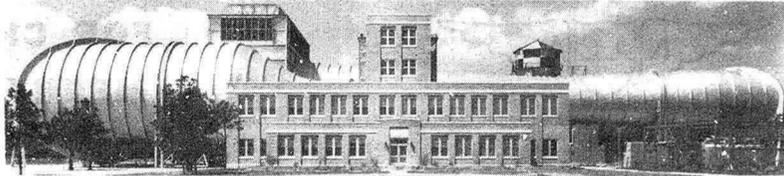


❖ Happy New Year ❖  
1944

# LMAL BULLETIN

Feb. 6413  
Apr. 23  
June 2  
Oct. 26



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 1, Vol. 3

Langley Field, Virginia, January 1-7, 1944

Page 1

### NEW IDEAS SOUGHT BY LABORATORY

All new ideas and suggestions relative to the operation of any phase of activity at the Laboratory will be welcomed at all times, it was announced this week by H. J. E. Reid, Engineer-in-Charge.

Mr. Reid stated that while this chiefly concerns suggestions as to research activity, it is by no means limited to that field.

Any member of the Laboratory staff who has any ideas that he wants to express along these lines, can assure their prompt consideration by submitting them, in memorandum form, in duplicate. One copy should be sent directly to the Engineer-in-Charge and the other should be sent to the person's immediate superior.

Section heads, division chiefs, and department heads will make their comments, and these will be forwarded with the memorandum to the Washington Office for consideration there.

In all cases, the person making the suggestion will be advised of the disposition of the matter or the steps being taken.

### *insignia is official*

The NACA emblem as it appears on page two of the Bulletin has been officially adopted as the insignia of the Committee, it was learned this week by a communication from John F. Victory, Secretary.

### Begin Construction Of First Of New Buildings This Month

Allocation of funds amounting to \$8,190,026 for new laboratories and equipment at LMAL has been approved by Congress and the bill signed by President Roosevelt.

All of the projects will be located in the West Area with the exception of a 16,000-horsepower drive, estimated to cost \$655,000, which will be installed at the 8-foot High Speed Tunnel.

The War Department has allotted approximately 101 additional acres of land which is located on each side of the present West Area plot. Plans are under way for a new entrance on Yorktown Road and for new drives. The areas will be connected to the flying field by a runway.

The majority of the build-

### NEW LEAVE WITHOUT PAY RULE IN EFFECT

Effective Jan. 1, 1944, leave without pay taken by LMAL employees will be charged in whole days only.

The time during which an employee is not actually in a leave without pay status, during the day charged to leave without pay, will be placed to his annual leave credit.

A more detailed explanation of the regulations and procedure in regard to leave without pay will be included in a manual of laboratory procedure now in preparation.

ings will be finished and in operation by Sept. 1 of this year, according to present plans. Actual breaking of ground will probably occur first at the site of the proposed Physical Research Laboratory on or about Jan. 18. Other projects will follow as

See page 3

### REGISTRATION FOR CLASSES

#### JAN. 3 AND 5

Registration for night classes under the War Training Program will be held at Hampton High School Jan. 3 and 5 from 7 to 8:30 p.m., in room 105. It is desirable that persons registering for the courses be employed in a field of endeavor closely related to the subject for which application is made.

School will be in session Mondays and Wednesdays from 7 to 9:30 p.m. Classes will meet for one and one-quarter hours each, thus affording registrants the opportunity of taking two courses. Some classes, however, will meet for two and one-half hour periods due to the nature of the material to be covered.

Should the registration for one and one-quarter hour courses indicate it to be impracticable to set up that type of schedule, the War Training Office may establish

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The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

- Editor . . . . . H. Lee Dickinson
- Managing Editor . . . . E. McKinley Hutton
- Associate Editor . . . . Ruth Angel
- Art Editor . . . . . Ben Vogel
- Reporters . . . . . LMAL Employees

*Work Hard For Victory!*

Now is the time to make New Year's resolutions. Many are made and almost as many are broken about this time each year. But in the interest of the war effort, there is one resolution which all of us could make and strive hard to keep throughout the year. That is: to carry through with enthusiasm and confidence every project which each individual undertakes during 1944.

The ability to overcome our problems, especially the more difficult ones, is the conquering spirit that has made this nation great. Thomas A. Edison is reported to have made 3,000 experiments to develop the first working model of the incandescent lamp--and only two of these experiments worked. What if he had stopped after the first 1,000 trials?

Let us all in this New Year of victory recognize that sustained thinking, working, and cooperation are the foundation of progress. Let it be impressed upon us that organizations whose staff members work the hardest and think the most invariably lead the parade. By working more--not by working less--we will make an even greater mark in the world of aeronautical research.

★ ★ ★

*A Friend*

This NACA Laboratory has suffered a genuine loss in the recent death of Dr. Harry Dresser Howe, who, through a long term of years, ministered to the needs of many men and women, both by day and by night, despite heat or cold, sunshine or storm.

Dr. Howe was the perennial friend of young people. He shared his personality, as well as his professional skill, with generosity. Wherever he went he carried hope and good cheer as well as the healing art and the surgical skill.

Many individuals, as well as whole families, associated with the Laboratory will be the poorer for the passing of this truly beloved and competent physician--surgeon.

Dr. Howe's contribution, both financial and professional, to the Dixie Hospital will long be shared by young and old alike at this Laboratory and will continue to be a real blessing to all citizens, regardless of race or creed. Many members of the Laboratory staff have already expressed their individual praise of Dr. Howe and now the LMAL Bulletin expresses the corporate thanks for the services of Hampton's first citizen.

## THANKS PERSONNEL FOR CHARWOMEN'S MERRY CHRISTMAS

On behalf of LMAL's charwomen, Mrs. Emma McSmith, their supervisor, today offered thanks to the personnel of the Laboratory for the "merry Christmas" which they brought to her group of workers.

The 27 charwomen assembled in the Engine Lab Christmas Eve to exchange gifts and to meet one another. Then came the surprise, envelopes containing \$3 for each, which were presented by Mrs. Lenore D. Hulcher, counselor-to-women. The money was contributed by LMAL personnel.

Toys which had been collected through the efforts of Leigh Lewis and Bill Poythress were also presented to the charwomen for the younger members of their families.

The group also received other gifts from friends.

## PROCEDURE MANUAL BEING PREPARED

Plans are now in progress for the preparation of a procedure manual for the general use of Laboratory employees.

It is proposed that this manual include a detailed step-by-step explanation of the procedures to be followed in the conduct of business between Laboratory organization units, and with the Washington Office, other NACA laboratories, and outside activities. In fact, all general procedures in effect at the Laboratory, except those within a section, will be included if possible.

Suggestions as to procedure material which should be included will be welcomed. If any employee has a suggestion to make in regard to this, it is requested that he send a note to Mrs. Indaline T. Atkins in the Files Section.

★ ★ ★

Idle rumors were also added to well-founded apprehensions.--LUCAN.

# CAN YOU SPOT HIM?

Read the accompanying story carefully before checking the answer on page six.

**VITAL STATISTICS:** On the spot for the week is a local lad who first saw the light of day on April 10, 1897, in that section of York county which is known as "Bull Island." He is married, and the father of the largest family yet listed in this feature, there being six girls and one boy in his family.

**EARLY LIFE:** Like all Bull Islanders, his youth was evenly divided between two pastimes, fishing for a living and baseball for fun. He spent a good bit of time on the water with his father and their boat brought in goodly supplies of fish, clams, and oysters. It was then that he started on the way to the title of "the fastest oyster shucker in these parts."

**COMES WAR:** Like many of the present day younger generation, he did not want to be drafted into the armed forces, but wanted a chance to select his own branch of service. He had followed the water a good bit and was an excellent man with motors, so he enlisted in the Navy as a Machinist's Mate Second Class. He spent 18 months in the service, mostly on coastwise convoy duty.

**CIVILIAN SERVICE:** Following the war, he returned home and came to work for the Quartermaster Corps at Langley Field in 1921. He worked there for five years, and might never have come to the Laboratory if it had not been for baseball conscious Tom Carroll, the Chief Test Pilot, who was managing the Laboratory's baseball team. In 1926, realizing that the team needed a southpaw to bolster its mound staff, Tom went to Mr. Sharp to see if the Laboratory couldn't use this fellow somewhere. A transfer was arranged, and he soon reported for work to Mr. Sharp. When questioned as to his ability, he had stated that he could run anything on wheels, so he was turned over to Maintenance as a truck driver. Walter Reiser's first comment was, "If he's another baseball player, I won't take him." He took him however, and found in him a good man. His official duties were to haul all freight from the railroad station, haul all trash to the dump, and to maintain all grounds. His career with the ball team was

a brilliant one, his southpaw slants paving the way to many victories.

**PERTINENT PERSONALS:** His greatest ambition is to get work done without hearing any howls, and is proud of the fact that he doesn't hear many now....He is tall and angular and his six foot one inch frame is generally topped with a gray cap:...He doesn't believe in taking much leave, being willing to let the folks who are away from home have the time to see their folks. This idea has proved its worth to him, for in 1938, following an automobile accident, he was in bed for 13 weeks and didn't lose a day's pay...He has been the right hand man at all parties at Oak Point for the past several years.

## RECRUITING PROGRAM BEING COORDINATED

T. Melvin Butler, Personnel Officer, has spent the past week away from the Laboratory on business at AERL and in Washington.

Mr. Butler has been working with officials of the laboratory in Cleveland and the Washington Office in an effort to coordinate the recruiting drives for skilled and technical personnel being conducted by both laboratories.

\* \* \*

**LOST:** Brown pigskin gloves near Administration Building. Barbara A. Moss, 16-foot Tunnel.

# CLEVELAND CLIPPINGS

**FORM COUNCIL:** Culminating weeks of discussion and planning, an AERL Activities Council has been organized, including heads of the various activities groups on the Reservation. Its purpose: to promote cooperation between the groups and to extend help and encouragement where it is needed.

**JOB INSTRUCTION:** In a program outlined to tie in with the Training Within Industry Program of the War Manpower Commission, Job Instruction Training Courses are being offered at AERL.

**LOBBY LINES:** Dale M. Burrows, of the Full Scale Research Division at LMAL, visited AERL recently on official business....Joseph Braig and wife visited the AERL Braigs, Eugene C. and James R. Braig a few days ago....John W. Ebert, Jr., stopped by AERL en route from the West Coast...

**ELECTION:** The NicNACA Social Committee is holding an election for a new group to serve during 1944.

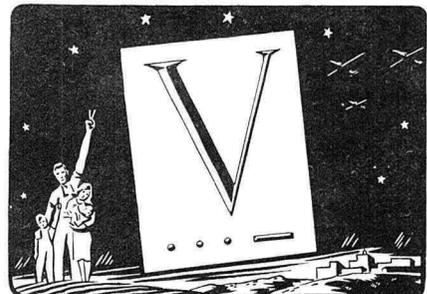
**RIFLE RANGE:** Permission has been granted for the construction of a rifle range at AERL. Work will probably begin within a few days.

\* \* \*

### SEND BOND CHANGE NOTICES DIRECT TO FISCAL OFFICE

A change in routing of all future memoranda regarding bond allotment changes has been made, effective immediately.

Such memoranda should now be routed directly to the Fiscal Office.



# LIFE AT THE LABORATORY DURING '43

With the beginning of a new year, let's indulge in a bit of retrospect and recall some of the headlines which made Laboratory history during 1943.

January--Victory tax and combined pay-rolls begin....Accumulated leave extended to 90 days....Timesheets to be semi-monthly.... New pay rates established....NACA leads government agencies in bond sales.

February--Apprentice School graduates first class of 14....Cavalier Court housing project nears completion....E. T. Allen, former LMAL test pilot, dies in bomber crash.... Charles G. Haas, Property Clerk, dies.

March--Attendance records begin and Laboratory staff members get accustomed to signing in and out....Accumulation of 90-day leave made retroactive to Sept. 8, 1939....Butler Brothers get appointments, sherwood as Procurement Officer and Melvin as Personnel Officer....Claude F. Ingels becomes Property Clerk....Green Cow starts off season with gay dance....Red Cross drive nets over \$2,000.... NACA observes its 28th anniversary....Leigh Lewis elected chairman of Apprentice social club.

April--Spring term of Apprentice related-study classes begins....LMAL receives Minute Man Flag by virtue of topping other NACA Labs in bond purchases....Sections form softball league....Percy Crain appointed acting head of Electrical Department.

May--Aircraft Engine Research Laboratory at Cleveland dedicated with H. J. E. Reid representing LMAL at ceremonies....NACA insignia in silver and gold adopted for use as lapel pin....NACA Tennis Club inaugurates season.

June--Plan organization of LMAL chorus and orchestra....Avions sponsor dance....LMAL personnel total exceeds 2,000 as compared with 450 employees in 1939....Maintenance sends "smokes" overseas to service men.... Supercharger Section bids farewell to LMAL and says hello to Cleveland....C. W. Lockwood Company gets \$64,375 contract for altering Engine Lab....Model Club names itself "Brain

Busters"....Dr. Joseph Sweetman Ames, retired NACA Chairman, dies.

July--J. J. Lankes, well known woodcut artist, begins employment in Reproduction Section....LMAL inaugurates new work hours.... Bulletin begins weekly publication....NACA commended for research on A-26....Jesse H. Jones, Secretary of Commerce, congratulates Hydrodynamics Division for research on Hughes-Kaiser Cargo plane....Withhold \$25,461.60 from pay checks for first half of month as new tax takes effect....Ernest C. Johnson's new office in Technical Service Building completed....Dale Burrows twirls first no-hitter in softball loop....Charwomen report 100 per cent participation in war bond payroll plan.

August--Grover Loening, consultant on aircraft of War Production Board, named chairman of NACA Subcommittee on Helicopters.... Cafeteria kitchen undergoes "face-lifting"... Lab informed of death in Atlanta in July of Montgomery Knight, former head of AWT.

September--USO formally opens....Mrs. Lenore D. Hulcher appointed as women's counselor....Structures Lab wins softball title.... Employees organize touch football league.... Third War Loan drive begins..."Brain Busters" sponsor successful Hydroplane Championships, with Frank Parmenter giving the most spectacular performance.

October--Igor I. Sikorsky visits LMAL.... Bond drive goes "over the top"....Diskin, Lange, Ramsey, Draley, Brewer, Hart, Bartone, Sweberg, Nelson, Marchal, Neihouse named on Bulletin All-Star softball team....Lab bowling loops disbands as fire destroys Wythe alleys.

November--Carl J. Wenzinger, chief of 19-foot Tunnel Section, called to active duty with Navy....Frank Knox, Secretary of Navy, visits Lab and cites importance of its research program....Girls prepare to move into Ann Wythe Hall....Henry L. Stimson, Secretary of War, adds his commendation to importance of NACA work....Bulletin observes first anniversary.

December--Engineering Section wins football championship....

**TWIRLS FIRST NO-HITTER; IN TIE FOR LOOP LEAD**

**GREEN COW HAS FAVORABLE RECORD**

**APPRENTICE WINS**

**LANKES WORKS IN REPRODUCTION**

**COMMEND NACA FOR RESEARCH ON A-26**

**DEDICATE AERIAL CERE MONY CLEVELAND**

The Noble Order of the Green Cow, LMAL social club, through its efforts, has won a commendation for its action and a break combined to bring LMAL pay checks.

## STOCK SUGGESTIONS

A timely suggestion has come in from the Stock Section in an effort to cut down undue confusion in recording charges for material drawn from the stockrooms.

A number of employees, who are employed by one section but are doing some work in another, are charging stock to the latter section. This is not the correct procedure. Stock should be charged to the section where the person is permanently assigned. For example, if a man is assigned to the Maintenance Section and is working in the Generating Plant, he should not draw stock and charge it to the Generating Plant, but charge it to Maintenance, which is the section to which he is assigned.

\* \* \*

It has been noted recently that sections are buying articles of supplies, which are not in the stockrooms, and in turn are furnishing these supplies to other sections as called for. Since it is the function of the Stock Section to keep in stock all supplies that are more or less universally used, it is suggested that when sections do run across such items that they send a memorandum to the Procurement Officer requesting that such items be added to the regular stock list. They are then automatically stocked for general issue and being so stocked can be ordered in a routine matter with a minimum number of purchase requests and overhead expense.

In submitting such memoranda to the Procurement Officer, it is desirable that sections give specifications of stock or a former order number to guide the Stock Section in making up their specifications.

A new telephone has been listed for the Aircraft Loads Division, Seaplane Ramps, which are located in the small building in rear of 8' H.S.T. The number is 343.

## LIFE AT THE LABORATORY

**BYE-BYE, BOYS:** Al Becker and Earl Greubel have left the Engineering Section for other worlds. Earl has gone to his home in Wisconsin and from there will go to Indiana Tech. Al is entering the Army Air Corps. Tommy Holmes, Tank, has returned to his home in Florida.

**ILL WINDS:** Lois Evans, head of the FST computers, is ill at her home in Norfolk. Norwood Evans, Employment, continues under the weather. Ruth Perryman, Personnel, is glad to be back after an eleven day illness.

**MORE PARTIES:** The lab assistants at Structures made merry last Thursday with their Christmas party and presented gifts to Joe Kotanchik and Carl Rossman. Belated wedding gifts were also given, a mahogany end table to the Evan Schuettes and several pieces of crystal to the Harold Crates. A big time was had by all at the Tank last Friday when the section heads received surprise packages from someone in the Claus family. "Uncle Oley" got a pair of worry birds to share his burdens and Jimmy Benson received a white turban to go with his crystal ball.

**PASSING THOUGHTS:** I. Purchase wants to know how to put in a purchase request for a picture of their new pin-up girl, Chili Williams. The staff in the Stability Tunnel want a red lantern to hang in an obvious place on the staging being used in repairing the hallway ceiling. Reason, for the safety of the section head.

**LOVE IN BLOOM:** Dan Cupid ran St. Nick a close race for top honors during the Christmas season. Among the engaged are Kathryn Pyle, Maintenance Office, to Ozzie Lappi, Loads; Anna Zepht and Angie Cartabiano, both of Loads; and Marijean Saunders, Receptionist, to S. A. Smith of Newport News and Deland, Fla. Martha Willis, Apprentice Administration, said, "Yes", to Lieut. John R. Tamm on Christmas night, and Shirley Walker returned to work as Shirley W. Routten, following a Dec. 20 marriage to Gene Routten of Fox Hill. Along the slightly less serious line, Bill Craig, Administration, and Millie De Vine, Selective Service, have returned after spending the holidays with Bill's folks in Pittsburgh and Roy Lange, FST, has come back from Audrey Campbell's home in Charlottesville. Among the married folks, Mary Jean Thompson, Personnel, faired best with the surprise return of her husband, Bill, from the ocean blue...Carroll Christensen, Engineering Section, returned last Wednesday from a big Christmas in North Carolina, flashing a diamond ring from Sergt. Donald Sommerville, U. S. M. C.

**CONDOLENCES:** To Kay Kelsey Wetherington, AWT, on the death of her mother.

BUY WAR SAVINGS BONDS AND STAMPS



**LOST:** A 1943 Hampton High School class ring with the initials E S on the inside. It was lost in the Ladies' Room in the Engine Lab Building. Finder please return to Evelyn Smith, East Area Blueprint room. Reward.

**FOR SALE:** A pair of genuine brown baby alligator, high heel pumps, size 5 1/2 B. They have been worn only once. No auction ticket is wanted. Contact Mary Jones in L Purchase.

## REGISTRATION

(From page 1)  
courses on a two or two and one-half hour basis (two days per week), and will enroll persons in the course indicated as his first choice.

Classes start Jan. 10 and will continue for ten weeks. Upon satisfactory completion of each course the nationally recognized certificate of the U. S. Office of Education will be awarded the student. There is no charge for the courses, but the student will be expected to furnish certain sup-

plies such as textbooks and writing materials.

Courses to be offered include: (Courses which are not followed by figures are proposed to last one and one-quarter hours) Blueprint Reading, Physics, Mechanical Drawing (2 1/2 hours), Fundamentals of Radio (2 1/2), Sheetmetal Pattern Drafting (2 1/4), shop Mathematics, Simple Aerodynamics, Woodworking Theory, Theory of Electricity, Use of Handbooks (2 1/2), Metallurgy, Machine Shop Theory, Machine Shop (2 1/2), and Machine Design.

## Safety Aces

# A

**WATCH LADDERS, THEY MAY BE DANGEROUS. SEE THAT THE RUNGS, OR CLEATS AND SIDES ARE STRONG AND IN GOOD CONDITION.**

**NEVER PLACE LADDERS AT AN UNSAFE ANGLE; ON SLIPPERY FLOOR, ON BOXES, LOOSE BOARDS, OR SO AS TO REST ON ONE LEG.**

NO. 4

# A

## SPOTTED....

*The man in question is James Blanchard "Lefty" Forrest, Superintendent of Labor for the Maintenance Section.*

\* \* \*

## Begin

## Construction

(From Page 1)

soon as contracts are awarded.

Laboratory officials pointed out that the proposed construction is not a part of a post-war program but includes buildings and equipment necessary to conduct research programs for the winning of the war in the air. It is for this reason that the building program is being pushed to completion within nine months, if possible.

In order to expedite the project, designing was handled by the Langley Laboratory's Construction Office and AERL construction personnel, with the aid of outside architectural engineering firms.

The proposed buildings and equipment and the estimated cost follow:

Induction Aerodynamics Laboratory--\$770,000.

Physical Research Laboratory--\$1,161,500.

New 16,000-horsepower drive for 8-foot Tunnel--\$655,000.

Two 7 by 10-foot Wind Tunnels and laboratories--\$1,564,000.

Electronic Aircraft Instrument Laboratory---\$784,800.

Aircraft Loads Building and Aircraft Loads Calibration Laboratory--\$1,199,000.

West Model Shop extension--\$39,000.

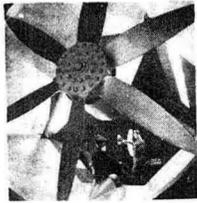
Sheetmetal Shop--\$423,500.

Electrical Building----\$126,000.

Roads and West Area Heating Plant--\$1,467,226.

*WIRELESS: Three decades ago J. A. D. McCurdy sent and received the first wireless in the air.*

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 2, Vol. 3

Langley Field, Virginia, January 8-14, 1944

Page 1

### BEGIN BOND DRIVE JAN. 18

The Laboratory's quota of cash war bond purchases in the Fourth War Loan Drive which gets under way Jan. 18 and runs until Feb. 15 has been considerably lowered because of the past excellent record made in the payroll allotment plan.

The quota set for LMAL is 35 percent of the gross November payroll. November payrolls here amounted to \$449,551, making our quota \$157,343. However, we will be allowed to deduct as credits against this quota the payroll allotments for bond purchases during Jan-

(See page 2)

### BOYS IN ARMED SERVICES TO GET BULLETIN

The Bulletin is planning to enlarge a service which has been in existence for the past several weeks, that of sending weekly issues of the Laboratory's newspaper to former employees who are in the armed services.

Bulletins have been going out each week to 11 former employees, most of them to men who served in the Reproduction Section. Employees of this section have been contributing money at intervals to defray the cost of stamps.

Now it is desired to send the Bulletin to all former employees who are members of an armed service. In order for the project to be carried on, the Bulletin staff will appreciate contributions of money from employees. This money will be used to buy stamps.

In addition, we would like to have the service addresses of all ex-employees. If you know of any, please forward them to the Bulletin Office. Please make certain that the addresses are correct. Notify the Bulletin Office of any change in address.

We would also like to print from time to time excerpts from interesting letters received from the boys in service.

Those who have been receiving Bulletins include Harry R. Clason, Eugene Snyder, Douglas G. Hill, William H. Guy, Jr., Stanley P. Shapiro, Stanley Colson, Howard B. Miller, and David Crump, all of the Air Corps; and Vincent J. Colosimo, Army Ferrying Service; Frank L. Allen, Marines; and John J. Kaufmann, Coast Artillery.

### 32 APPRENTICES TO GRADUATE AT CEREMONIES HERE JAN. 20

Having successfully completed their prescribed term of apprenticeship, 32 LMAL apprentices will receive certificates for the completion of their apprenticeship training at special ceremonies to be conducted Jan. 20 in the Post Theatre. This will be the second annual graduation exercises which have been held by the Apprentice Administration.

A group of high ranking NACA and Federal officials will participate in the exercises. The names of these officials will be announced as soon as their attendance is

confirmed.

#### *Induct New Employees*

In addition to the graduation of 32 apprentices, a new group of employees will be formally inducted into the training program as a part of these ceremonies.

Although the program has not been entirely completed it has been learned that Harry Shoaf of the Engineering Section has been selected to

(See page 6)

### WILL DISCUSS SHIP RAISING

The story of the raising of the huge hulk of the Normandie, which burned and sank alongside a pier in New York, will be told by A. C. W. Siecke, consulting engineer of the Merritt-Chapman, and Scott Corporation, at a meeting of the Engineers Club of the Virginia Peninsula at 8 p.m. Jan. 13 at the Apprentice Athletic Building in Newport News.

Mr. Siecke was in charge of the engineering work involved in raising the former French luxury liner which had been taken over by the U.S. Government.

Admission to the lecture will be by ticket only. A limited supply is available to Laboratory employees and may be obtained from I. H. Abbott, AFR, telephone 360; Eugene E. Lundquist, Structures Laboratory, 284; and H. A. Wilson, Full-Scale Tunnel, 372.



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★ ★ ★

*We're Pulling For You, Tommy!*

The indomitable courage of Tommy King, combined with the best of medical attention, is helping the young Laboratory employee recover from serious internal injuries. Tommy was hurt while at his duties at the East Model Shop on Dec. 22. He was rushed to the Langley Field Hospital for emergency treatment and later transferred to the Marine Hospital in Norfolk, where he underwent an operation on an injured kidney.

It was discovered during the operation that peritonitis had set in and the new drug discovery, penicillin, and a sulfa drug were employed to clear up the infection. Reports from the hospital Thursday indicated that Tommy's condition is improving, though still serious. Tommy has a private room and 24-hour a day special nursing service. One of the nurses is an aunt of Tommy's from Washington. Three physicians at the Marine Hospital are working on the case and one is devoting his time almost exclusively to the patient. Laboratory nurses have also given assistance.

There was a good response for volunteers at the Laboratory to give blood transfusions to Tommy. Five were taken to Norfolk on Jan. 1 in the first call, including James Betts and Norman S. Land, Tank; Manuel Stein, Structures; Irvin Naiman, Physical Research, and Arthur Kantrowitz, TDT. Those taken to the hospital on Jan. 3 were Kitty White, Herb Andrews, and Joe Boyle, Dynamic Model Shop; Howard Ferrell, Instrument Service, and Walter Lane, Prop Shop.

Tommy's blood was of the rarest type--Type B or 3 as it is sometimes referred to in the medical world. It was noted in placing calls for volunteers that many employees were not aware of their blood type. This prompted a proposal that a future program be set up whereby Laboratory employees may have their blood typed and the information filed.

Tommy's parents, who live in Washington, were notified immediately after the accident. Laboratory representatives met Mrs. King at the Newport News bus station and escorted her to the hospital. Other members of the family arrived later. Mrs. Lenore D. Hulcher, Counselor-to-Women, has been in almost constant touch with Mrs. King since the accident. Daily reports on Tommy's condition have been received by the Laboratory.

It is gratifying to know that Tommy is getting the best of attention and the LMAL Bulletin joins in wishing him a complete and speedy recovery.

# War Loan Drive

(From page 1)

January and February. Figuring on the basis of the payroll deductions made in recent months, our credit will amount to approximately \$120,000, putting our goal in cash purchases at less than \$35,000.

Present plans are to set up a cash sales office somewhere at the Laboratory to function as before, offering 24-hour service on delivery of bonds purchased during the campaign. Cash purchases of bonds made by employees between now and the beginning of the drive may be credited to LMAL's record if the purchaser will obtain a credit slip from the Bond Office.

The Fourth War Loan will be an effort to raise 14 billion dollars. The Interdepartment War Savings Bond Committee has appointed regional coordinators to serve during the drive. The coordinator for this region is Alexander H. Bell of Norfolk.

★ ★ ★

### *Exceeds Half Million Mark*

Laboratory employees passed the expected half million dollars mark in War Bond buying this past year with plenty to spare, putting aside nearly \$700,000 for this purpose.

During the first six months of the year, \$247,255.90 was allotted by the regular payroll savings plan. In July and August, the allotments rose slightly, and in September, effects of the Third War Loan Drive began to be felt and they rose still higher. Each month found an even higher amount being put aside, and December was tops for the year with \$62,192.95. This brought the year's total payroll allotments to \$577,854.73.

The monthly allotments for the last six months of the year were as follows: July, \$48,660.75; August, \$49,152.84; September, \$51,532.18; October, \$57,489.22; November, \$61,570.89; and December, \$62,192.95.



# SCHOOL DAYS ARE HERE AGAIN

School days will begin again this week for a large number of laboratory employees.

A course in elementary aerodynamics, similar to one recently completed, will be inaugurated at 7 p.m. Tuesday at Hampton High School if a sufficient number of applications is received.

The class will be taught by Cal Muse of the 19-foot Tunnel and will meet from 7 to 9:30 p.m. each Tuesday for ten weeks. At least 15 persons must register in order for the course to be given. Laboratory employees who are interested may register by telephoning the Apprentice Administration Office.

A class of about 30 was

recently completed. It is planned at the conclusion of the class beginning Tuesday to offer a more advanced course in this subject and to draw as enrollees those who completed the elementary courses; and also those who are ineligible for a still more advanced course which has been given periodically under the title, "Fundamentals of Aeronautical Engineering".

The Apprentice Administration's next term will get under way at 7 p.m. Monday at Hampton High School. Notification regarding their classroom assignments will be given students at the school on opening night.

A class in mechanical

drawing for women in the Research Department, to be held from 7 to 9:30 p.m. on the next ten Tuesdays, will begin this Tuesday at Hampton High School. This is a course which is being continued from the previous term and will include advanced and beginning mechanical drawing all in the same class. The large number of computers and mathematicians who will complete a physics course in two weeks are particularly urged to sign up for the drawing class. Applications are being taken by the Apprentice Administration Office.

A class in Machine Shop begins in the West Machine Shop of the Laboratory at 8:30 Sunday, Jan. 16, and will be held every other Sunday for at least six class periods. This class is open to such employees as wind tunnel mechanics, junior engineers, men in Instrument Research, and others who find a knowledge of machine shop work necessary. Application for this course also may be made at the Apprentice Administration.

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LOST: A pair of rimless glasses on a gold frame. Finder please return to Dorothy Forrest, Duplicating Office.

## Frank Allen Writes From Tarawa Atoll

Frank L. Allen formerly of ICL who later became a construction inspector and was transferred to Cleveland, wrote an interesting letter recently to Robert E. Mixson, Head of Reproduction.

The letter was written at Tarawa Atoll in the Gilbert Islands and Frank said he had been there "ever since this job started..." He described the Tarawa campaign as "quite an undertaking and was successful through the ability of our Navy and Marines to take it and dish it out."

"I needn't tell you all at the Laboratory about our Navy planes. You know more about their capabilities, no doubt, than most any other group of civilians; but you certainly should see them work. They are plenty good, and the Jap can't compare," Frank wrote.

Accompanying Frank's letter was a Japanese ten yen note. He suggested that Mr. Mixson keep it, since "the bird that used to own it doesn't need it any more."



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## LIFE AT THE LABORATORY

**ILL WINDS:** Sarah Whitley, AWT, is in Buxton Hospital with the flu...Dottie Teague, Electrical Office, has returned from a short stay in Dixie Hospital...Felen Walker, Warehouse, is spending her evenings at the Fort Monroe Hospital while her fiance recovers from an accident.

**CHIT CHAT:** Everyone is wondering how Roy Lange, FST, manages to change shirts without removing that maroon sweater that "Ace" Campbell gave him for Christmas. He admits it's rather difficult...The girls in Structures are wondering what their engineers will do next. Their present trend in sartorial splendor is to plaid shirts, gaudy figured ties, argyle socks, and loud sweaters all at once--plus tweed suits...The 16' Tunnel started off the New Year with a bang with a party at Yankah Manor...Stability Research had another of its famous parties at the Chamberlin Country Club last night...Look out, guys! The female illustrators of Reproduction are planning to take full advantage of Leap Year. They held a strategy meeting at their hangout last week and practiced several different techniques.

**HAPPY NEW YEAR:** Last Saturday was really the day for sleepheads following the self-styled "Fourth Department" dance at the Chamberlin Country Club on New Year's Eve. Congratulations to Melvin Butler and his gallant crew for sponsoring the affair.

**GOOD RECORD:** Ray Wright, 8' HST, missed his first day for illness in nine years last week.

**ENGAGEMENTS:** Mary Lou Duval, Stability Tunnel, and Dick Sawyer, FRM, are among the latest to fall, and Dot Genzer, Personnel, and Bob Pendley, 8' HST, will be married Jan. 29 at the First Christian Church in Newport News.

**COMINGS AND GOINGS:** Grace Scott, Personnel, has left the Lab to undergo an operation...Dave Goldenbaum, who has spent the past month in Florida, has returned to the Tank... Jimmy Ferguson, Warehouse, has moved from Norfolk to Essex Park...Esther Wendling, FRM, and LaVerne Priddy, AWT, have returned from a sojourn in Miami. "Windj" suggests that the Lab be moved to Miami so the computers could sit on the beach and compute. This would do away with the need for all vacations...Texie Belle Felts, FST, has come back after a ten day visit to her home in Boykin...Bette Peterson, Structures, has returned from a trip to Chicago...June Polhemus, Warehouse, is back from New York...The Stability Tunnel welcomes its latest recruit, Emily Stephens, a computer...Reproduction got all of its illustrators back in a lump, Marge Patterson from Michigan, Dot Severance from Gastonia, N. C., and Mary Thorne Tyson, who had taken Carroll Christensen, Engineering, to her home in the "Old North State"...Official visitors during the past week were R. J. Diggs, M. E. Lipes, James R. Braig, and Eugene C. Braig of AERL...Kenneth Ward, ex-Tank and now with Consolidated-Vultee in San Diego, also visited here on company business... Cecil Burtner, Paint Shop, is back on the job after spending the past week with friends in Durham...Marvin Schuldenfrei, AWT, has returned from a big time in the big city.

**JUST MARRIED:** Wedding bells rang in Wilkes-Barre, Pa., on Dec. 26 for Dorothy Holloway, AWT, and Sergt. John Bria of Langley Field.

**CONDOLENCES:** Our deepest sympathy goes to John Evans of the Maintenance Section following the sudden death of his wife on Jan. 4.

**PARTYING AGAIN:** "Hoi's Hummers", Photo Lab social club, entertained at the Sigma Club on Jan. 4 for Donald Foster, who leaves soon to become one of Uncle Sam's boys.

## SAFETY FORUM SERIES BEGUN

The first of a series of educational forums was conducted by the LMAL Safety Coordinators in the auditorium of the Administration Building Jan. 6.

Starr Truscott, Chairman of the Executive Safety Committee, outlined the responsibilities and duties of the Safety Coordinator and his contribution to the cause of safety at the Laboratory. "Flame Facts", a color film showing what to do when fire strikes, was viewed. Charles J. Satterfield displayed examples of all types of fire-fighting equipment here and explained their use.

The forums will deal with subjects of fire prevention, industrial safety, first aid, health and hygiene, and miscellaneous safety operations.

\* \* \*

### PHONE NUMBERS AVAILABLE FOR BUSINESS PURPOSES

Laboratory employees who wish to communicate by telephone with another employee after work hours, on official business, may obtain the person's number by calling the NACA switchboard operator, Hampton 6341.

This information is not available, however, except for use in the conduct of official business. This rule is necessary as a protection to the employees.

\* \* \*

### PROPERTY ON PERSONAL CHARGE TO BE TURNED IN PERSONALLY

All property on personal charge should be turned in personally by employees to one of the stockrooms and a receipt obtained. A duplicate copy of the receipt will be forwarded to the Property Office in order that this charge may be removed from the file.

Any employee not receiving a receipt when property is returned should request that a receipt be furnished, otherwise he will still be held responsible for the property.

**CALENDAR PADS EXPECTED TO ARRIVE THIS MONTH**

The Stockroom reports that there are no calendar pads on hand at the Laboratory and they are not expected to arrive for distribution before the middle of this month.

Sections are requested to send a notice of their needs to Chisman Booker, Stockroom No. 3, in order that they may be distributed immediately after arrival.

**ARABIC PROVERB:** When you have spoken the word, it reigns over you. When it is unspoken you reign over it.

# 32 APPRENTICES GRADUATE

(From page 1)

speaking for the graduates and Ira Ramsey also of the Engineering Section has been delegated to speak on behalf of the student body. The affair will be held at the Post Theatre from 1 until 3 p.m. and it is believed likely that the entire mechanical staff of the Laboratory will again be invited to attend.

*Graduates Are Announced*

The graduates and the trades for which they will receive certificates are as follows:

Paul J. Boeger, Engineering Design Draftsman.

Joseph V. Boyle, Aircraft Model-maker.

Frederick A. Breisch, Machinist.

William J. Carroll, Engineering Design Draftsman.

Charles M. Chambers, Toolmaker.

Gordon Cheesman, Aircraft Model-maker.

Earl L. Council, Engineering Design Draftsman.

Bert C. Deis, Machinist.

Frank Deis, Aircraft Modelmaker.

Joe W. Dodson, Aircraft Model-maker.

John E. Doyle, Engineering Design Draftsman.

Francis R. Dreisbach, Instrument Maker.

Theodore Elder, Engineering Design Draftsman.

Howard Ferrall, Aviation Metal-smith.

Anthony P. Januzzi, Machinist.

Charles B. King, Aviation Metalsmith.

Harold Maxwell, Engineering Design Draftsman.

Charles C. Nagle, Aircraft Modelmaker.

Joseph Pavlovsky, Engineering Design Draftsman.

James T. Poe, Machinist.

Leonard Richardson, Engineering Design Draftsman.

Joseph Shematek, Aviation Metal-smith.

Harry C. Shoaf, Engineering Design Draftsman.

Otto F. Trout, Machinist.

Roland Tully, Toolmaker.

David Wasserman, Aviation Metalsmith.

Fred Chalfont, Aircraft Model-maker.

John A. Demonaco, Aircraft Modelmaker.

Richard A. Everett, Machinist.

Walter H. Lane, Aircraft Model-maker.

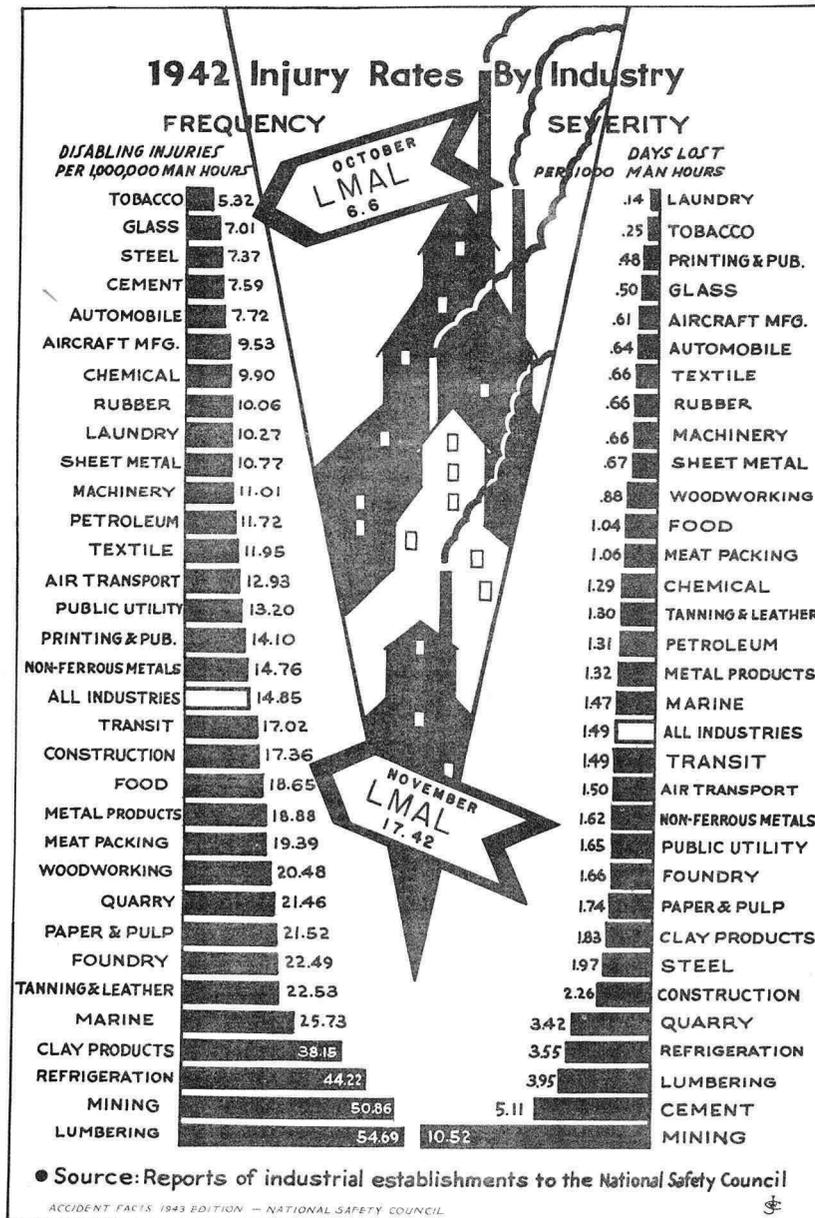
Theodore W. Schindler, Aircraft Modelmaker.

Andrew Veryzer, Machinist.

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## SPOTTED....

The lady in question on page three is Mrs. Indaline Taylor Atkins, "Indie" to everybody here.



# LMAL BULLETIN

## PLAN WAR LOAN CAMPAIGN

The Fourth War Loan Campaign will be launched at LMAL within the next few days. Mr. Victory in a recent letter to the Laboratory says "Our Nation's position has advanced to a crucial stage since the Third War Loan. As we approach full mobilization for war, more than half of our national income is being devoted to war purposes. At the same time the American people have \$18,000,000,000 more in bank deposits and currency than they had when Pearl Harbor was struck.

"Your Government's need is just as great as in the Third War Loan - greater, because it is now approaching full mobilization for war. The reasons any individual should buy War Bonds are just as sound as before. The fact that January and February pay roll deductions are to be counted in attaining the quota makes your cash quota relatively low and you have two months in which to top it."

Plans for the Fourth War Loan Campaign are rapidly maturing under the leadership of Joe Kotanchik who directed the War Loan Campaign in the West Area last year. Details of the plans as they affect each section and individual will be issued as rapidly as possible.

These plans are being prepared on the basis of conducting a successful War Loan Campaign with minimum interference to the efficient conduct of the regular work of the Laboratory.

### MECHANICAL RECRUITING PROGRAM GETS UNDER WAY

A recruiting campaign started on Monday, Jan. 17, 1944 in an effort to supply LMAL with more mechanical personnel. A total of 60 recruiting agents, twelve of whom are LMAL employees, have gone into the field as representatives of the Civil Service Commission and will be located at eleven strategic points in the Fourth U. S. Civil Service Region.

The Laboratory representatives and their stations are as follows: James Danko, Asheville, N. C.; Stuart Perviance, North Wilkesboro, N. C.; Marvin Forrest, Winston-Salem, N. C.; Paul Taylor, Greensboro, N. C.; Thomas McGrath, Salisbury, N. C.; James Betts, Durham, N. C.; Harold Turner, Sr., Raleigh, N. C.; Charles Wolf, Danville; Young Houston, Roanoke, Phillip Allen, Lynchburg; and Paul Obst and E. J. Shave, Charleston, W. Va.

For the past week, these twelve and Raymond Hulcher and Edward A. Howe, who were selected as alternates, have attending a class in Civil Service recruiting procedure which was conducted at the Norfolk Navy Yard.

The regular LMAL Bulletin was not published on Jan. 15, 1944 because of the rush of preparing printed matter for use by the recruiters.

## APPRENTICE GRADUATION

High-ranking Federal and NACA officials will participate in the graduation exercises of the NACA's Apprentice School Thursday from 1 to 3 p.m. at the Langley Field base theatre. Thirty-two students will receive certificates in the second class to graduate since the establishment of the Laboratory's Apprentice school. Fourteen were graduated in the first class.

The principal speaker will be Lawrence A. Appley, executive director of the War Manpower commission, who will be introduced by John F. Victory, secretary of the NACA. William F. Patterson, chief of the WMC's apprentice training service, will make a brief address.

Certificates will be presented the graduates by Charles A. Hulcher, Apprentice Administrator. D. E. Henry of the WMC apprentice training service, will award special certificates from the Federal Committee on Apprenticeship.

A group of newly selected apprentices will be officially inducted by James W. Kelly, deputy national director of the vocational training for war production workers, who will be introduced by Linscott Ballentine, State director of trade and industrial education.

H. J. E. Reid, Engineer-in-Charge, will preside at the ceremonies, which will be attended by the entire mechanical staff, division chiefs and section heads, and friends of the graduates. Elton W. Miller, chief of the Administrative Department, will offer the invocation. Harry Shoaf of the Laboratory's Engineering Section will speak for the graduating class and Ira W. Ramsey, apprentice engineering draftsman, for the student body.

In describing the Apprentice School and its work, Hulcher pointed out that the 32 graduates, representing "an outstanding group of the Laboratory's mechanical workers, are engaged in all types of the most difficult work normally expected of journeymen in their various trades." He said that "they are not only carrying a heavy portion of the Laboratory's mechanical work load but in many cases are supervising and instructing lesser skilled employees.

The graduates and their trades are as follows:

Engineering design draftsmen: Paul J. Boeger, William J. Carroll, Earl L. Councill Jr., John E. Doyle, Theodore H. Elder, Harold I. Maxwell, Joseph F. Pavlovsky, Leonard C. Richardson, Harry C. Shoaf.

Aircraft modelmakers: Joseph V. Boyle Jr., Fred Chalfont, Gordon H. Cheesman, John A. DeMonaco, Frank R. Deis, Joe W. Dodson, Walter H. Lane Jr., Charles C. Nagle, Theodore W. Schindler.

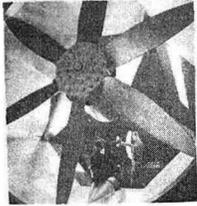
Machinists: Frederick A. Breisch, Bert C. Deis, Richard A. Everett, Anthony P. Ianuzzi, James T. Poe, Otto F. Trout Jr., Andrew Veryzer.

Toolmakers: Charles M. Chambers, Rolland Tully.

Instrument makers: Francis R. Dreisbach.

Aviation metalsmith: Howard Ferrall, Charles B. King, Joseph Shematek, David Wasserman.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 4, Vol. 3

Langley Field, Virginia, January 22-28, 1944

Page 1

### MCAVOY WINS CHANUTE AWARD

The NACA was in the limelight Jan. 21 at the meeting in New York of the Institute of Aeronautical Sciences.

William H. (Bill) McAvoy, former chief test pilot at the Langley Laboratory and present chief test pilot at the Ames Aeronautical Laboratory at Moffett Field, Calif., became the third NACA employee or former employee to receive the Octave Chanute award "for long continuous service in the flight testing of experimental aircraft".

Two years ago the award went to Melvin N. Gough, LMAL's Flight Research Division chief. First person to receive the honor was Edmund T. Allen, this Laboratory's first test pilot, who died last mid-February in a Boeing Flying Fortress which crashed on a test flight in California. Other winners were Howard Hughes and the most recent before McAvoy, W. A. MacClair.

McAvoy went to Ames two years ago after 18 years of service at Langley Field, during which he logged several thousand hours of flying time.

Among those from the Laboratory who had planned to attend the meeting were H. J. E. Reid, John W. Crowley, Gough, Clint Dearborn, John V. Becker, Joseph Shortal, and James M. Benson.

**WINDY:** NACA was the first aeronautical organization in the world to operate a full-scale wind tunnel.

### J. H. BOND CITES IMPORTANCE OF LMAL APPRENTICE SYSTEM

Pointing out that "the future of America belongs to the air," James H. Bond, deputy executive director of the War Manpower Commission, said at the Apprentice graduation exercises Jan. 20 at the Langley Field base theater that America "is fortunate indeed to have had the wisdom and foresight of the National Advisory Committee for Aeronautics who planned this institution. And we are fortunate in having the engineering genius, the administrative talent and the skills to carry out all and more than was expected by the original planners."

#### *Apprenticeship Pays*

The 32 members of the LMAL Apprentice graduating class heard the Federal official declare that, "it is very fortunate that the management here at NACA wisely decided some years ago to establish an apprenticeship program. By so doing you took the 'hit or miss' out of training. You put your apprentices on a scheduled program of work experience, and

(See page 6)

### WAR LOAN CAMPAIGN BEGINS

The Laboratory's campaign in the Fourth War Loan Drive is now well underway in the capable hands of Joe Kotanchik of the Structures Research Division who handled the Third War Loan Drive in the West Area last September.

Mr. Kotanchik has as his assistants in the three areas of the Laboratory, Ira. H. Abbott, Assistant Chief of the Full Scale Research Division, in the Full Scale Tunnel Area; Percy Crain, Chief of the Mechanical Services Division, in the Administration Building Area; and Gordon Fisher of the Structures Laboratory staff, in the West Area.

The nationwide drive will continue from Jan. 18-Feb. 15, however, Mr. Kotanchik has expressed a desire to have the campaign at the Laboratory a

short one. A larger number of solicitors than have been used previously have been selected, in order to keep from overloading anyone and dragging out the drive. It is hoped to have active solicitation concluded in about a week. However, all employees will be able to buy bonds for cash at the Bond Office at any time after solicitation stops.

No official results could be obtained as this edition went to press, however, it is felt that a sizeable start has already been made because all bonds purchased during the month of January will be counted in the total. Anyone who has bought a bond outside of the Laboratory during the month of January may have it applied against the total here by getting a transfer of credit slip from his solicitor.



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor . . . . . H. Lee Dickinson  
Managing Editor . . . . E. McKinley Hutton  
Associate Editor . . . . Ruth Angel  
Art Editor . . . . . Ben Vogel  
Reporters . . . . . LMAL Employees

*We Congratulate The Graduates*

Congratulations to the 32 members of the Apprentice graduation class, who received certificates at impressive ceremonies held Thursday at the Langley Field base theater. It was the culmination of long, arduous labor and study for all of them.

Said Charles A. Hulcher, Apprentice Administrator, who cited them as an outstanding group of the Laboratory's mechanical workers:

"They are studying on the job and producing vitally essential war work, often contributing directly in the engineering field. All of their related study has been accomplished on their own time....They have sacrificed a great deal of personal pleasure to regularly attend the required classes and have spent many hours in outside study".

Although their work has only just begun, these 32 young men can at least bask in the pleasant realization that their efforts were for a purpose: At a time when the final victory apparently depends so much on air power, the knowledge and the skill which they have attained will be a lasting contribution to the progress of the aeronautical sciences.

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*Forty-nine Weeks To Go*

With the New Year just getting under way, we would like to impress upon Laboratory employees the story about James Blanchard "Lefty" Forrest of the Maintenance Section, who believed so sincerely, in saving some of his leave for "a rainy day" that he missed 13 weeks from work in 1938 as a result of an automobile accident and never lost a day's pay.

"Lefty's" example is not an isolated one. There are others at the Laboratory with just as admirable a record. But his case has come to our attention and we mention it in the hope that many employees will realize that though the regulations allow us a certain number of days leave during a calendar year, common sense dictates that we ration our leave wisely. Remember: we've got 49 more weeks to go and that's a long time.

**BACK THE ATTACK**

**BUY**

**WAR BONDS**

**U. OF VA. PLANS  
NEW SEMESTER**

Seven courses are expected to be offered next semester by the Engineering Science and Management War Training Committee of the University of Virginia, for Laboratory employees. Courses now under way are scheduled to end during the week of Jan. 30, and the new semester will probably start the following week or two.

The courses to be offered next semester are:

- Aerodynamics of Power Plant Installations.
- Precision of Measurements.
- Aerodynamics of Compressible Flows.
- Appreciation and Prediction of Flying Qualities.
- Pre-Engineering Physics, Part II.
- Fundamentals of Aeronautical Engineering, Part II.
- Advance Mechanics and Materials, Part II.

All the courses will be given on Tuesday or Thursday nights at Hampton High School between 7 and 9 p.m., except the Pre-Engineering Physics, Part II. which will be given at the Laboratory in the afternoon.

Persons interested in these courses will register through their section heads as was done last under arrangements to be announced later.

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**NEW LEAVE REGULATION  
IS PUT IN EFFECT**

The one calendar week maximum limitation on annual leave was lifted, effective last Tuesday, Jan. 18, and the limit which may be granted at one time set at 12 days. This new regulation, coming from the office of the Engineer-in-Charge superceded the previous limitation which had been placed April 8, 1942.

As in the past, exceptions can be made to the rule in emergencies. All exceptions however, must have the prior approval of the Engineer-in-Charge.

# PLAYERS NAME LMAL ALL-STAR FOOTBALL TEAM

As a post season finale to the Laboratory's touch football league, which concluded its schedule last month, the members of the nine teams selected an all-star team.

John Blank, who captained the Engineering Section's champs, received the most votes of any player selected for the first team and was thereby named captain. Walt Williams, stellar guard for the Flight Research team topped all the linemen with 50 votes. Blank, who played in the backfield, got 60 votes. The only other player who got more than forty votes was Nick Mastrocola, PRT's "one man backfield", who received 47.

Engineering led all teams by placing five men on the squad of three teams. In addition to Blank, Irwin Schumacher and George Sadler made the first team, and Bob Nutter and C. T. Brown made the third. FRM was the only other team to get more than one first team berth, placing Jack Reeder in addition to Williams. Bill Craig gained the second team center position. The 8' High Speed Tunnel placed four men on the squad, none of whom made the first team. Of the four Redmon and Luoma made the second team and Mattson and Vincke were on the third.

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## LMAL BASKETBALL LEAGUE MAY BE ORGANIZED SOON

Tentative plans are being made to organize a LMAL Basketball League.

A complete list of those interested has not yet been obtained. All sections interested in participating should submit their list of players immediately to Pete Korycinski, 16-foot High-Speed Tunnel.

It is necessary to have a complete list of players, as well as the name of one person who will act as a representative for the various sections, by next week in order that definite plans may be formulated.

Position	Player	Team	Notes	Team	Votes
End	Dave Ochiltree	Structures			27
End	George Sadler	Engineering			24
Guard	Walt Williams	FRM			50
Guard	Carl Cecil	West Shops			24
Center	Bruce Amole	Tank			32
Back	John Blank, Capt.	Engineering			60
Back	Nick Mastrocola	PRT			47
Back	Jack Reeder	FRM			28
Back	Irwin Schumacher	Engineering			26

### Second Team

### Third Team

Nichols	PRT	21	End	Kinzler	West Shops	17
Boughan	Structures	20	End	Vincke	8' H.S.T.	14
				Jarvis	Tank	14
Redmon	8' H.S.T.	22	Guard	Nutter	Engineering	20
Westfall	AFR	23	Guard	Moscater	West Shops	11
Craig	FRM	28	Center	Turner	AFR	18
Daum	AFR	23	Back	Cartabiano	16' Tunnel	17
Luoma	8' H.S.T.	20	Back	Bartone	Structures	17
Korycinski	16' Tunnel	19	Back	Brown	Engineering	16
HacsKaylo	Tank	18	Back	Mattson	8' H.S.T.	15

Honorable Mention (all over five votes): Ends: Henry, 8' HST; White, FRM; Lindell, Engr.; Taylor, Shops; Deis, Engr.; Walters, Tank; Kleckner, FRM; Kabana, Engr. Guards: Vollo, PRT; Daniels, 8' EST; Nagel, Engr.; Turner, 16' T.; Rossman, Struc.; Jevan, Engr. Centers: Dekoster, PRT; Forrester, 8' HST; Taub, Shops; Rosen, Engr. Backs: Matthews, FRM; Fedziuk, 8' HST; Cohen, PRT; Corson, 16'; Freihofner, Tank; Brown, AFR; Santi, Tank; Everett, Shops; Neff, Struc.; Marchal, Engr.; Hart, FRM; Kurtyka, Shops; Little, Shops; Panz, Shops.

## GENIUS, INC., BOWLERS WIN FIRST ROUND

Genius, Inc., proved its brilliance in the first round of the Stability Division Bowling League by coming out on top. The Free Flight Tunnel entry was just a shade ahead of AWT's Wreckers.

Honors for high men's averages go to Marvin Schuldenfrei, Les Schneite, Buster Seacord, and Red Neihouse. Women's honors were won by LaVerne Priddy, who started off the second round with a 112 game; Mary Anne Campbell, Esther Draughn, Kitty White, and Margaret Farmer.

Team standings for the first round:

Team	Section	Won	Lost	Pct.
Genius Inc.	FFT	12	6	.667
Wreckers	AWT	11	7	.611
Spinners	Spin Tunnel	10	8	.555
PH-F-F-Ts	FFT	9	9	.500
Ramber's Bombers	Stab. Tunnel	8	10	.445
Tumblers	Spin Tunnel	7	11	.389
Soule's Stable Boys	Stab. Tunnel	6	12	.333

## ROOM AVAILABLE FOR CONFERENCES

The private dining room, conferences and similar types which is located on the first floor of the Administration Building in the place formerly occupied by the Electrical Office, may now be used for

conferences and similar types. All arrangements for the use of the room must be made in advance with the Receptionist, Miss Marijean Saunders.



Charles King, Aviation Metalsmith; Birthplace: Sanford, N. C.



Leonard Richardson, Draftsman; Birthplace: Newport News, Virginia



John E. Doyle, Draftsman; Birthplace: Holton, Kansas



Harold I. Maxwell, Draftsman; Birthplace: Champaign, Illinois



Paul J. Boeger, Draftsman; Birthplace: Topeka, Kansas



Gordon Cheesman, Modelmaker; Birthplace: Bradford, Penna.



Otto F. Trout, Machinist; Birthplace: Pittsburgh, Pa.



Joseph Pavlovsky, Draftsman; Birthplace: East Morris, Conn.



James T. Poe, Machinist; Birthplace: Hampton, Virginia



Frederick Breisch, Machinist; Birthplace: Dubois, Penna.



Harry C. Shoaf, Draftsman; Birthplace: New York City



Theodore Elder, Machinist; Birthplace: Homer, New York.



Fred Chalfont, Modelmaker; Birthplace: Shinnston, West Va.



Joe Shematek, Aviation Metalsmith; Birthplace: Aliquippa, Penna.



Charles C. Nagle, Modelmaker; Birthplace: Baltimore, Md.



Theodore W. Schindler, Modelmaker; Birthplace: Baltimore, Md.

Appr

Grad



Charles M. Chambers,  
Machinist; Birthplace:  
Baltimore, Maryland



Joseph V. Boyle,  
Modelmaker; Birthplace:  
Corapolis, Penna.



Roland Tully,  
Toolmaker; Birth-  
place: Newport News



Howard Ferrall, Aviation  
Metalsmith; Birthplace:  
Red Lodge, Montana



Francis Dreisback,  
Instrument Maker;  
Birthplace: Columbus, O



Earl L. Council Jr.,  
Draftsman; Birthplace:  
Hampton, Virginia



Richard A. Everett,  
Machinist; Birthplace:  
Wheeling, West Virginia



Frank R. Dies,  
Modelmaker; Birth-  
place: Denver, Colo.



Andrew Veryzer,  
Machinist; Birthplace:  
Islip, New York



Bert C. Deis,  
Machinist; Birth-  
place: Denver, Colo.



John A. Demonaco,  
Modelmaker; Birthplace:  
Lawrence, Mass.



Walter H. Lane, Model-  
maker; Birthplace:  
South Portland, Maine



Joe W. Dodson, Model-  
maker; Birthplace:  
Greenville, S. C.



Anthony P. Ianuzzi,  
Machinist; Birthplace:  
Queens, New York.



William J. Carroll,  
Draftsman; Birthplace:  
DuBois, Pennsylvania



David Wasserman,  
Aviation Metalsmith;  
Birthplace: New York

entice

note

## 32 APPRENTICES GRADUATE

(From page 1)

you arranged classroom studies for them in the theories and sciences related to their work. Planned Apprenticeship pays. It is one of the best investments any plant can make whether the plant is run by the government or by a private employer".

Commending the graduates for their persistence in finishing the prescribed course and thereby gaining "a solid foundation to build on", Mr. Bond mentioned that "America has found in this war that the strength of the nation depends upon the skill of its people."

### *Skills Are Valuable*

He declared that no one is wise enough to write a blueprint for the postwar world. "But I have a conviction that the facts of the postwar world--the postwar American world--are likely to be built more upon the character of the American people than upon the plans men draw on paper." He pointed out that the skills of the graduates will be valuable not only in producing vitally essential war work, but in shaping the postwar world.

Mr. Bond was introduced by William F. Patterson, of the Apprentice Training Service, who praised the Apprentice school here and cited them for having "set an example for the whole country."

### *Reid Opens Program*

H. J. E. Reid, Engineer-in-Charge, opened the program. Elton W. Miller, Chief of the Administrative Department, offered the invocation and the benediction. Ira Ramsey, an apprentice in the Engineering Section, spoke briefly on behalf of the student body; and Harry C. Shoaf, an engineering design draftsman, spoke for the graduates.

Others who participated in the program were Linscott Ballentine, State director of trade and industrial education, who introduced E. M. Claud, special agent of the apprentice training service. Claud inducted a group of new apprentices. Charles A. Hulcher, Apprentice Administrator, presented NACA certificates to the graduates, and E. D. Henry, of the apprentice training service, awarded Federal Committee Certificates to the graduates.

### *Guests Introduced*

Mr. Reid introduced those on the speakers' stand. They included Col. E. A. Lohman, commanding officer of the Air Base; Major Tillet, executive officer; Col. Carl F. Greene, materiel command liaison officer; M. Wright, in charge of apprenticeship training at AERL; Philip S. Van Wyck; C. Alton Lindsay, superintendent of Elizabeth City County schools; Luther W. Machen, local director of the War Training Program; Ernest Johnson, chief of the Technical Service Department; S. Walter Hixson, Jr., assistant Apprentice Administrator; John W. Crowley, head of the Research Department.



*In preparing figures for reports, MAKE LINES SUFFICIENTLY HEAVY*

## BOND RECORD

The Laboratory's percentage in the payroll bond allotment plan fell off slightly in December from its high peak in November. In December, 96.64 percent of the employees allotted 13.31 percent of their pay for bonds while in the preceding month, 97.59 percent allotted 13.69 percent.

The total allotment, however, was the highest for the year, \$62,304.67, as was the average allotment of \$27.75.

The gross payroll for December was \$467,998.32 and there were 2323 employees on the payroll, 2245 of whom participated.

\*\*\*

FOUND: One man's brown leather, furlined glove; one pair of men's black leather, feltlined gloves; one pair of women's brown gloves, leather backed; one bright green woman's kerchief. These articles were found and turned in at the LMAI Bulletin Office in the Administration Building and are awaiting their owners.

There is no virtue so truly great and godlike as justice.

—JOSEPH ADDISON

## *Safety Aces*

A

NEVER FORGET THAT THERE ARE MANY WORKERS ABOUT THE LABORATORY WHO ARE INEXPERIENCED AND DO NOT KNOW WHAT IS DANGEROUS OR WHERE THE DANGER LIES.

WATCH FOR UNSAFE PRACTICES AND IF YOU SEE A FELLOW WORKER TAKING A CHANCE WARN HIM SO THAT HE WILL REALIZE THE DANGER.

NO. 5

∇

## NACA CITED IN ARTICLE

In an article in the January issue of Aviation magazine on the "NACA, the Force Behind Our Air Supremacy", is the information that it costs America more than \$20,000,000 for one night's bombing of Berlin as compared to \$17,546,700 required by the NACA for this year's work.

The establishment of the NACA was described in the article as "one of the most far reaching pieces of legislation, so far as the destiny of our country was concerned," that has ever been adopted by Congress.

### *1926 Momentous Year*

The article described the early days of the NACA and cited 1926 as the year which marked the time when the NACA, with more than a half million dollars appropriated for its operation, could really augment its effective work.

During 1926 "investigations were made for the Army on various types of wing sections; experiments were made concerning directional guidance of airplanes by radio beams from the ground; tests were made of duralumin for aircraft; fuel injection was not only studied but was reported on to the general benefit."

### *America Forges Ahead*

While "European airliners sat on the ground during the hours of darkness, all the airlines in America drafted and flew their schedules regardless of the hour of day or night. It was not to the men in the air that most of the credit was due--though they were of the world's finest--but to the men on the ground, the experimenters, the foreseers of the hitherto unforeseen, who made possible the tremendous achievements of American aviation." the article said.

The Committee had come a long way since 1915, the article commented, and the men who composed it had not only

## LIFE AT THE LABORATORY

**WEDDING BELLS:** Annie Brown, Payroll, is settling down to married life now. She and Lieut. Lee May were wed in Harrisonburg, Penn., on Jan. 10.

**PROUD PAPAS:** Russell Noell, Engineering Section, was passing out cigars and a big smile recently. He is the proud father of a son, Edward Moore....Congratulations to Charlie Donlan, Project Engineers. He is another proud father of a new son.

**WELCOME BACK:** The File Section is glad to have Peggy Darnley back. She has returned to the Lab after several weeks absence....Audrey "Ace" Campbell of Charlottesville brought life back to the Peninsula last week-end. She visited the Lab and Roy Lange. The former "songbird" of the Editorial Office will become a permanent fixture at the Laboratory again on Feb. 1.

**GETTING WELL:** Ruth Perryman, Personnel Office, is convalescing from a recent appendectomy.

**ENGAGEMENTS:** Sarah Whitley, AWT, is flashing a new diamond. It's from the Navy....John V. Ankeney, Jr., Research Division, and Mary Elizabeth Ervin, of East Bank, West Va., are planning a June wedding.

**PARTYING:** The boys of Club 55 had a party last Saturday night in honor of Frances Winder and Jack Reeder, whose marriage will take place Jan. 26....The Club Chippydale met recently at the home of Mr. and Mrs. George W. Poythress. Guests included Mrs. Lada, Jean Poythress, Bertha Tallman, and Clint Eugene Brown. It was the club's second meeting and Brown was taken in as a new member. Other members include Ben Cleveland, Frank Parmenter, Bob Stuard, Bob Storback, Leigh Lewis, Joe Lada, Jack Kinzler, Bill Poythress.

**FAREWELL:** Reproduction sadly bid tall, blonde, and the talented illustrator Marge Patterson goodbye during the past week. Her artist husband, who decorated Service Club No. 1 at Langley Field, has been transferred and Marge, who has been here seven months, is returning to Michigan and advertising business....Elda Simpson, East Area Engineering Section, has left the Lab to join her husband, who has been transferred to California....

**VISITORS:** Dot Wiggins, formerly of LMAL and later of AERL, spent several days recently with Mary Lou DuVal, Stability....Anne Stowe, formerly of the Editorial Office, was a recent guest of Georgia Dees, 16-foot Tunnel.

**MISCELLANY:** Raymond Rosen, Engineering Section, has returned after a visit to his home in Hartford, Conn....Jerry Hilton, AWT, is back from a trip to her home in Wytheville...Virginia Finch, AWT, and Mr. Finch, Machine Shop, spent a few days at their home in Kinly, N. C....Bill Letko, Stability, is visiting his home in Watervliet, N. Y.

**ILL WINDS:** Clyde Lumpkin, Chief Clerk, has been ill for the past week....Kenneth B. Smith, East Model Shop, has gone to his home in Iowa Falls, Iowa, for medical attention.

**SKY GIANTS:** Two hundred and fifty ton planes are predicted by aeronautical experts to be a reality for the not-too-distant future.

justified its existence, they had made it an indispensable component of the national welfare.

American business, free labor and free agriculture have built within these two years a far greater war machine than Hitler's dictatorship built in ten years. Every day we grow stronger and we can now see ultimate victory. It may be a long, hard, costly struggle, but we are going to win.

—FRANK GANNETT

## RECRUITERS ARE WELL RECEIVED

The 12 Laboratory employees who have gone into the field as special recruiting representatives of the U. S. Civil Service Commission have reported that they have been very cordially received in the cities where they will be stationed for the next several weeks and that they have received fine cooperation from local agencies in making contacts and getting necessary publicity.

The representatives and their stations are as follows: James Danko, Asheville, N. C. Marvin Forrest, Winston-Salem, N. C.; Paul Taylor, Greensboro, N. C.; Stuart Perviance, North Wilkesboro, N. C.; Thomas McGrath, Salisbury, N. C.; Harold R. Turner, Sr., Raleigh, N. C.; James Betts, Durham, N. C.; Charles Wolf, Danville; Young V. Houston, Roanoke; Phillip Allen, Lynchburg; Ernest J. Shave, Charleston, W. Va.; and Paul H. Obst, Wheeling, W. Va.

By a special arrangement with the Norfolk Navy Yard, whereby each agency will assist the other in recruiting, 48 other special representatives are stationed at the following cities in the Fourth U. S. Civil Service Region: North

Carolina, Hendersonville, Waynesville, Morganton, Lenoir, Hickory, Statesville, Shelby, Rutherfordton, Lexington, Asheboro, High Point, Mt. Airy, Leaksville, Spray, Reidsville, Henderson, Rocky Mount, Tarboro, and Wilson; West Virginia, Huntington, Bluefield, Beckley, Oak Hill, Fairmont, Parkersburg, Morgantown, Elkins, Clarksburg, and Weston; Virginia, Bristol, Pulaski, Radford, Appalachia, Covington, Galax, Staunton, Winchester, and Charlottesville; and in Washington.

The combined groups are recruiting chiefly for mechanical personnel to fill the vast needs of the Laboratory. All Laboratory employees who have friends in any of the above cities who might be interested in employment are urged to write them and have them contact the special representative in their town.

All of the representatives are stationed either at the offices of the United States Employment Service or the Civil Service Commission.

**LOST:** One dark blue Eversharp fountain pen, with name in gold. Reward for return to Bill Cowling, Construction Drafting, telephone 296.

## IMPACT BASIN DEMONSTRATES

On Monday night, Jan. 10, the Impact Basin staged a demonstration of its work for the members of the Aircraft Loads Division and a few invited guests. Among the guests were L. K. Smull, representing the Washington Office, John W. Crowley, Jr., and Elton W. Miller.

Richard V. Rhode, Chief of AID, acted as master of ceremonies and gave a brief speech commending the members of the Impact Basin staff on their fine work. He introduced Elton W. Miller who gave a brief survey of the origination and development of the Impact Basin. He congratulated the original members of the staff, M. E. Hathaway, Wilbur Mayo, Sid Batterson, and Margaret Steiner for carrying through the design to the point of operation of equipment. Mr. Miller also pointed out that the Impact Basin would become of great value in the solution of important seaplane design problems.

Marvin E. Hathaway, the section head, gave a concise explanation of the equipment after which a series of shots were fired, demonstrating the operation of the Impact Basin. The guests were then divided into several groups, each of which viewed different phases of the operation.

After the demonstration of the equipment, data from the first tests were presented. The evening was culminated with the serving of refreshments.

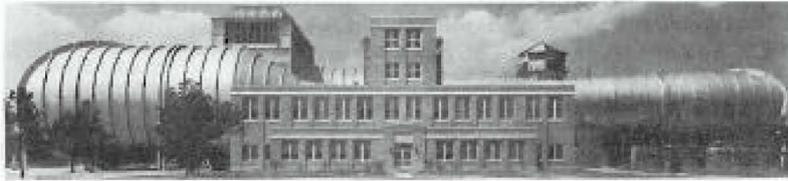
★ ★ ★

**LOST OR MISSING:** One stand, typist, wood top, drop leaf, metal framework, olive green; top 19 by 9 1/2 inches, leaf 17 by 14 1/4 inches; 28 1/4 inches tall. Inventory No. 22998. Missing from warehouse sometime during December. Please communicate with David Buchanan at 252 if you know of the whereabouts of this stand.



"THEY SAY THE RAINY SEASON DOESN'T  
START UNTIL SPRING"

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 5, Vol. 3

Langley Field, Virginia, January 29-February 4, 1944

Page 1

### **GREEN COW MAKES 1944 DEBUT FEB. 4**

The Noble Green Cow has brought out her dancing slippers and polished them to perfection in preparation for her opening prom of the season next Friday, Feb. 4, at the Hampton Armory.

The dance, which promises all anyone could desire in terpsichorean delight, will be held from 9 p.m. until 12 midnight and prom trotters will dance to the music of Bob Savage and his orchestra.

The orchestra, a local product, features the swing guitar of the leader and the instrumental solos of several big name band stars who are currently stationed at nearby army posts.

Season tickets for all Green Cow dances have been placed on sale all over the Laboratory, it was learned yesterday from Bill Craig,

chairman of the group. The tickets are priced at \$3.50 and will entitle the member to admission at all functions during the year. Craig's plans for the year are as yet incomplete but he stated that he wants to have as many dances as possible and that he would like to have some different type of entertainment in the summer.

Craig also reminded everyone that no single admission tickets will be sold for any dance.

Tickets may be bought from any of the Green Cow executive committee, Bill Craig and Tiny Hutton in the Administration Building, Charlie Kelly in the Full Scale Tunnel, and Sid Batterson at the Impact Basin, or from any of the following persons: Tank, Alla Fay Ellis; Hangar, Betty Ludwig; Stability, Flo Winton; Dynamic

(See page 3)

### **CASH SALES EXCEED \$31,000 IN CAMPAIGN**

The Laboratory's campaign in the Fourth War Loan shows good prospects of going over the top, as cash sales of bonds totalled approximately \$31,000 at the close of work last Wednesday.

Joe Kotanchik, chairman of the drive, stated that this represents nearly 90 percent of the Laboratory's goal and expressed a belief that the drive would exceed expectations because many employees are planning to buy bonds after the next pay day on Feb. 5.

A study of the results of the drive so far shows a wide difference in the degree of participation by the various sections. Some have exceeded their quotas, while many others have not yet reached 20 percent of theirs. Neither does there appear to be any direct relation between the level of salary in the section and the percent of the quota reached because many sections with large numbers of employees in the lower salary brackets are found among the leaders in section standings. Mr. Kotanchik has also said that this need not be any indication of the final results because there is still time for all sections to improve their standings by going all out in this War Bond Drive.



**A BOOST FOR UNCLE SAM:** Leon Smith pauses at his work at the Prop Shop long enough to receive \$5,000 in war bonds which he purchased from Mrs. Caroline Stanley (left), a solicitor in the Laboratory's Fourth War Loan Drive.

BONDS BUY BOMBERS



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor . . . . . H. Lee Dickinson  
 Managing Editor . . . . E. McKinley Hutton  
 Associate Editor . . . . Ruth Angel  
 Art Editor . . . . . Ben Vogel  
 Reporters . . . . . LMAL Employees

*A Code Of Conversation For Wartime*

Langley Laboratory employees can help considerably in the effort of our nation to guard its military secrets. To avoid leaks that cost lives, J. Edgar Hoover, Director of the Federal Bureau of Investigation, suggests that you remember these key words to remind you of the things our enemies want to know:

WHERE--are our soldiers, ships, airplanes (anti-aircraft guns, forts, gun emplacements, factories, mine fields, harbor defenses)? Where are war weapons manufactured?

HOW--are our men going? How are they armed and equipped? How are our planes, tanks, and other weapons made? How well or poorly do they perform? How are they changed in design?

WHEN--are our men going? When will that ship be launched? When does it sail? When will that research project be finished?

HOW MANY--troops, ships, planes, tanks, other weapons, war materials? How many being made? And will be made?

WHAT KIND--of duty is he doing...training is he getting... work is he doing in war plants? What kind of ship, plane, is it? What kind of cargo?

WHAT ARE THEY DOING--the soldiers and sailors you know about? And the war workers? And ships, factories, planes?

These are only suggestions of the kind of information our enemies need. No list of any kind could ever be nearly complete. What would we like to know about our enemies? Well, that's what our enemies want to know about us!

Someone asks: "Can we talk about anything?" Of course; just remember this rule: If you hear it from someone, don't repeat it; if you see it yourself, don't repeat it; but if you read it in the newspapers or magazines or hear it on the radio, then it's public property..and you can go ahead and talk about it.

CHANGING FASHIONS



Jo  
College



First day  
at NACA



End of first  
week at NACA

**LIBRARY NEWS**

The following books have been received in the Library and are available for charging out:  
 Morgan, J. D. Principles of Ignition.

Proceedings of the Sixteenth Semi-annual Eastern Photoelasticity Conference, Nov. 13 and 14, 1942.

Schwarz. Gesammelte mathematische abhandlungen. 2 vols.

How to Make Good Movies. Published by Eastman Kodak Co.

Jones and Axelrod: Introductory Shopwork.

Worthing and Geffner. Treatment of Experimental Data.

Caratheodory: Conformal Representation.

Scott, Clothier, Mathewson and Spriegel. Personnel Management.

Clarke, Edith. Circuit Analysis of A-C Power Systems. Vol. I. Symmetric and Related Components.

Binder, R. C. Fluid mechanics. Schelkunoff, S. A. Electromagnetic Waves.

St. John and Isenberger. Industrial Radiology.

Frank and von Mises. Die differential and integralgleichung der Mechanik und Physic. 2 vols. Experimental Stress Analysis.

(Proc. of the 17th Eastern Photoelasticity Conference, May 13, 14, and 15, 1942.)

Wilson. Advanced Calculus.

Fine. College Algebra.

Slater, J. C. Microwave Transmission.

Tead and Metcalf. Personnel Administration, Principles and Practices.

Adam, N. K. Physics and Chemistry of Surfaces.

Roethlisberger and Dickson. Management and the worker.

Courant and Hilbert. Methoden der Mathematischen Physik. 2 vols.

\* \* \*

*A Lot Of Headaches*

Maybe it's because the income tax season is here; or it might be due to nocturnal frolicking.

At any rate, Langley Laboratory personnel have had their share of headaches since the first of the year.

A check with the Stock Section indicated that since Jan. 1 there have been 2,500 aspirin used by employees here.

# LIBRARY WILL HAVE INVENTORY

In preparation for the Library inventory to take place next week it is requested that all library material such as books, documents, and magazines not in actual use by staff members be returned on Jan. 31 and Feb. 1. This will eliminate a great deal of work for the library staff.

In order to facilitate the inventory, lists will be sent beginning Feb. 1, to each staff member who has any library charge. It will be necessary for staff members upon receipt of their respective notices to bring all material on the lists to the library for a physical check up and renewal charges.

In order to effect this inventory in the shortest possible time with the least inconvenience to all concerned and without interference with the routine operation of the library, it is urged that staff members adhere strictly to the dates given on each notice. There are over 5,000 pieces of material to be checked and it is necessary that this be accomplished in a systematic manner.

The cooperation of the entire staff with regard to this matter will be greatly appreciated by the Library section.

## THIRTY-FIVERS SPONSOR

VALENTINE DANCE FEB. 11

The Thirty-Fivers of St. John's Church in Hampton will sponsor a dance from 9 p.m. until 12 midnight Friday, Feb. 11, at the parish house. Admission will be 75 cents.

## STAFF SHORTHANDED

The Bulletin staff will be shorthanded during the next few weeks due to the hospitalization of Ruth Angel, Associate Editor. During this time it will be necessary to insist that the deadline for the receipt of all copy, which is set at noon of the Wednesday preceding publication, be observed in all cases.

# DRIVE AGAINST ACCIDENTS GOING FORWARD

LMAL, Jan. 29 - (OSC) - The operations safety committee's campaign to flatten the enemy pushed forward today, and "the situation is developing favorably", Safety Headquarters announced. The communique did not locate a particular invasion point.

The enemy launched several fierce counterattacks on the East Model Shop front, an indication that a previous flank attack apparently had taken them by surprise. Master Sergeant Clarence A. Pomeroy reported that Technical Sergeant Thomas H. King, after forcing his way through enemy lines at Pattern Miller, was thrown back, severely injured. The enemy's success at this point was due apparently to a misinterpretation of orders which caused the Patrol Party, composed of King and Master Sergeant Philip C. Allen to move up without adequate protection. The use of Safety Lead-in Blocks, which are considered vital to safe operation during an engagement of this nature, was neglected.

Several skirmishes were reported along the West Model Shop border. Private Annie L. Carter, W.O.W. (Women in Warwork), was struck by a slow-moving vehicle being operated by our own troops and was put out of action for 29 days.

Sixth Column (Lost-time accidents) activity was uncovered in Photo Lab when Private Mary Catherine True was injured as she was cutting paper. While bringing the knife lever down, she was struck in the back by a table which crept up unnoticed.

Goaded into making a counterblow at the East Machine Shop by Master Sergeant William P. Tully, who wrested that section from them, the Enemy set up a number of booby traps. Private Anna H. Tiderenmel, W.O.W., lost one day after attempting to tighten chuck on grinder with the wheel in motion. Troops are cautioned to watch for other traps known to be in this area, including failure to clamp work while drilling, habit of tightening arbor nut on milling machines by utilizing the power of the machine, etc.

General Starr Truscott announces the reappointment of Lieutenant Richard J. Moberg, 8-foot High Speed Tunnel, and Lieutenant Franklin W. Booth, Maintenance, to the Operations Safety Committee, which is acting as General Staff.

## GREEN COW (From page 1)

Model Shop, Esther Draughn; East Machine and Erection Shop, Katie Banick; East Model Shop, Rosa Keese; Engineering, Mary Noble Angel; PRT, Walt Bartlett; 8' HST, Axel Mattson; 19' Tunnel, Jerry Teplitz; Loads, Helen Flannagan; Engine Lab Building, first floor, Ann Rogers, second floor, Kathryn Pyle; AWT, Billie Warren; AFR, Ben Johnson; Technical Service Building, first floor, Flossie Timberlake, second floor, Martha Willis Tamm; Warehouse Building, Warren Spratley and Charlie Donlin; 16' Tunnel, Jack Runkel; Structures, John Houbolt; Construction, Al Bennett; Electrical Office, Marge Hutton; Prop Shop, Ann Blanks; Stability Tunnel, Jay Bird; West Shop Building, first floor, Stella Habura, second floor, Hilda McCraw.

# NEED FUNDS FOR "KITTY"

The Bulletin Office has received eight new names and addresses of boys in the service who formerly worked at the Langley Laboratory.

This means that 18 soldiers and sailors in the farflung corners of the world are now receiving the Laboratory's weekly newspaper through the courtesy of LMAL employees.

However, our "postage kitty" is being sadly neglected. It costs 54 cents each week to mail the Bulletins to these boys and the contributions for this fund have been slow coming in.

Come on, brother, can't you spare a nickle or dime to send a buddy some news from home?

# LIFE AT THE LABORATORY

**WEDDING BELLS:** Milton B. Ames, Jr., formerly of AWT and now of the Washington Office, and Martha Nuland, also of the Washington Office, were married last Saturday at the Freemason Baptist Church in Norfolk. Dick Sears, AWT, was an usher... Jack Reeder, Test Pilot, and Frances Winder, formerly of Full-Scale Tunnel, were married Jan. 26 at Frances' home in Hampton.... Jack and Frances were entertained at a party last Saturday night by the boys of 61 Shenandoah Road.

**OPERATIONS:** Ruth Angel, Associate Editor of the LMAL Bulletin, is recuperating at Riverside Hospital in Newport News after an appendectomy. She will be away about five weeks... Charles Dobrowski, Structures, has returned to the Lab after undergoing an appendectomy... Rene Rhodes, AWT, underwent an operation at Stuart Circle Hospital in Richmond Jan. 24.

**PROUD PAPA:** Bert Denaci, Stability Tunnel, has been beaming all over since the arrival of his new daughter, Suzanne Madeline, Jan. 19. The other engineers have not been so happy, however, as several casualties resulted from the potent cigars that Bert passed around.

**LOVE IN BLOOM:** Vivian Bransford, Full-Scale Tunnel, is engaged to one of the military police at Langley Field. The wedding will take place in March.

**PARTIES:** Indie Atkins, Files, is having a bridge party and crystal shower Jan. 31 for Martha Willis Tamm, Apprentice Administration, who recently entered the world of married bliss... The newly-organized P-51 Club had a dinner-meeting Jan. 18 and had such a good time that another is planned for the near future... Club 55 had another of its famous parties last Saturday. Bill Craig was host. Mrs. L. C. Branch, the life of the party, stole every one's heart, especially Charlie Kelly's.

**VISITORS:** Carmen Plot, Sylvia Greene, secretary to Dr. George W. Lewis, and Charles H. Helms, all of the Washington Office, were recent visitors... Capt. C. E. Lundquist, Wright Field test pilot, has returned to Wright Field after a brief sojourn here.

**WHAT A JACKET:** "Hunk" Hart's new wine-colored jacket is really the latest thing in style. It's not one of those things that you turn around just once to look at but three, four, and even five times.

**MISCELLANY:** Helen Morganson, Full-Scale Tunnel, is back after a visit with her husband, an air cadet at Greensboro, N.C... Lois Evans, Full-Scale Tunnel, is spending the week in Norfolk... Sally Bourne, Structures, has returned from New York, where she saw her brother-in-law who has a role in the play, "Our Town"... Roger Peters, Structures, is visiting in Milwaukee... Norman Rafel, Structures, is seeing New York... David Ochiltree, Structures, has returned from a visit home in Chicago... Bill Hickman, Structures, is vacationing in Illinois... Shirley Huxton, 16-foot, is spending the week-end at her home in Richmond... Ann Ingle, East Area Engineering Section, spent a few days in North Carolina participating in her brother's wedding... Sally Mason, East Area Engineering, is vacationing at home in Lexington, Ky.

**KISS ME QUICK:** A certain Library maiden is still blushing about the time she called a division chief and asked him about a report on osculation when she really meant oscillation.

\* \* \* \* \*

**NEW NUMBERS:** New telephone numbers have been assigned to the AWT section head, located in the main office on the second floor, 353; and to the Instrument Shop, Hangar, 346.

**PERSONNEL RECORDS:** The new telephone number of Personnel Records, located in the Personnel Office in the south end of the Technical Service Building, is 345.

# FIRM FEATURES LANKES' WORK

A wood engraving of Independence Hall in Philadelphia at the time the famous tower was added to the main structure was done by J. J. Lankes of Hilton Village, an employee of the Reproduction Section, as the seventh in a series of Christmas cards illustrated for the Charles Bruning Company each year by one of America's outstanding artists. The card was distributed for use during the 1943 holiday season.

In introducing his work, the Bruning Company said of Mr. Lankes that he "is well known for his many superb book illustrations, book-plates, decorations and published prints. His work is to be found in innumerable public collections both here and abroad."

## BIRTHDAY BALL TICKETS AVAILABLE AT LABORATORY

The President's Birthday Ball for Newport News and Warwick County will be held at the Newport News Armory on Monday, January 31, from 9 p.m. until 12 midnight.

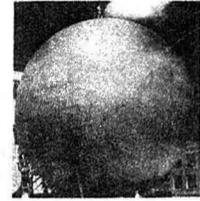
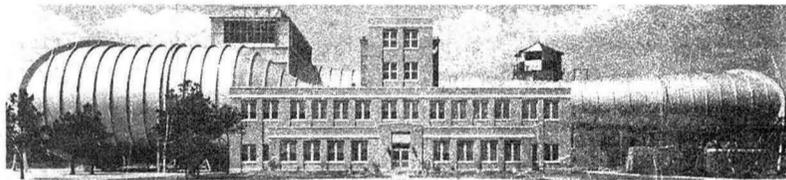
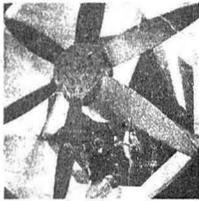
Eddie Travis and his orchestra will provide the music, and all proceeds go to the Infantile Paralysis Foundation. Tickets are priced at \$1.10 a couple and can be bought at the Laboratory from Tiny Hutton in the Bulletin Office or Hugh Watson in I Purchase.

## PURSER ANNOUNCES OFFER OF WAR BOND SERVICE

Paul Purser, head of the Fiscal Office, has announced that there is a special service available to certain members of the Laboratory staff on the delivery of War Savings Bonds purchased through payroll savings.

For persons who are living away from home and who do not have a reasonably safe place to keep their bonds, arrangements have been made with the Treasury Department whereby these bonds may be mailed to their home.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 6, Vol. 3

Langley Field, Virginia, Feb. 5-11, 1944

Page 1

### LAB BASKETBALL LEAGUE PLANNED

Plans for a Laboratory basketball league, which have dragged through the late fall and winter, now appear to be nearly complete.

The league now has eight teams ready to go, and one court to use one night a week. There is the prospect of another court in the offing, and as soon as that can be obtained, the schedule is expected to start. Over 100 Laboratory employees are ready to play, it was learned from Pete Korycinski of the 16' Tunnel, who is handling the plans for the league.

The Hampton Armory will be used by the league one night each week. but Korycinski does not want to start play until at least one more court can be put into use.

★ ★ ★

WOODROW WILSON: "One cool judgement is worth a thousand hasty councils..."

### CASH BOND SALES GO OVER \$40,000

Cash sales of \$40,106.25 in war savings bonds had been made in the Laboratory's Fourth War Loan Drive as of Wednesday morning, Feb. 2.

Solicitation efforts will be redoubled today and Monday as officials of the Laboratory's campaign seek to capitalize on the recent LMAL pay day by making several additional cash sales.

The \$40,106.25 in cash sales amounts to approximately \$54,000 in the maturity value of Series F bonds. This figure

### CONSTRUCTION IS BEGUN ON TWO NEW BUILDINGS

Construction of the first of \$8,000,000 worth of new buildings and equipment in the West Area of the Langley Laboratory has begun and work on other wind tunnels and laboratories is expected to get under way in the near future.

Work on the \$1,161,500 physical research laboratory and the \$39,000 extension to the West Area Model Shop is in progress. The Virginia Engineering Company of Newport News has the contract for construction of these two buildings.

#### List Other Projects

The majority of the buildings will be completed and in operation by Sept. 1, according to present plans. Other projects in the program include an induction aerodynamics laboratory, new 16,000-horsepower drive for the present 8-foot High Speed Tunnel, two 7-by-10-foot wind tunnels and lab-

oratory, an electronic aircraft instrument laboratory, a sheet-metal shop, an electrical building, and the necessary utilities.

The physical research laboratory is designed to permit expansion and extension of work on a number of physical problems affecting the integrity, performance, and efficiency of aircraft. One requirement arises as a result of the improved performance of airplanes and the ascendancy of the helicopter as a practical flying machine, it was pointed out.

Since present military aircraft greatly exceed the speed of 400 miles per hour, especially in dives, many fatal accidents have occurred in initial dive investigations and the physical research laboratory will be used for making preliminary studies of flutter problems at high speed.

The new laboratory is also expected to supplement and augment the present methods of testing by introducing a test procedure which will permit the extension of compressibility investigations to speeds up through the region of sound velocities and into the supersonic region, beyond the capabilities of present methods of testing.

Demand For Models Increases

In connection with the construction of an extension to the West Area Model Shop, it was mentioned that the present

BONDS BUY BOMBERS

(See page 4)



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

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 Art Editor . . . . . Ben Vogel  
 Reporters . . . . . LMAL Employees

## CLEVELAND CLIPPINGS

**TELLING THE WORLD:** AERL has recruiters in the field. They are touring colleges and universities to extend an invitation to chemists, physicists, engineers, and scientists to enter the service of the NACA. Plans are being worked out to reach the non-professional fields.

**GLASS BLOWING:** Wing Tips has an article about Bert Smythe, a self-taught glass blower who is employed in the Technical Service Division at AERL. His most difficult job is not making new pieces of glass equipment but repairing broken laboratory apparatus. Interested in the art of glass blowing since he was 15, Smythe became better acquainted with it during his six years apprenticeship in the laboratories at Cambridge University in his native England.

**BUYING BONDS:** The Fourth War Loan campaign is under way at AERL. The quota there is \$58,600 and bond committee members include J. H. Collins, Jr., Dan White, C. A. Herrmann, Oscar Schey, H. A. Underwood, J. R. Braig, and Marge Mihok.

**BALLOTING:** Twelve AERL employees have been nominated to run for the five vacancies on the NicNACA Social Committee: A. A. Bittner, Harry Bowles, Jack Dalgleish, Russ Dobrin, A. A. Horwith, Austin King, Dick Maurer, Gene Mihlbach, Scott Simpkinson, Stan Stokel, Mike Valerino, and Jack Wells.

### PLANS BEING FORMED NOW FOR LMAL SOFTBALL LOOP

Although the softball season is still a long way off, plans are getting under way now for the formation of an LMAL men's league.

It is essential for the success of the league that plans be formed now. Each section interested in entering a team must elect from its membership a representative who will work with the present softball committee in formulating plans and dealing with pertinent problems.

Send the name of each team representative to the LMAL Bulletin Office immediately. All names must be turned in no later than Feb. 11. A meeting of all representatives will be held shortly thereafter.

### Safety Aces

A

IF YOU MAKE AN OPENING OR REMOVE THE COVER FROM ANY OPENING IN FLOOR, GROUND, VALVE PIT OR SEWER, GUARD THAT OPENING SO NO ONE CAN FALL INTO IT AND WHEN AN EXCAVATION IS TO BE LEFT OPEN AT NIGHT, PROPER GUARDS, DANGER LIGHTS OR SIGNALS MUST BE PROVIDED.

NO. 6



## LIBRARY NEWS

The following books have been received in the Library and are available for charging out:

Thorpe, Leslie. Practical Thermodynamics for Aircraft Engines. Haughton & Pyrrtherch. Magnesium And Its Alloys.

Debye, P. The Structure of Molecules.

Eddington, A.S. Mathematical Theory of Relativity.

Jeans James. Mathematical Theory of Electricity and Magnetism.

Middleton, W.E.K. Visibility in Meteorology.

Schonland, B.F.J. Atmospheric Electricity.

Rutherford, E.R. Radiations from Radioactive Substances.

Thomson, J.J. Conduction of Electricity through Gases.

Hardy, G. H. Inequalities. Microfilm Available

MF 7178 - Reissner, Eric. Note on the Expressions for the Strains in a Bent Thin Shell.

MF 7583 - Kochin, N.E. On the Steady Oscillations of an Aerofoil of Round Shape in Plane.

MF 7659 - Frossel, W. Berechnung der Reibung und Tragkraft eines endlich breiten Gleitschuhes auf ebener Gleitbahn.

MF 7663 - Reutter, F. Eine Anwendung des absoluten Parellellismus auf die Schalentheorie.

MF 7707 - Simonov, L. A. Construction of Shapes by Means of a Hodograph of Velocities.

MF 7715 - Panov, D. J. On Large Deflections of Slightly Corrugated Circular Membranes.

MF 8272 - Schlichting, H. Die Grenzschicht an der ebenen Platte mit Absaugung und Ausblasen.

MF 8094 - Kochin, N.E. and Loytzansky, L. G. An Approximate Method of Calculating the Laminar Boundary Layer.

**HENRY WARD BEECHER:** A man "is rich according to what he is.

**LORD HALIFAX:** "Our faith in things democratic must burn as white-hot as that of our enemies in their philosophies."

**NEW PHONE NUMBER:** Construction Engineers, second floor of Structures Laboratory, 344.

**MISSING:** One Dazor bracket type fluorescent lamp; inventory number 21338; R. J. Moberg, 8-foot High-Speed Tunnel.

# THEY ALSO SERVE



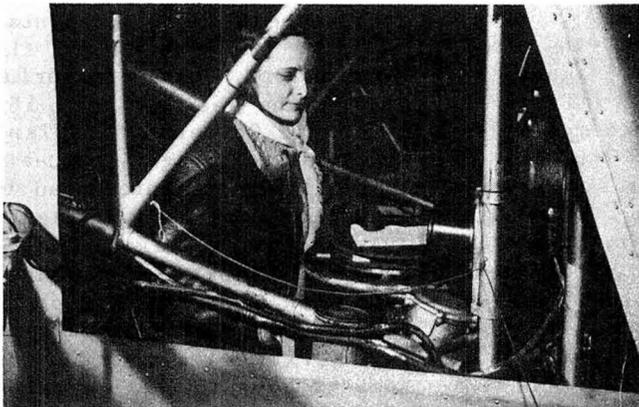
Girls Receiving Orientation Instruction From John V. Ankeney, Jr.



Roxie Carswell On Photo Lab Assignment



Hazel Storey Operating Computing Machine



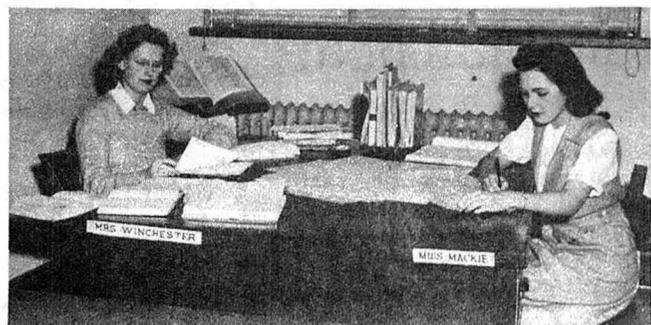
Mrs. Paul Hill Driving Towing Carriage



Mrs. Frances Clark Moore Transcribing



Ruth Angel Working On LHAL Bulletin



Checking Reports In Editorial Office

# LIFE AT THE LABORATORY

**CHIT-CHAT:** Jay Bird and his "horizontal technique" were the hit of the evening at the recent skating party sponsored by the Stability Tunnel....The gang at the Administration Building still can't get over the luck of Paul Taylor. Youngest of the recruiters sent into the field, Paul "happened" to go to Greensboro where there are some 3000 gals in school...Norwood Evans has been away for the past two weeks on official business....With all this talk of the Safety War, one has to stop and laugh about the time that the guy in Structures got conked on the bean when the safety sign fell down.

**PASS IN REVIEW:** Among the recent visitors have been John F. Victory, Joseph Davidson, and James Kelly, Jr. of the Washington Office, and Frank Duschik, who was formerly employed here and who is now listed on Lockheed's roll at Burbank, Calif.

**GLAMMER GALS:** The "Glamour Squad", a basketball team composed of LMAL lassies and Shipyard Susies defeated the girls from the Sub-Depot last Tuesday night on the Langley View court. Their next entanglement will be with Wacs from HRPE... PRT and the 19' Tunnel have been having a bit of Lend-Lease lately and as a result, Emily Lawrence and Phyllis Parker have become two attractive additions to the PRT computing section.

**MISCELLANY:** Reproduction celebrated Gloria Nestor's birthday last week with 2 cakes and Walter Lee's moving pictures... Reproduction misses its sign painter, C. W. Johnson, Sr., who is convalescing at the Dixie Hospital for several weeks.

**SICK BAY:** Janie Burroughs, head of the AWT computers, and Doris Topping, PRT, are convalescing following recent operations. Full-Scale welcomed Joe Sprouse after a recent appendectomy.

**LEAP YEAR:** The following letter, printed in its entirety, was received in the Bulletin Office this week; "Dear Editor: Since Leap Year is well upon us and the fair damsals (Ed. note: We are not responsible for the spelling) of LMAL haven't seemed to realize the fact yet, we are offering this as a chance for them to do something about it. It really behooves them, doesn't it? 'Gentlemen wanting richer social lives and craving a more varied existence desire blind dates on Wednesday night, February 9. Telephone calls from interested ladies will be received on Tuesday night. Place your call early to avoid disappointment. Call 3014' We trust that you will run this in the life at the laboratory column or any other spot that's handy. Someone has to get the leap year rolling. We thought perhaps you'd like to get the Bulletin to do that. Sincerely, (signed) The Gentlemen." (Editors note: As a matter of lending a hand to "the fair damsals", we have personally checked the phone number and found it listed at 61 Shenandoah Road.

**CONDOLENCES:** Our sincere sympathy goes to Hack Wilson on the recent death of his father.

## BACK THE ATTACK

### NEW BUILDINGS

(From page 1)

demands for precision wooden models for test purposes in the laboratory's wind tunnels greatly exceed the capacity of the combined modelmaking facilities in the two model shops. The extension will provide space for accelerating the model-building program.

**LOST:** A brown Sheaffer Lifetime fountain pen. Name Thelma Withrow engraved on pen. Finder please call Mrs. Steets, 216.

**PASCAL:** "Thought constitutes the greatness of man."

**WANTED TO BUY:** An inexpensive roll film folding kodak, 2-1/2 x 3-1/2; Terry Dews, Tank No. 1, phone 213.

RECEIVE \$6.93 FOR MAILING BULLETINS TO SERVICE MEN

The Bulletin Office received contributions totalling \$6.93 in cash and stamps during the past week to defray the cost of sending the Laboratory's newspaper to former LMAL employees now in the armed services.

Twenty Bulletins are now going out each week to former employees. Additional names and addresses for our mailing list may be forwarded to the Bulletin Office.

Cash contributions were received from the Reproduction Section, Administrative Office, Editorial Office, Fiscal Office, Cowling and Cooling and Full-Scale Research Division Office, Ambrose Page, H. J. E. Reid, and John W. Crowley.

Anonymous gifts of stamps and cash were also received.

NEED BACKSTAGE WORKERS FOR PLAY, "TWIN BEDS"

Rehearsals are in progress for the next Hampton Little Theater production, "Twin Beds", of stage and screen popularity. The play is being directed by John B. Parkison of Tank No. 1 and James Cullen. It is scheduled for presentation to the public at the Hampton High School auditorium during the week of Feb. 15.

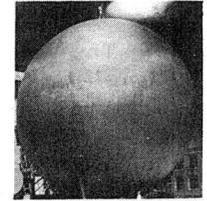
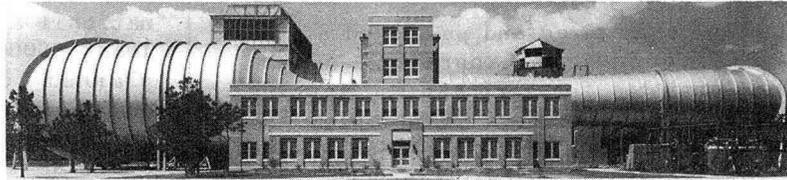
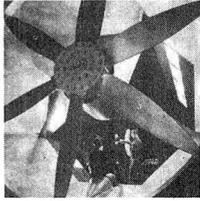
David Goldenbaum of Tank No. 1, stage manager, requests that all persons interested in backstage work such as lighting, costuming, makeup, scenery, and properties communicate with him (home telephone Hampton 5655) in order that a production crew may be assembled to start work as soon as possible.

FLIGHT DIVISION SPONSORS VALENTINE DANCE FEB. 12

The Flight Division is sponsoring a semi-formal Valentine Dance Saturday, February 12th. It will be at the Chamberlin Country Club, and the Southerners will provide the music. Dancing will start at 9:30. Invitations are priced at \$2 and are available now.

To reserve your invitation, or for further information, call Esther Wendling at 229.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 7, Vol. 3

Langley Field, Virginia, Feb. 12-18, 1944

Page 1

### **RECRUITING NOW LMAL'S CASH BOND SALES IN FULL SWING "PUSHING" \$50,000 MARK**

The Laboratory representatives who have been acting as special recruiting representatives since the middle of January have appointed 100 applicants to positions at the Laboratory. Of this number, 50 have already reported for duty.

Stuart Perviance, whose headquarters are in North Wilkesboro, N. C., is leading all of the recruiters to date with 20 appointments. Paul Taylor, who is in Greensboro, has appointed 14.

E. J. Shave, who was stationed in Charleston, W. Va., has returned home after making 15 appointments. James Danko, formerly stationed in Asheville, has replaced Harold R. Turner, Sr. in Raleigh. Mr. Turner is returning to his duties at the Laboratory.

In addition to this program of recruiting for mechanical personnel, two other LMAL employees are in the field seeking engineers. W. J. O'Sullivan of Flight Research is touring colleges in the middle west and Cal Muse of the 19' Tunnel is visiting the schools in Virginia, West Virginia, and North Carolina.

Plans are also being formulated for a recruiting program to obtain more mathematicians, computers, stenographers, and women in other professional and sub-professional fields. Women's colleges in Virginia and several nearby states will be visited in connection with the program.

Sales of War Savings Bonds to Laboratory employees pushed LMAL's Fourth War Loan Drive well over the top with cash purchases amounting to \$49,657.75 as of noon Feb. 10.

Including the payroll al-

### **LAB GROUP DECLARES DIVIDEND**

The highlights of the recent LMAL Federal Credit Union meeting in the cafeteria were the declaration of a three percent dividend on all shares for the past year and the election of officers for 1944.

Hugh Watson, Irvin Naiman, and Archie Fairfield were elected to the board of directors and Len Bartone, Arthur Samet, Paul Taylor, and John Garvin were held over from last year's board.

Barton Geer was held over on the credit committee for another year and George Hogge and William Lawton were also put on that committee.

The supervisory committee is made up of John Munick, Sid Batterson, and R. W. Stone. All of these members were elected at the meeting.

Two movies were furnished by the U. S. Signal Corps and shown at the meeting. They were "Radio Operator" and "Kill or Be Killed."

lotments for January and February, it is estimated that bond purchases will total approximately \$177,000 or nearly \$20,000 above the Laboratory quota of \$157,343.

During the active campaign at the Laboratory, approximately 700 employees purchased extra bonds, making the average purchase by each employee approximately \$70 or almost the issue price of a \$100 bond.

The part of the Laboratory campaign that included soliciting through personal interviews came to a close last Monday. Joe Kotanchik, chairman of the campaign, gave the solicitors and the area leaders credit for the success of the drive. The Bulletin will print a complete list of all the solicitors before the official close of the campaign.

Employees are reminded that cash purchases can still be made through the Bond Office in the Engine Lab building, and that all cash purchases before the last of February will be applied to the Laboratory's total.

American business, free labor and free agriculture have built within these two years a far greater war machine than Hitler's dictatorship built in ten years. Every day we grow stronger and we can now see ultimate victory. It may be a long, hard, costly struggle, but we are going to win.

—FRANK GANNETT



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*'Pin-Ups' On Tarawa*

On a Marine tent wall in faraway Tarawa Atoll, a page of girl pictures which appeared in the LMAL Bulletin of Nov. 27-Dec. 3 are now "pin-ups" to a former Langley Laboratory employee, Frank L. Allen, who was with the Leathernecks when they wrested the island from the Japs.

Sergeant Allen previously had sent a Japanese ten yen note (equivalent to \$2.80 in American money) to Robert E. Mixson, head of the Reproduction Section, as a souvenir of the bloody Pacific battle. In a letter received by Mixson last week, Allen said:

"I'm happy to know that you received the Jap dough. Those bills do make a fairly nice souvenir, and I tried to spread them out as well as possible among my friends.

"I assume that your printing shop puts out the bulletin. If so, it's a good job, and I enjoy reading about the doings at the Lab very much.

"A recent issue of the Bulletin contained photos showing some girls that live in Ann Wythe Hall. That page is pinned on the wall of my tent. Stateside gals really look good to me after all these months....

"I like this camp very much for a number of reasons. It is as near to being America as I can expect without actually coming home, and that is out of the question."

Allen also points out in his letter that he is the company censor, "but can't censor my personal letters, so I'll have to cut this short." He says that "censoring the out-going mail for this gang keeps me humping throughout the day."

Expressing pleasure that "our task force has moved against the Marshalls," Allen indicates that they are going to be tough to clean out. Allen concludes with the request that Mixson "give my regards to those I know at the Lab..."

*Moll Requests Bulletins*

Ralph W. Moll of the Army Air Forces, a former Laboratory employee now stationed at Jefferson Barracks, Mo., writes: "I would like to know if it would be possible for me to obtain a subscription to the NACA Bulletin. I would certainly appreciate reading it again." (Editor's note: Ralph has been placed on the mailing list and Bulletins will be mailed to him each week).

*"Benny" Miller Writes*

Private Howard "Benny" Miller writes to say that he was transferred recently from Greensboro, N. C., to Freeman Field, Seymour, Ind., where he is "laying over" until there are some flying fields open. He says that Francis Kay, formerly of East Machine, has also left Greensboro for a "flexible gunnery" school. "Benny" enjoyed seeing the pictures in the Bulletin of the Apprentice graduates, many of whom he knows personally.

## AIR SHORTS...

**POST WAR:** NACA member William A. Burden says a national airport system of at least 6,000 airports is being planned to meet the present commercial demands now on file with the Civil Aeronautics Board as well as the anticipated increase in private flying when Uncle Sam's boys return home.

**A WRIGHT IDEA:** Dr. Orville Wright, another NACA member, has authorized the return of the Kitty Hawk airplane from England when war transport hazards are ended. It took a long time, but the valuable museum piece is finally coming home.

**LIGHTER-THAN-AIR:** NACA member Edward Warner, former Langley Laboratory employee, predicts little post war development in the lighter-than-air transportation field. He says developments in the airplane industry have been so rapid that the purpose of dirigibles--originally distance flying--has been removed.

**SKY TAXI:** It is planned after the war to turn New York department store roofs into airports where helicopters, affording a shuttle service to and from nearby airports for shoppers, may land and take off.

**"POWDER PUFF" PILOTS:** Mrs. Barbara Jayne, Mrs. Teddy Kenyon, and Miss Elizabeth H. Hooker are test pilots for Grumman. Miss Hooker, youngest of the trio, prefers the Hellcat of all the planes she has flown since she soloed at 15.

**HOLLYWOOD:** Douglas test pilot Michael Luft is married to film actress Lynn Bari.

**INFLUENCE:** Dr. Vannevar Bush, NACA member, says: "...The influence of the work of the NACA, although at present primarily concerned with fighting planes, is bound to play a large part in the air future."

**BONDS BUY BOMBERS**

**WANTED TO BUY:** A 35 mm candid camera. John Hagerman, Engineering Section, telephone 251.

## APPRENTICES GET MID-TERM EXAMS

The 161 employees who are enrolled in the winter term of the Apprentice school are rounding the half-way mark with mid-term exams this week. The current term will end on March 15 and the spring session will start on March 22.

In addition to the regular Apprentice school, the Apprentice Administration is also conducting several other classes in connection with Laboratory work.

### *Hedden Teaches Class*

C. Earle Hedden, of the State Department of Vocational Education for War Production Workers, is teaching a course in the best methods of instructing and procedure for the 25 shop instructors of the Apprentice Administration.

A new course has also been started for 15 of the new trainees in the East Machine Shop. The total period of instruction is 26 hours and the course covers NACA practices, methods, and procedures; basic shop principles; and blueprint reading. The instructors are T. Melvin Butler, Leo S. Burch, Archie K. Grow, and Earl L. Council l.

### *Hold Sunday Class*

The other new course is one in machine shop practices and is being given for the benefit of 20 Laboratory employees who have no knowledge of machine shop practices and limitations and whose work is of such a nature that they can not be spared during regular working hours for the instruction. The class is being given every other Sunday in the West Machine Shop from 8:30 a.m. until 5 p.m. It will run for six meetings and then followed by an advanced course. Marion B. Seyffert is the instructor and he is being assisted by William B. Mayo. Leo S. Burch is the substitute.

**BIG HOUSE:** The housing officer could make use of the flying boat Mars, which has the space of a 15-room house

## BOND RECORD

LMAL continued to lead all of the laboratories of the NACA in payroll bond allotments during the month of December.

The three laboratories and the Washington Office had a total of 4463 employees on the payroll with 4212 of the enrolled in payroll savings. Of the total monthly payroll of \$956,443.57, \$114,034.39 was allotted for bonds. The average percentage of employees participating was 94.37, and the percentage of the payroll subscribed was 11.92.

LMAL had the biggest percentage participation, 96.64; the Washington Office was second with 95.9; Ames close behind with 95.4; and AERL brought up the rear with 90.45.

The Langley Laboratory likewise led in the percentage subscribed with 13.31; The Washington Office was close behind with 13.01; and Ames and AERL had 11.0 and 10.29, respectively.

The folks in the Washington Office came through with the highest average subscription, \$30.18. Others were LMAL, \$27.75; AERL, \$26.07; and Ames, \$26.00.

**WANTED TO BUY:** A three or four man canoe. Dot Severance, Reproduction, telephone 206.

## ASK STAFF TO SEND FOLDER TO FRIENDS

A new folder, descriptive of work at the Laboratory, is coming off the presses this week and will be available to employees as a part of the recruiting campaign being conducted.

The folder is designed to be sent to friends of employees who might be interested in coming to work here. It is composed of three sections, printed on both sides.

The first section carries a space for the address to which it is being sent and space for a personal message from the employee. The center piece has a brief description of the NACA, its purpose, program, and needs. On the back, there is a picture of the 16' Wind Tunnel. The lower part of the card is a preliminary application form which will be detached by the person interested in employment and mailed back to the Laboratory.

The folders have been printed by the Reproduction Section.

They may be obtained from the Personnel Office and sent by the employees to their friends.



**CHECKING WAR LOAN RESULTS:** Joe Kotanchik (left), chairman of the Laboratory's Fourth War Loan Drive, checks the results thus far with his campaign lieutenants (from left): Percy Crain, Gordon Fisher, and Ira Abbott.

# LIFE AT THE LABORATORY

**AT THE RECEPTIONIST'S DESK:** Travelers during the past week have been Dr. George W. Lewis, Capt. Walter S. Diehl, and Charles Helms from Washington; Oscar Schey from AERL; and W. Kemble Johnson and Eastman Jacobs to Washington.

**HAPPY WIVES:** Dotsie McGehee, Employment, and Martha Willis Tamm, Apprentice Administration, are the happy girls right now. Dotsie's Chuck is home after spending several months in the Pacific with the Navy, and Martha has left the Lab for three months to be with her husband, an Army lieutenant, in Rhode Island.

**PARTYITES:** Walter Reiser gave a party at his home recently for Earl Warren....Bob and Frances Liddell held open house, or shall we say "open apartment", last Sunday for the gang at AWT....Gloria McDaniel entertained the Apprentice Administration office staff at a party last Thursday.

**WEDDING BELLES:** The Hampton Baptist Church was the scene of the culmination of two Laboratory romances last Saturday. June Pond and Tommy Weaver, both of IRL, became man and wife at 3 p.m. and Evelyn Dotson and Charles Folk, both of the West Machine Shop, took their vows at 5.

**HOSPITAL NOTES:** Clyde Thiele, boss of West Sheetmetal, became the father of a girl, Linda Lou by name, two weeks ago. The shock, or the idea of the hospital, impressed him so much that he went in for an appendectomy the following Thursday. Mother, daughter, and Clyde are doing nicely....Juanita Dinwiddie, W. A. Duplicating, has returned after a long illness...Lib Scott, Information Office, is back on the job after a spell of sickness, and Shirley Bartlett is expected back on the switchboard Monday.

**HAPPY BIRTHDAY:** The Warehouse Building hit the jackpot on Feb. 7 with three birthdays. "Monk" Jones, L Purchase and Everett Jones and Peggy Barber, Stock, were the lucky people. Peggy's luck ran high for the day as she received a diamond from Huyke Urrutia of Newport News.

**CHIT-CHAT:** The Warren Gilmans' household has been blessed with a blessed event---pups...Reproduction welcomes Doris King, of Hampton, a transfer from AERL....Elizabeth Budde, head of the Leave clerks, has left the Lab to devote more time to being a housewife....Shirley Stubbs, Stability Tunnel, is back again after several weeks' illness....Mart Norman, the new telephone operator, worked a week and then lost her voice. For a telephone operator, that's terrible; for a woman, it's disastrous.

**VISITS:** Eloise Lada, Apprentice Administration, has been called home to Grafton, W. Va., due to the serious illness of her mother....Mary Detwiler, Personnel, is spending two weeks in St. Louis and Nebraska with her husband who is on furlough....Maude Agnew, Apprentice Administration, has gone to New York to see her spouse, another Army man.

*DON'T LET IT WORRY YOU: If your efforts are criticized, you must have done something worthwhile, and you may earn something valuable; if your neighbor drives a better car than you do, that doesn't make your old car any the worse; if someone calls you a fool, go into silence--he may be right; if your competitor gets business by unscrupulous methods, he can't hold it that way; and if the world laughs at you, laugh right back--it's just as funny as you are.*

**GROWING PAINS:** The Langley Laboratory had five employees and one building 27 years ago.

There are only 272 shopping days until Christmas. Do your shopping early.

## ANNOUNCE WEEK'S SCHEDULE AT INDUSTRIAL USO CLUB

"The Falcon Takes Over", a popular movie featuring George Sanders and Lynn Bari, to be shown at 8 p.m. on Thursday, will highlight the coming week's events at the Industrial USO.

Other events are as follows:

Monday, 8 P.M., bridge

Tuesday, 8 p.m., girls meet for basketball at Langley View

Wednesday, 4:30 p.m., dancing class

Friday, 2 p.m., luncheon for swing shifters

### LAB EMPLOYEES COMPETE

#### IN PING PONG CONTEST

Five Laboratory employees, representing the Hampton Industrial USO, defeated a team from the Newport News Industrial USO in a ping pong match last Monday at the Newport News clubrooms.

The players and their scores were as follows:

Carl Kolbe, Tank, 21-13; 21-16

Jack Eason, P.R.L., 20-22; 21-9; 21-11

Everett Dunlap, I.R.L., 21-12; 21-12

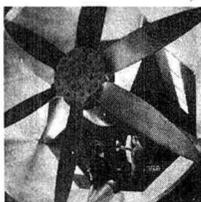
Leonard Damratowski, Tank; 21-12; 11-21; 21-9

Bob Stewart, D.M.S., 16-21; 13-21

In the doubles, Kolbe and Stewart won 22-20 and 11-0 and Eason and Dunlap triumphed 21-15; 15-21; 21-17.



# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 8, Vol. 3

Langley Field, Virginia, Feb. 19-25, 1944

Page 1

### TO TYPE BLOOD OF EMPLOYEES

Establishment of a file of available blood types will begin February 28 under the direction of Mrs. Verna Sears, head nurse of LMAL Dispensary. Acting in accordance with the many suggestions received, the Dispensary will thus make available to Laboratory personnel and their families a source of blood donors which, in emergency, can prove invaluable.

Each member of the staff will be given the opportunity of learning his blood type and offering his services as a potential blood donor.

Those employees volunteering as participants in the blood typing program may, at their discretion, be listed as blood donors, restricting their availability as such to Laboratory personnel and their families, or offering their services to the Dixie Hospital in Hampton, or both.

A maximum of twenty samples of blood will be taken each day by Mrs. Sears for typing and arrangements are being completed whereby following notification, each section will be visited in turn by the nurse and the blood samples will be obtained without the necessity of a time-consuming trek to the Dispensary by each employee.

**ADDRESSES WANTED:** The LMAL Bulletin wants more addresses of former Laboratory employees who are now in an armed service. We would like to send them a Bulletin each week.

## Orientation Effort Proves Successful

Latakia, something new has been added!

This might have been the appropriate comment of many employees over the Laboratory when they heard of the orientation program that was carried out last Saturday for the benefit of 20 new professional employees.

Realizing the need for new employees to have a better picture of life at the Laboratory and of the general nature of the work that is carried on here, administrative officials took the first step in making the new "feel at home".

### Two Hour Program

The program lasted for more than two hours, and started at one o'clock in the afternoon in the projection room in the Administration Building. George B. Colonna acted as master of ceremonies at the informal gathering and after a brief message of welcome, introduced E. H. Derring who explained the organization of the NACA as a whole and of LMAL in particular. H. J. E. Reid, Elton W. Miller, J. W. Crowley, Jr., Howard Morris, and T. Melvin Butler were also introduced.

Marvin Pitkin, of the Free-Flight Tunnel staff, gave a short talk on the accomplishments of the NACA and of his experiences at LMAL.

Roy Lange, Full-Scale Tunnel, made a talk, illustrated

by slides, on tests on drag which have been conducted in the Full-Scale Tunnel.

### Visits Four Activities

The group then left on a

tour of four research activities

(See page 6)

## ANGELUS EFANTIS KILLED IN ACCIDENT

Private Angelus C. Efantis, 23, of Washington, former Langley Laboratory employee, was one of seven United States soldiers killed Dec. 11 when an Army bus collided with a truck at Camp Hood, Texas. The men were returning from a war bond rally at Burnet, Texas, when the accident occurred.

A Hampton resident during his employment here, Efantis made frequent appearances on the Peninsula as a guitar player. He was graduated from Eastern High School in Washington in 1939, came to the Laboratory on April 14, 1941, and served as a sheetmetal worker in the Erection Shop and West Sheetmetal Shop until he resigned Dec. 31, 1942.

Efantis, a bugler in an antitank destroyer battalion at the time of his death, has a brother, James, who is stationed in England with the U. S. Army. He is survived by his parents, two sisters, and one other brother.



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Editor . . . . . H. Lee Dickinson  
 Managing Editor . . . . E. McKinley Hutton  
 Associate Editor . . . . Ruth Angel  
 Art Editor . . . . . Ben Vogel  
 Reporters . . . . . LMAL Employees

*A 'Thank You' Is Appreciated*

Morale is such a big, important thing; yet it is the little things by which it is nurtured and grows strong.

The importance of such a simple phrase as "thank you" for a job well done is shown in a recent communication from the Stock Section personnel, who want to publicly thank John V. Becker, head of the 16-foot high-speed wind tunnel, and George Brett, shop superintendent, for the "note of appreciation they sent us in thanks for our cooperation with their force during the cleaning out job on their tunnel."

"It is such small evidences of appreciation as this, expressed in a note, that make a person feel that he has done something satisfactorily for someone else and that, after all, his help is appreciated," the section said.

"If more such expressions of thanks, in word or note, were sent...upon completion of other vexing jobs, I am sure that Laboratory personnel would work with a better 'good-fellow' feeling on the job from day to day."

**HELPING HITLER**



**30 minutes casually wasted in 1 day by 1000 employees equal 10 weeks wasted by 1 employee.**

**CLEVELAND CLIPPINGS**

**BOND DRIVE:** AERL bond buyers are getting fancy wooden nameplates for desks if the purchase is at least \$50. Buyers in the \$25 class are getting tickets for a special "Stunt Night" show.

**NEW COMMITTEE:** Dick Maurer has been elected head of the NicNACA Committee (AERL Green Cow). Austin King was elected a member.

**CLEARING HOUSE:** A new service has been added for employees in the form of a clearing house for the dates of social functions.

**INCOME TAXES:** A special consulting service is being offered to employees to facilitate filing of returns.

**LOBBY LINES:** John Hanks, Dr. K. F. Rubert, and J. G. Iowry of LMAL were recent visitors.

**ATTENTION RIFLEMEN:** More help is needed in building the range.

**BASKETEERS:** The NACA team was glorious even in defeat by the team from the Cleveland Naval Training Station.

*DELINQUENT LIST GROWING, NACA EXCHANGE REPORTS*

Added work and expense is being placed on the NACA Exchange because of a growing list of delinquent accounts, it was announced by officials.

"If we do not meet with a more favorable response in the payment of lunch accounts, we may be forced to abandon the credit system," it was pointed out.

*SEEKS BETTER COOPERATION FOR CLEANER LABORATORY*

Fred D. Parrish, treasurer of the NACA Janitor's Relief Association, requests that Laboratory employees keep unnecessary equipment and personal property off the floors of offices and shops in order that the janitors and charwomen will be better able to maintain a cleaner laboratory.

**MEETING:** The NACA Janitor's Relief Club holds its monthly meeting Sunday, Feb. 20, at the Masonic Hall, Hampton.

# Research Will Win

NACA is well represented in the March issue of "Air Trails", a pictorial magazine featuring various phases of aeronautics. Included in the publication is an article, "Research Wins Wars", by H.M. Conway; an article on "The Laminar-Flow Wing", by Andrew R. Boone, and a model airplane article by Dick Everett, on "Helicopter Possibilities".

## Article Illustrated

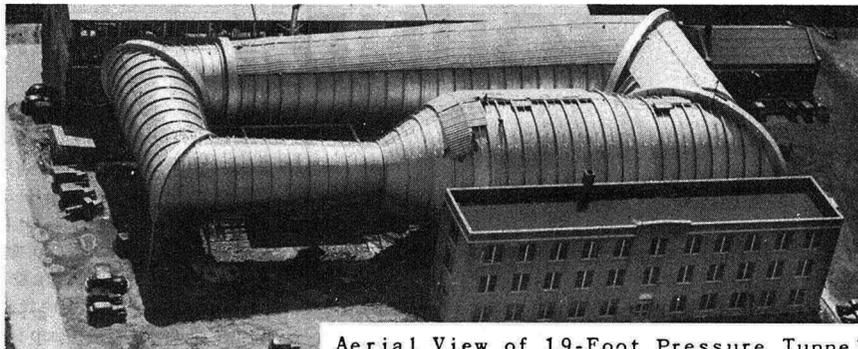
Conway's article, illustrated with pictures of the 19-foot Pressure Tunnel and the Free-Flight Tunnel, explains the importance of aeronautical research in the successful conduct of the war. "Boeing Flying Fortresses, Grumman Hellcats and North American Mustangs are a few of the airplanes, in the development of which, the NACA played a vital part and which now are blasting enemy ground, sea and air forces with spectacular success", he wrote.

Conway points out that the NACA works hand in hand with the Army, Navy, and aircraft industry "from the time it becomes strategically necessary or desirable to build an airplane of new design, either to meet a new development of the enemy or to provide an airplane particularly adapted to a certain kind of warfare anticipated by the High Command.."

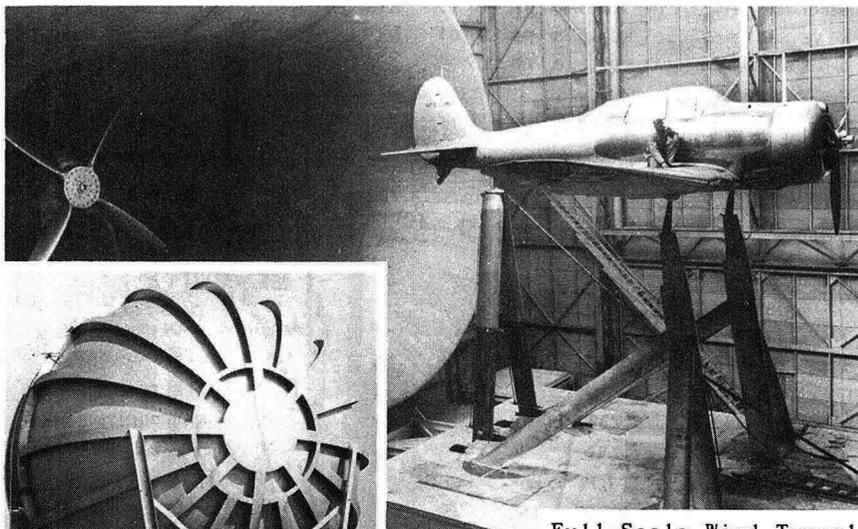
## Describes Wind Tunnels

Many of the wind tunnels and laboratories of the Langley Laboratory are described in the article.

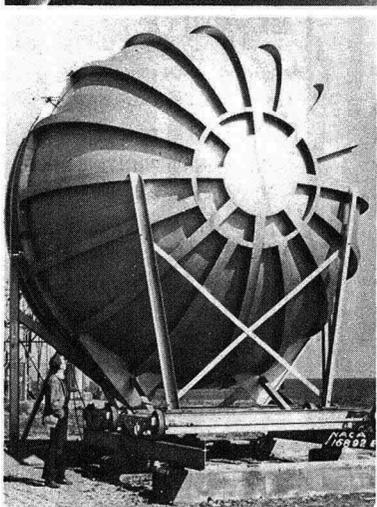
In the article concerning the laminar-flow wing, some of the history of the development of the wing is related and the author points out that the North American Aircraft Company engineers "are delighted to give full credit to the NACA for its original research which made a practical application of the laminar flow theory possible" on the Mustang fighter airplane.



Aerial View of 19-Foot Pressure Tunnel



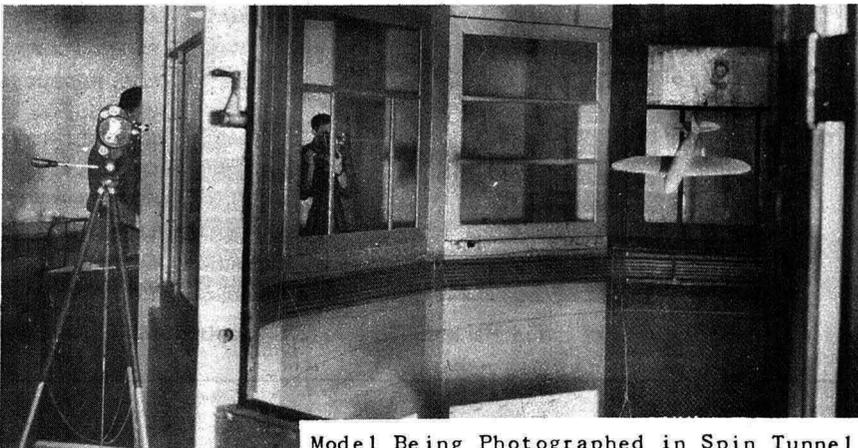
Full-Scale Wind Tunnel



Vacuum Sphere



Ready for Test Flight



Model Being Photographed in Spin Tunnel

# FOUND...

A number of lost articles have been found at the Laboratory, recently. The owners may obtain them by calling in person at the LMAL Bulletin Office in the Administration Building.

The articles include: A string of pearls; Sheaffer automatic pencil; a pair of keys; a single key; a pair of men's black gloves; a pair of

women's brown gloves; one man's brown right-hand glove; one man's tan right-hand glove; one pair of men's work pants; one woman's green kerchief.

We also have been informed that an NACA employee lost a fountain pen at the Wythe branch of the Bank of Hampton Roads and may obtain it by calling at the bank and identifying the article.

# EMPLOYEES HAVE PARTS IN PLAY

Laboratory employees comprise the majority of those in the cast and on the staff of the Hampton Little Theater's presentation of "Twin Beds", a farce in three acts by Margaret Mayo and Salisbury Field. The drama will be offered at 8:15 p.m. Feb. 24 and 25 at the Hampton High School auditorium.

Characters include Jane Goodwin as Blanche Hawkins; Evan Schuette, Structures Research, as Harry Hawkins; Seymour Bogdonoff, Air-Flow Research, as Signor Monti; Mrs. John D. Williams, as Signora Monti; Anne Cock, Propeller Research, as Amanda Larkin; Crickett Burr, as Andrew Larkin; and Mrs. M. E. Farster, as Norah the maid.

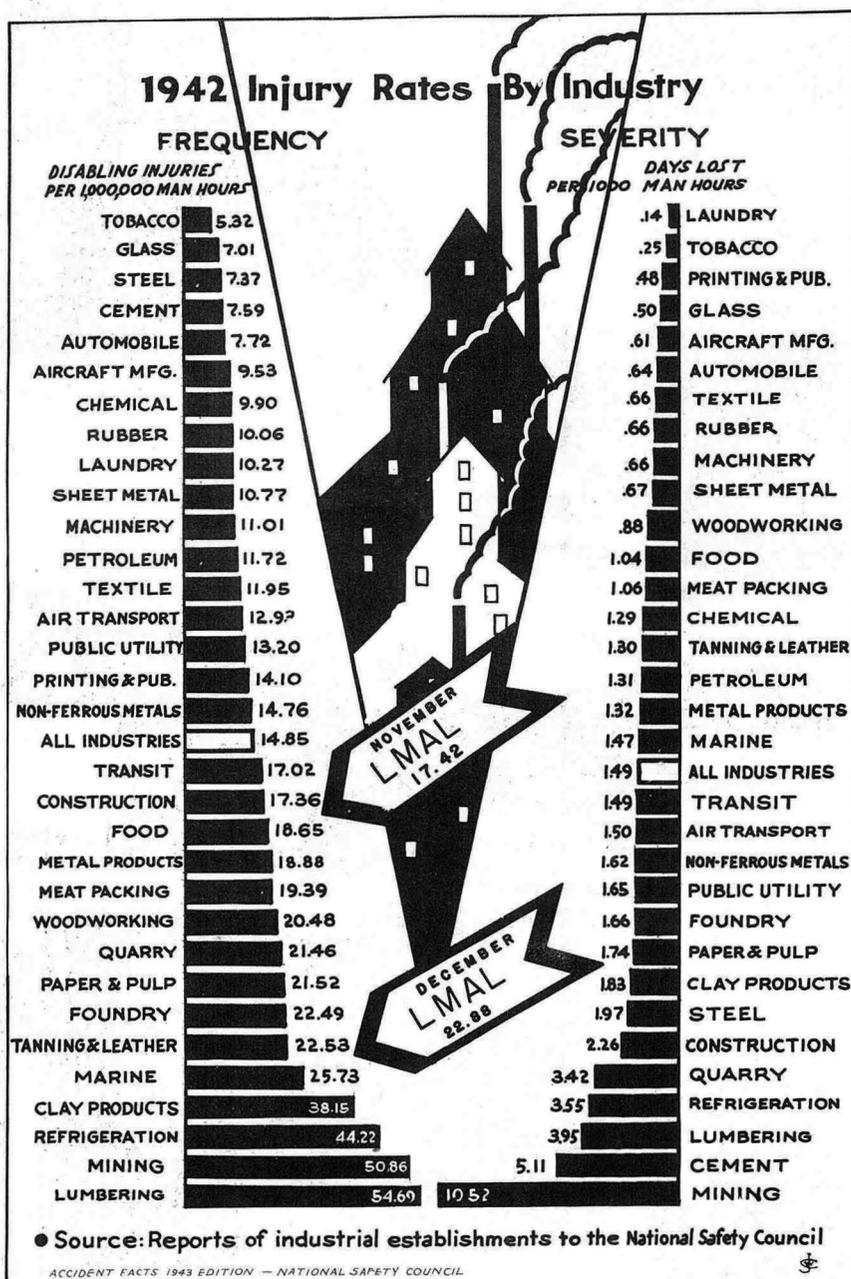
Stage crew of the play, built around the difficulties of three couples living in a fashionable apartment house where most of the neighbors, desirable and undesirable, are always underfoot, includes E. McKinley Hutton, Bulletin Office; Wilhelmina Strowd, and Carroll Christensen, Engineering Section; Douglas King, Tank; B. B. Klawans, Flight Research; Jack Irwin, Air-Flow Research, and Margaret Price.

J. S. Darling is the play's producer. Other officials include Mrs. A. F. Colonna, business manager; William Cullen, Director; John B. Parkinson, Tank, assistant director; M. Viola Ohler, Editorial Office, publicity director, and David Goldenbaum, Tank, stage manager.

## ANNUAL LEAVE ALLOWANCE FOR NEW EMPLOYEES CITED

New employees who enter on duty at the Laboratory after the beginning of a calendar year will be allowed annual leave at the rate of 20 days of leave for a full year of service.

For example, an employee entering on duty July 1 will be allowed 10 days annual leave for the remainder of the calendar year. Other annual leave earned during this period will be accumulated.



## TO AID WORKERS WITH TAX FORMS

A special consulting service on the preparation of income tax forms has been provided by the Laboratory to assist employees in filing their returns. Eleven employees have been especially trained for this service.

James J. Kelly, Jr., of the Washington Office, conducted a class for these eleven employees for two days last week. They have been taught how to deal with the more frequent problems that arise in filling out the forms.

### Provide Questionnaire

In addition to the regular tax form, employees have been provided with a special questionnaire which will simplify the work of the special consultants.

J. W. Chalk, deputy collector of the Bureau of Internal Revenue for the state of Virginia, will be at the Laboratory today (Feb. 19) to answer questions of employees whose individual problems re-

quire the advice of someone fully versed in all phases of tax laws.

### Locations Listed

The consultants and their locations in the Laboratory are as follows: Audrey Campbell, Editorial Office; Eleanore McKinstry, AWT; Christine Reynolds, Payroll; Arthur Samet, Fiscal; Texie Belle Felts, Full-Scale; Dorothy Manbeck, Stability Analysis; Sara Lou Bullock, East Area Computers; Ann Deimel, Flight Research Office; Doda Mae Smith, Stability Tunnel; Shirley Riley, Structures; and Catherine Turner, Construction.

★ ★ ★

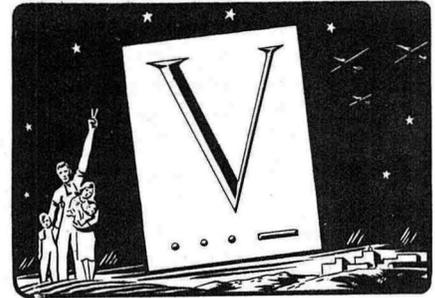
**CORRECTION:** In the Nov. 20-26 issue of the Bulletin, it was erroneously reported that Blanche Sponsler was the head of the West Area Computing Section. It was intended to say that Miss Sponsler was assistant to the section head, Marjorie Hannah.

## HUTTON TO HEAD RED CROSS DRIVE

Tiny Hutton has been selected to head the Laboratory's campaign in the Red Cross War Fund Drive which starts on a nationwide scale March 1.

Hutton announced that the Laboratory's campaign would start on March 1 and extend through March 7. Lucy Bainbridge, Virginia Tucker, and Catherine Turner will assist in the drive. Complete plans are now being formulated and solicitors are being chosen.

★ ★ ★



**HOUSEWARMING:** David U. Ullman and his recent bride, the former Carolyn Wensink of Wausatosa, Wisconsin, entertained the Photo Lab's social club, "The Hoi's Hummers", at a "housewarming" party at their new home in Copeland Park last week. Harry "Honest Abe" Hamilton, on behalf of the club, presented Mr. and Mrs. Ullman (top left) with a war bond purchased during the Laboratory's Fourth War Loan Drive. Twenty-five persons attended the affair and enjoyed dancing, movies, and refreshments. Lane Atkinson (top right) is filling the cup that cheers from a rig described as "the pipeline from Milwaukee". Mary Grissom (right) presides at the music box during a dancing session.

(Photos by Donald Foster).



# Life At The Laboratory

**A JOB WELL DONE:** Harry G. Downs of 190 LaSalle Avenue, who retired on Jan. 10, 1944, after nearly 24 years of service with the NACA, was honored at a banquet Wednesday night, Feb. 16, in the East Area Cafeteria. A wrist watch, the gift of a group of long-time employees of LMAL who were among Downs' many friends here, was presented by H. J. E. Reid, Engineer-in-Charge. Downs was the head of the Machine Shop at the Ames Aeronautical Laboratory at Moffett Field, Calif., at the time of his retirement. He was the head of the East Machine Shop here before going to AAL. E. J. Shave acted as toastmaster at the banquet. Among those attending was Arthur Freeman, formerly of LMAL and now of AAL.

**STATISTICS REVERSED:** Jack Runckel, who attended a Washington Office party in the Capital City with Nick Mastracola and Hank Fedziuk, doesn't take much stock in the report that the war boom has resulted in a ratio of ten women to every man in Washington. Runckel, after a series of futile attempts at playing the "big, bad wolf of Washington", says the statisticians had the figures reversed.

**WHO WOULDN'T?** A notice on the East Area Cafeteria bulletin board says: "Will provide daily care in private residence for working mother's daughter under 24 years of age".

**MISCELLANY:** Jewell Whatley and Dr. C. N. Warfield, Aircraft Loads, are back at work after illnesses....W. G. Walker, who recently completed his 18th year with LMAL, is ill....Eddie Hunt, Hangar, is entering his 16th year here...Evelyn Renfrow, Engineering, is showing signs of life. Her Charlie is back from Oklahoma....Hazel Philyaw, 19-foot Tunnel, is wearing a diamond received from Lieut. Walter Stroud, Fort Monroe...Old man illness has a spell over Buck Barber, LW Purchase, Peggy Barber and Lillian Roberts, Stockroom...Friends are wondering how Bernie Daley, 24-inch Tunnel, acquired that black eye.

## ORIENTATION

(From page 1)

ties. The Full-Scale Tunnel was the first place visited. Dick Dingeldien guided the group through the labyrinths and explained the operation of the tunnel.

Joe Shortal demonstrated the workings of the Free-Flight Tunnel and the new employees watched a model in flight in the tunnel.

John Parkinson and John Dawson took charge at Hydrodynamics. In Tank No. 1, the group watched the towing carriage in operation with a pontoon attached and in Tank No. 2 they were shown a sample of ditching tests.

### High Spot Of Tour

The Hangar was really the high spot of the tour. Bill Gray took over the guide duties and as the group descended the stairs, there were several re-

**TOOL CRIB:** The West Area Stock Section has installed a small tool crib containing miscellaneous tools such as are constantly needed on jobs in the various sections. Tools already received are available for short loans.

**LOST:** Black notebook, 2 1/2 by 3 inches; by Robert W. Fitzgerald, representative of Consolidated-Vultee Aircraft Company; contains Fitzgerald's name and address and NACA gate pass. Please return to Receptionist.

marks about "real airplanes".

The comments of the trial group were very favorable, and they expressed a belief that such a program would be very helpful to all new employees.

Plans are being made now to test the idea again on another similar group in the near future and to plan a similar program for sub-professional and clerical workers.



Mr. Downs (left) receives gift from Mr. Reid

## WAR LOAN TOTAL NOW \$50,407.75

The Laboratory campaign in the Fourth War Loan is becoming more and more of a success each day as the cash purchases of bonds continue to mount. The total was \$50,407.75 on Wednesday of this past week.

A total of 1022 bonds have been issued to 915 employees of the Laboratory.

This has put the Laboratory way ahead of the cash quota of \$35,000 which was set for the drive.

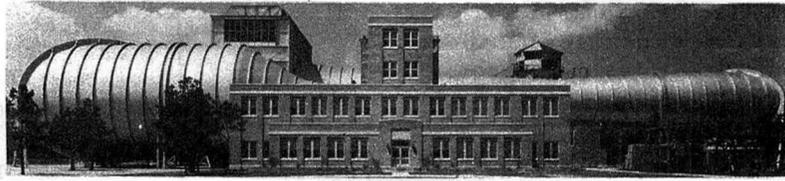
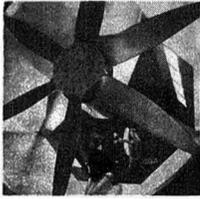
Complete final returns will not be available until early in March, when the payroll allotments for February can be counted in. The Bond Office will be open for cash sales every day from 8:15 a.m. until 4:45 p.m. All bonds purchased between now and the last of the month will be counted on the Laboratory's total for the drive.

### YOUNG GIRL SAVES PENNIES TO PURCHASE WAR BONDS

Instead of buying candy, ice cream and other sweets which children are partial to, Nancy Jane Insley 4-year-old daughter of C. H. Insley, carpenter shop, saves her spending money to buy war bonds.

The other day the young Messick resident sent 1,703 pennies and some other change to the Laboratory's bond office for the purchase of a \$25 war savings bond. Previously she had bought a \$25 bond with some dimes she saved.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 9, Vol. 3

Langley Field, Virginia, Feb. 26-March 3, 1944

Page 1

### **SOFTBALL LEAGUE selective service CAGE SEASON** **MAKES '44 PLANS asks cooperation HERE BEGINS**

Preliminary organization plans for the 1944 Laboratory men's softball league have been completed, according to Si Diskin of Structures Research, newly-elected chairman. Other permanent officers include Ben Johnson, Low Turbulence Section, secretary, and Jerry Teplitz, 19-foot Tunnel, sergeant-at-arms.

A committee comprised of Diskin, Everett Daniels, 8-foot Tunnel, and Paul Marchal, Engineering Section, was appointed to investigate the possibility of using fields located at Darling Memorial Park, Armstrong School, Wythe Junior High School, and a field adjoining AmWythe Hall.

Also named was a cost committee to study the establishment of an entrance fee for teams, Teplitz and James Read, Engineering Section; a publicity committee, Sid Batterson, Diskin, Johnson, and Frank Read, Engineering Section; a committee to formulate aims of

(See page 2)

The Laboratory requests that all draft-eligible men furnish promptly to the LMAL Selective Service office (Technical Service Building, telephone 368) any information that comes to them concerning (1) reclassification, (2) orders for preinduction physical examination, (3) notices of reclassification, (4) orders for induction, or (5) other matters that affect their Selective Service status.

Further, to prevent charges of delinquency by local boards, LMAL draft-eligible men should keep their local boards fully and promptly informed as to changes (1) in their local addresses; (2) in their marital status, including the birth of children; and (3) in other matters in which Selective Service is concerned.

This information is needed under Selective Service Regulations, if LMAL is to do all that it can and should to retain essential workers.

Plans for the LMAL Basketball League have been completed, it was announced by a committee of league representatives, including Pete Korycinski, chairman; Blake W. Corson, Jr., Hank Fedziuk and Bill Craig.

The committee in company with George B. Colonna met with the Elizabeth City County school board and obtained use of the Wythe Junior High School gym for two nights each week. Frank Long, head of the Hampton Industrial USO, obtained for the league the use of the Langley View School gym.

The league got under way Feb. 23 at Langley View. Each game started off with a bang and a fast and furious pace was maintained for about three minutes of the first quarter. After that impressive three-minute spurt, however, the players, heaving and panting like tired locomotives, settled down to less furious play.

In the first game, 16-foot Tunnel defeated Structures, 16 to 12. PRT and 8-foot Tunnel tangled in the second game which had more than a touch of football in it. The powerful 8-foot team garnered 27 points to PRT's 11, with Hank Fedziuk high scorer with 13 points. The final game between FRM and Tank was unbelievable. Despite their energetic efforts, the game ended with a 6-6 tie. In a five-minute overtime period neither team scored. The game

(See page 2)

### **OFFICERS CONFER WITH REID**

Colonel Jarvis Butler and Lieutenant-Colonel J. H. Belknap, representing the Joint Army-Navy Aeronautical Board, visited LMAL Wednesday, February 23, to confer with H. J. E. Reid, Engineer-in-Charge, regarding the Army and Navy's plan for the continuance of essential Army-Navy work with present employees of the NACA. The full plans are now being developed and will be released within a few days, either by an extra edition of the Bulletin or by memorandum to the staff and through the local press.



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*Let's Be 100 Percent On The Home Front*

John F. Victory, Secretary of the NACA, requests in a communication that LMAL make a concerted effort to subscribe 100 percent to the payroll allotment plan for war savings bonds. A check with the bond office shows that there were 86 non-contributors on a payroll of approximately 2,350 as of Jan. 16-31. Mr. Victory says:

"Every loyal American, of course, wants to do his part to help win the war. The Government at this time is asking for help from those on the home front in the form of war bond purchases. There undoubtedly are some employees who simply cannot afford to subscribe their full quotas. The decision in the matter by each employee is fully respected. The Government, however, needs support from all of its citizens, and no subscription is too small.

"The NACA is anxious to have every one of its employees participate, for not only does every little bit help, but the smallest subscription helps as much as the largest in reaching the goal of 100 percent participation. Appeal is therefore made to those who have not yet subscribed to re-examine their problem if they can, by making some sacrifice if necessary, subscribe something, even though they honestly cannot subscribe their full quota.

"By helping our country at this time, we are also helping ourselves. So, in the long run it is no sacrifice. We not only want to make the quota but we want above all to present a united front with every employee enrolled."

*A Note About Telephones*

A Laboratory employee, in calling attention to a lack of telephone etiquette displayed by many employees here, suggests that persons answering a telephone always identify themselves and their section or office; and be prepared to give thorough, definite answers to questions.

A suggestion is also made that employees consider the importance of their calls before placing them. The telephone system is being burdened with an increasing number of calls each day and it is possible that many of them could be avoided by substituting a brief memorandum to convey the message desired.

**BASKETBALL**

(From page 1)

was finally won in the second overtime period when Lindell made a basket and FRM won, 8 to 6.

The league is composed of nine teams: PRT, Structures,

8-foot Tunnel, IRL, Tank, AFR, FRM, Engineering, and 16-foot Tunnel.

The feminine side of basketball is represented by the PRT and 16-foot Tunnel girls' teams. They use the Langley View gym on Tuesday nights.

**LIBRARY NEWS**

The following Library books are available for charging out:

Hurt, H. H. The College Blue Book.

National Fire Protection Association. National Fire Codes for Extinguishing and Alarm Equipment. Compiled by Robert S. Moulton.

Freberg & Kemler. Elements of Mechanical Vibration. Allen, Roy M. The Microscope in Elementary Cast Iron Metallurgy.

Prandtl & Betz. Vier Abhandlungen zur Hydrodynamik und Aerodynamik.

Management Review (issued monthly).

Bulletins of the American Management Association, including Office Management Series, Production Series, Insurance Series.

Webster's Dictionary of Synonyms.

Steeds, W. Engineering Materials, Machine Tools, and Processes.

Thompson, J. E. Manual for Aircraft Hydraulics.

Now on file and available for limited loan are the following magazines on personnel administration:

Personnel (issued bi-monthly).

Factory.

It is believed that these magazines will be of considerable reference value to various staff members who are confronted with problems of personnel management.

LOST: The following library material: 629.142, D93, v. 3, copy 4, Aerodynamic Theory by W. F. Durand, 1934; please return to library if found.



# Life At The Laboratory

**CELEBRATION:** The Club Chippy Dale enjoyed a meeting and buffet supper recently in celebration of the birthday of one of its members, "Pudgy" Parmenter.

**THANKS:** Tommy King's mother sends her sincere thanks to the Laboratory for the flowers, favors and best wishes extended to the family during Tommy's critical illness. Tommy, injured in an accident at the Laboratory several weeks ago, is reported at the Norfolk Marine Hospital as showing much improvement.

**ROMANCE:** Two redheads at the Laboratory became engaged during the past week. They were Charles V. Bennett, Free-Flight Tunnel, and Mary Noble Angel, Engineering Section. It all happened on Mary's birthday--Feb. 21.

**MISCELLANY:** Margaret Corbett, Stability, is back at work after two weeks' illness....Dot Severance, Illustration, is getting excited over her trip to New York and West Point. Who wouldn't be, with six plays to see and two dates.

**PARTY TIME:** The Instrument Service Section frolicked last week at the first of a series of monthly parties to be sponsored by the group's Fun Club. The affair was held at the Hampton Odd Fellows Club, where refreshments and dancing were enjoyed. Charles Shobe made it a double celebration. It was his 19th anniversary of service with the NACA. On the Fun Club committee are Hazel Calloway, Alma Betts and Pat Mueller.

**THE FORMULA CHAMP:** Warren Gilman is playing nursemaid to a litter of pups at his house since the mother canine was taken to the dog hospital. He had a little trouble with the formula at first, but is reported now to be quite an expert.

**HE WAS RIBBED:** J. J. Lankes, assuming the attitude of an "absent-minded professor", reported to work the other day with unmated shoes and bore the brunt of the Illustrators' ribbing all day.

## TECHNICAL SERVICE CLUB FETES APPRENTICE GRADUATES

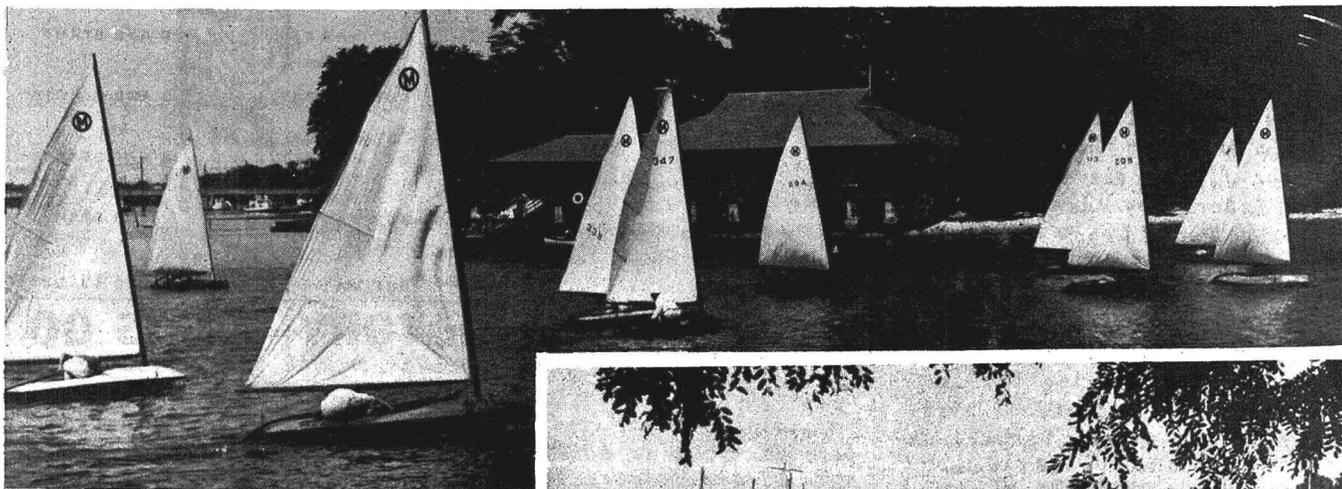
The Supervisors' Club of the Technical Service Division gave a party for LMAL graduate apprentices at Oak Point camp on February, 20.

Those present also included various members of the Research and Administrative Departments.

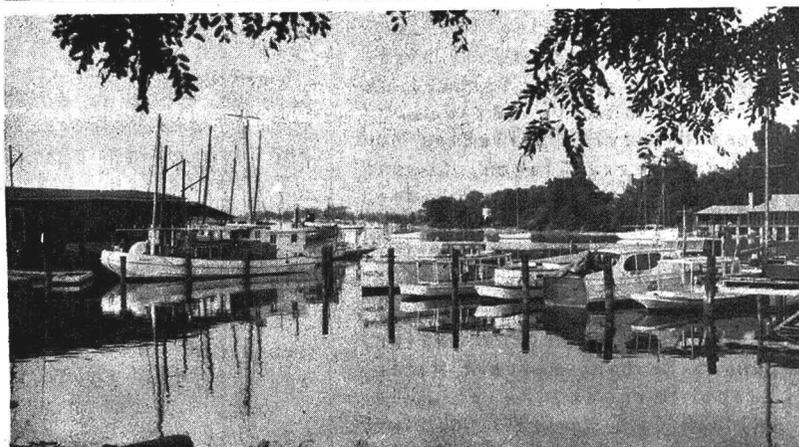
Although inclement weather handicapped outdoor activities, a very enjoyable time was had indoors by all, playing games, solo dancing to the accompaniment of Tom Hulcher's accordion and witnessing a feature tumbling act by Leigh Lewis and Harry Shoaf (Harry Shoaf was on the bottom). Those who did not participate in any of the games found great pleasure in just looking on or reminiscing before the big fireplace.

A special sea food dinner was served, consisting of fried trout, steamed crabs, clam cnowder, french fried potatoes, oysters.

**NEW NUMBERS:** Pass Office at entrance to West Area, 390; Counselor-to-Women, 226; Fluid and Gas Dynamic Analysis Section in old VDT office, 248.



*Harbinger  
Of Spring--  
Hampton River*



# Service

## Notes...

The Bulletin is really getting around now as its service men's mailing list expands....The paper goes to the South Pacific, England, and all over the United States.... A Bulletin sent last week to Private James T. Smoot at Lawson Field, Fort Benning, Ga., was returned with a notation on the envelope: "Deceased--return to sender." The date and circumstances surrounding Smoot's death were not available. He worked at the Laboratory during the first four months of 1943, serving as an under aircraft woodworker in the Two-Dimensional Tunnel. He was 20 years of age and lived at Fox Hill while employed at LMAL....Aviation Student Stanley P. Shapiro writes that he has successfully completed his training for appointment as an aviation cadet and has been transferred from Miami to Middle Georgia College at Cochran for five months of college training preparatory to entering pre-flight school. "Being in the Air Force, I can really appreciate the work I did while at NACA, for I hope soon to be flying the planes that the Laboratory has tested and improved; and I know our planes are the best", Stanley says. He sends his regards to all the fellows in the East Machine Shop, where he formerly worked....Any one knowing the correct service address of Stanley Colsom please forward it to the Bulletin Office.... Those receiving Bulletins now include Harry Clason, Eugene Snyder, Doug Hill, Vincent Colosimo, Stanley Shapiro, Frank Allen, W. E. Owen, Jr., David Crump, John Kaufman, Karl Birkel, Donn Schaff, Viggo Dereng, George Sadler, Edward Reuben, Herbert Mills, Bruce Largent, Ralph Moll, William Guy, Howard B. Miller, and Harold Raymond Long.

# USO NEWS

**BRIDGE CLUB:** Bruce Amole, Tank, is the president of the Hampton Industrial USO's contract bridge club which plays there each Monday night. Andrew M. Myers, Construction, is vice president, and Manuel Stein, Structures Research, is secretary-treasurer....Those interested in playing bridge may become members by making application to Amole or one of the other officers.

**PING PONG:** The Hampton USO ping pongers topped the Newport News center during the past week. Carl Kolbe, Hydrodynamics, beat Phaup; Everette Dunlap, IRL, whipped Karam; Bob Stewart, Dynamic Model Shop, defeated Folger; Leonard Damratowski, Tank, lost to Inman; and Fred Waller, Apprentice, bested Chalmers in the singles....Doubles winners were Damratowski and Dunlap over Inman and Folger; and Stewart and Kolbe over Phaup and Karam.

**SPACE ADDED:** The second floor of the Industrial USO has been remodeled and is now available for parties and meetings. Leigh Lewis, Apprentice Administration, says any group wishing to make use of the quarters may communicate with him and he will arrange to reserve it at the time requested.

**JUST A THOUGHT:** Don't forget to patronize your Industrial USO...It was established for your pleasure.

# SOFTBALL

(From page 1)

the league. Diskin, Batterson, and Teplitz.

Other organization steps taken: Appointment of Frank Read to investigate possibility of obtaining non-playing umpires; suggestion that all teams using a uniform turn in the desired color scheme to avoid duplication; decision to have the league purchase bats and balls to be issued to teams at beginning of games; appointment of Jack Posner, Tank, to acquire official rule books for each team; recommendation that each player subscribe to hospital insurance.

Any one desiring to serve as umpires and official scorers or any employee who would like to play softball and is not now a member of a team may send their names to the Bulletin Office.

The next league meeting will be March 2 at 7:30 p.m. at the Industrial USO. All new teams are requested to send a representative to this meeting.

BUY WAR SAVINGS BONDS AND STAMPS



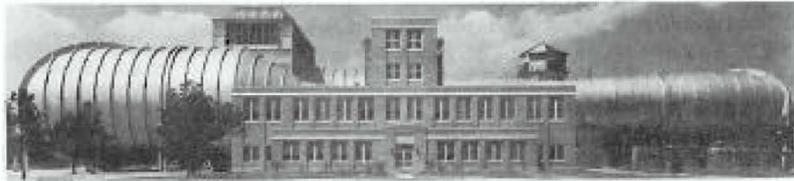
## RECRUIT FOR VICTORY-- LET'S GO

The Laboratory is distributing with this issue of the Bulletin several postcard folders for use by the employees in aiding LMAL in its present campaign to recruit additional personnel. It is hoped that each employee will send one or more of the folders to a friend who might be interested in employment at the Langley Laboratory.

The folder is in three sections. One section includes space for an address on one side and for a personal message on the reverse side. The middle section contains a picture of the 16-foot High-Speed Wind Tunnel and a description of the Laboratory and the NACA and of the personnel needs here. The third section has a return address and a questionnaire which may be sent back to the Laboratory by the person receiving the folder.

Any one desiring additional folders may obtain them by calling the Bulletin Office, 376.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 10, Vol. 3

Langley Field, Virginia, February 29, 1944

Page 1

### ANNOUNCE ARMY-NAVY PLAN REGARDING ESSENTIAL DRAFT ELIGIBLE EMPLOYEES

H. J. E. Reid, Engineer-in-Charge, today announced a plan of the War and Navy Departments by which draft eligible personnel of the Langley Laboratory who hold essential jobs may be approved for inactive reserve status in the Army Air Corps and returned to their duties at LMAL.

The plan, known as the Joint Army-Navy NACA Plan, is similar to that used last year in the case of the Civilian Flying Training Schools under contract to the Army Air Forces. The plan as approved by the President is a result of joint action by the War and Navy Departments and was made necessary by an insufficiency of qualified personnel to carry on aeronautical research for the Army and Navy.

Mr. Reid explained that as each essential employee of the Laboratory is called for induction into military service, he will be given a letter for delivery at the induction sta-

tion. That letter, which will be prepared at the Laboratory, will indicate the procedure for inducting and placing in the Air Corps Enlisted Reserve (ACER) those essential employees who are inducted into military service under the Selective Service System. When such employees are placed in the ACER, they will return to duty at the Laboratory.

After the plan goes into effect, it will supersede the present replacement schedule system which calls for occupational deferments. Deferments on other grounds will not be affected by the plan. Under the plan, each essential employee who is inducted and placed in the ACER will remain on his job at the Laboratory for so long as the Army and Navy deem it expedient for the welfare of the nation.

Mr. Reid announced that further details regarding the plan will be explained within a few days to those persons affected.

### RED CROSS CAMPAIGN BEGINS HERE MARCH 1

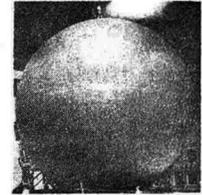
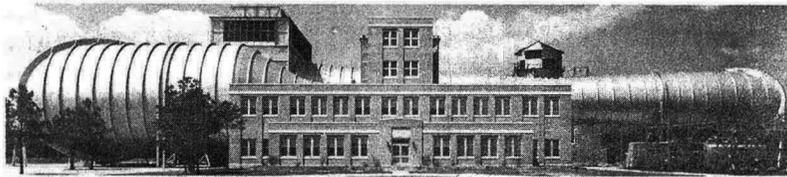
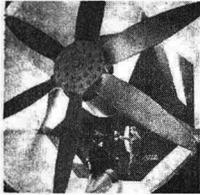
Solicitors in the Laboratory's Red Cross War Fund Drive will begin canvassing the various offices and sections March 1 and continue through March 7 in an effort to reach the LMAL campaign quota of

\$3,000.

Tiny Hutton is heading the drive. He is being assisted by Lucy Bainbridge, Virginia Tucker, and Katherine Turner and a corps of selected solicitors. Last year's collections to-

talled \$2,001.25. There are approximately 2,500 employees on roll now, 700 more than in March 1943, and officials expressed their confidence that the drive will be successful.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 11, Vol. 3

Langley Field, Virginia, March 4-10, 1944

Page 1

### LIST SPEAKER FOR ENGINEERS MEET MARCH 9

Dr. L. B. Tuckerman of the National Bureau of Standards will address the Engineers Club of the Virginia peninsula at 8 p.m. March 9, in the Sunday School auditorium of the Central Methodist Church in Hampton on the subject "Mathematics As She Are Taught".

Dr. Tuckerman has been associated with the Bureau of Standards since shortly after World War I. As a member of the various technical committees of the NACA, he has contributed greatly to the work of the NACA.

Dr. Tuckerman has written over 60 technical papers. He is a man who delved deeply in his researches and very effectively presents the results. He has a reputation as an engineer-physicist able to deal with a wide variety of technical problems. His recent researches into how mathematics is taught has led him to prepare an illustrated lecture on the subject. His topic suggests the somewhat unconventional nature of his discussion.

Due to the seating capacity of the auditorium, only a limited number of persons, other than club members, can be accommodated. Members of the technical staff of LMAL who wish to attend this lecture may obtain tickets as long as available from Ira Abbott, phone 360 or Eugene Lundquist, 284.

### RED CROSS DRIVE NETS \$586 FIRST TWO DAYS

The Laboratory's Red Cross War Fund Drive got under way March 1 and indications are that the \$3,000 quota will be exceeded before the campaign closes on March 7. A total of \$586.50 was collected by solicitors March 1 and 2, including \$444.50 the first day and \$142 the second. There were \$219 collected in the West Area, \$193 in the Full Scale Tunnel Area and \$174.50 in the Administrative Building Area.

Final preparations for the campaign were made on Tuesday afternoon when all of the solicitors attended a group meeting in the projection room of the Administration Building. P. Warren Spratley, chairman of the Elizabeth City County chapter of the Red Cross, gave a talk on the history of the worldwide organization and outlined its present needs.

Mr. Spratley pointed that while the Red Cross is generally thought to be a governmental organization it has no official connection with the government and receives no government subsidy. All of the funds for its operation come from the contributions of individuals. He also stated that three-fourths of the total amount needed would go directly to the support of the armed forces.

The three area chairmen and their assistants for the drive are Lucy Bainbridge and Glenda Ellison in the Administrative Building area, Catherine Turner and Ruth Smith in the West Area, and Virginia Tucker and Dot Young in the Full-Scale Tunnel Area.

### PROVIDE TWO NEW SERVICES

Two new services have been provided for employees recently in the establishment of a pass office at the West Gate and the combining of the housing, rationing, and ride-sharing services in one office.

The new pass office is located in the construction shack of the Virginia Engineering Company and the pass officer is Earl J. Holloway. He may be reached by telephone 390. The purpose of the office is to facilitate the handling of passes for contractors and their employees and to issue temporary badges to Laboratory employees who have forgotten their badges. The office is open from 7:30 a.m. until 4 p.m.

The new housing and transportation office is located in room 201 of the Administration Building. All inquiries regarding housing, gasoline, tire, and shoe rationing, ride-sharing, and NACA license tags should be directed to this office. The office may be contacted by telephone 377 or 381.



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor . . . . . H. Lee Dickinson  
 Managing Editor . . . . E. McKinley Hutton  
 Associate Editor . . . . Ruth Angel  
 Art Editor . . . . . Ben Vogel  
 Reporters . . . . . LMAL Employees

*This Story Has A Moral*

H. J. E. Reid, Engineer-in-Charge, entered one of the Laboratory buildings and began a casual conversation with an employee seated at a table near the door. "What is your job here?" Mr. Reid asked.

"Oh, I'm checking to see that every one who enters this building is wearing a badge", the fellow explained. Then his face reddened. He remembered too late that his badge was pinned on his overcoat hanging several feet away in a locker.

The moral of this story is that too many of us are minimizing the importance of wearing our identification badges. It is a vital phase of security and should be regarded by us all as important.

# Service Notes...

A communication as received during the past week from Billy Guy, formerly of the Photo Lab and now in a photo reconnaissance squadron at Will Rogers Field in Oklahoma City.

Included in Billy's letter to Stanley Clason, head of the Photo Lab, was a clipping from the field's weekly newspaper concerning another former employee, Lee Lorch.

Lorch is a private first class with a Ph.D., according to the article, which describes him as one of fewer than a dozen men in the armed forces who are creative mathematicians by profession.

Entering the Army ten months ago, Lorch followed his basic training with a course at Fort Belvoir, where he was classified as topographic computer.

We received a letter from Bobby 'Shorty' Harrison, who was employed as a messenger and later in the Instrument Section here before entering the Army.

'Shorty' is getting introduced to a soldier's life at the Ordnance Replacement Training Center at Aberdeen Proving Grounds, Md. He is beginning to like the Army, though he reports that he misses all his friends at the Laboratory. 'Shorty' has been placed on the Bulletin mailing list, which is financed by contributions from staff members. Contributions not previously listed were received from E. W. Jones, Sarge Walters, John V. Ankeney, Jr., C. J. Satterfield, Ed Howe, and from our friends in the Blueprint Room and Aircraft Loads. The 'kitty' now totals \$20.04.

Corp. James T. Smoot, former LMAL employee, lost his life in the crash of an Army transport at Granada, Miss., Feb. 13, according to information obtained from V. S. Ritchie of the 8-foot Tunnel. Three companions were also killed. A military funeral was held Feb. 17 at his home, Mt. Mourne, N. C. James was crew chief of his plane.

# CLEVELAND CLIPPINGS

**QUOTA TOPPED:** AERL went over the top in the Fourth War Loan Drive, exceeding its \$58,600 quota by \$6,750.

**ANNIVERSARY:** On its first anniversary, the AERL library announced that its assets have grown from 500 volumes and about 1,000 documents to some 1,500 books, 20,000 documents and innumerable magazines and catalogs.

**NEW POST:** A new post has been created at AERL--that of Safety Engineer. Paul E. Smith has the job. He was formerly with the Internal Security Division of the Fifth Service Command, Army Service Forces.

**HEADACHES:** Less than 500 headache pills have been required by AERL employees in a month and a half as compared to more than 2,500 at LMAL.

**SMOKERS:** AERL inaugurated its series of smokers with an informal get-together March 2 in the Laboratory's auditorium. Men and women assembled to hear the first speaker of the series, Secretary John F. Victory.

**BOWLER:** Ra. Griffin, who has resigned AERL to join an armed service, recently knocked a 311 out of a possible 360 in a bowling tournament in Cleveland.

**LOBBY LINES:** Recent visitors at AERL were Lewis A. Rodert of AAL; John F. Victory, Joseph Davidson and R. Vernon Radcliffe of the Washington Office.

*REPORT GIVEN ON CASH SALES OF BONDS DURING CAMPAIGN*

The Bond Office reports that a total of \$55,526.50 was expended by Laboratory employees for war savings bonds during the Fourth War Loan Drive recently completed.

Nine hundred and forty-two persons bought bonds. The cash sales, plus the estimated payroll allotments for January and February, makes the purchases during the drive total approximately \$184,000.

# TIME SHEETS MODIFIED

The semi-monthly time sheets have been modified to take care of the overtime worked by many employees. A new column has been added to the sheet in which the type of overtime worked will be noted.

Employees are asked to use the symbols on the bottom of the time sheet for showing what type of overtime was worked as well as the type of leave taken.

The symbols for overtime are: VO, voluntary overtime; PO, paid overtime; and CLO, compensatory leave overtime. The leave symbols are: A, annual; S, sick; and CL, compensatory leave. Section heads are required to make all other leave entries as before.

The compensatory leave symbol shall be used when compensatory leave has been approved and taken for overtime worked.

Overtime shall be recorded in all cases where employees work more hours than are prescribed in the regular working day or when they work on Sunday except in cases when Sunday is a regular working day.

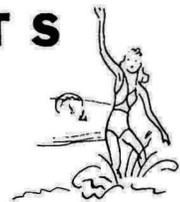
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## *Little Theater To Hold Play Tryouts On March 5*

Laboratory employees and members of their families have been invited to try out for parts in three one-act plays which will be presented by the Hampton Little Theater. The tryouts will be held at 3 p.m. Sunday, March 5, at the home of J. S. Darling at Columbia Avenue and Bridge Street in Hampton.

The total cast for all three plays will include 12 men, a ten year old boy, and eight women. All parts are open pending tryouts.

The plays and their directors are: "The Valiant", directed by Granville Derby; "The Wrath of Gundahla", directed by Irene Farster; and "Three Pills in a Bottle", directed by Lucille Parkinson.



# SPORTS

## SOFTBALL

The NACA Softball League will meet at 7:30 p.m. March 9 at the Industrial USO center in Hampton to discuss rules and regulations. All teams are urged to have representatives present. League officials have set March 9 as the deadline for the acceptance of new teams in the league. None will be admitted after this date.

At a recent meeting held at the Industrial USO, a number of organizational problems were decided upon. The league voted to bar the use of spiked shoes in all games. Additional committees were formed, including a permanent grounds committee, a schedule committee, and a rules and regulations committee.

Umpires and official scorekeepers are needed for league games. Any volunteers for these jobs may communicate with the Bulletin Office, phone 376.

## USO NEWS

Attention is called this week to a feature of the Industrial USO in Hampton. A phonograph and plenty of classical recordings are now located on the second floor.

Feature of this week's program is the movie, "Follow the Band", at 7:30 p.m. Thursday; a luncheon at 2 p.m. Friday for swing shifters; and a dance and refreshments Saturday night.

The program begins Monday with bridge at 8 p.m.; the American Legion assembles at the club Tuesday for its semi-monthly meeting; the girls' basketball teams meet at 8 p.m. Tuesday before proceeding to Langley View for a game; and there will be a dancing class from 4:30 to 5 p.m. and an orchestra practice at 7:30 p.m. on Wednesday.

## BASKETBALL

The Laboratory basketball league is getting in full swing now. Scores of games during the past week included: 8-foot Tunnel 35, Tank 21; PRT 28, 16-foot Tunnel 5; IRL 15, Tank 12; 8-foot 31, Structures 19.

In a close, hard-fought game Tuesday night, the PRT girls, paced by Campbell and Carlberg, forwards, and Timberlake, guard, defeated the 16-foot Tunnel girls, 19 to 18.

Monday night's men's games featured PRT's runaway victory over 16-foot, 28-5. A newly discovered teamwork helped the victors as the Keith to Boswinkle combination accounted for six points early in the game. In the last half Nichols scored 8 of his ten points to emerge high scorer. Boswinkle with 8 and Cohen with 6 points were runners-up. Cartobiano and Pearson starred for the losers.

After topping the Tank, 16 to 8, on Monday night, IRL came back in good form Wednesday night and trounced the Hydro boys again, 15 to 12. Emory was high scorer in the second game for IRL and Vollrath for Tank, each counting 4 points.

In the 8-foot Tunnel and Structures game Wednesday, the former won, 31 to 19, with the help of Flash Fedziuk's 10 points, Rieduk's 8, Vincke's 7 and Luoma's 5.

**PLAY BAWL:** C. C. Shufflebarger, ALD, is the proud father of a new son, David Taylor, born on Saturday, Feb. 26.

**LOST:** Ladies' Waterman's pen, brown with orange markings; Ray Greenberg inscribed on side; please return to Ray Greenberg Schaeffer, Stenographic Section.

# LIFE AT THE LABORATORY

**OLD MAN:** Melvin Butler, Personnel Officer, is doing nicely after undergoing an appendectomy Feb. 26 at Buxton Hospital. He is still laughing about the orderly, who told him that he was really in bad shape when his father brought him to the hospital. His "father" was Paul Taylor.

**ILL WINDS:** Ann Ingle, Engineering Section, is recuperating from an appendectomy at Buxton....Roxie Carswell, Photo Lab, is back at Ann Wythe Hall after undergoing treatment for a throat ailment at Dixie Hospital....C. W. Johnson, Reproduction's sign painter, was bid a farewell last week as he returned to Florida because of ill health.

**THEY LEAPED:** Ten scheming girls threw a Green Calf on Leap Day at the Fedziuk mansion house. March 1 didn't bring forth any surprises on any third finger, left hand, but the ten young maidens, if they're still eligible, plan to try again on Feb. 29, 1948.

**MISCELLANY:** Wilhelmina Strowd, Engineering, spent last week in Greensboro and Winston-Salem, N.C....Murrayl Groh, ICL, is visiting in New York....Maurine Brevoort, AID, is back at the Lab after a week in sunny Miami.

**WINCHELL:** The NACA received a plug on a world-wide news broadcast Feb. 27 when Walter Winchell announced the vital need of additional personnel at the three laboratories.

**MISCELLANY:** The employees of mechanical maintenance and refrigeration had a big blowout at the home of Raymond Gurtner in Briarfield Manor last Friday night. According to the boys, Wilton Hogge was the hit of the evening.

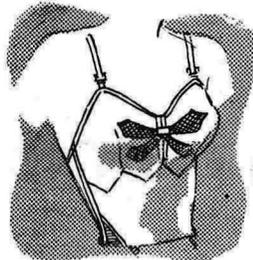
## *Special Bus Accommodates Ann Wythe Hall Residents*

A special bus service for Laboratory employees on the 7 a.m.-3:30 p.m. shift who are living at Ann Wythe Hall was inaugurated last week.

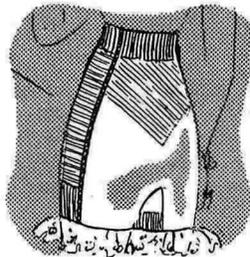
The bus leaves the front of the community building on the project at 6:05 a.m. and arrives at the East Area at 6:30. This will give the girls plenty of time to get to work in the West Area and give those in the East Area time to eat breakfast.

All employees who do not have satisfactory riding arrangements are requested to make use of the special bus. Unless there is a sufficient load on the bus each morning it will be taken off the schedule.

## *Aeronautical Terms*



### LIFT



### LATERAL CONTROL

STATE LAW REQUIRES ALL VEHICLES TO COME TO FULL STOP AND REMAIN STATIONARY WHILE SCHOOL BUS IS TAKING ON OR DISCHARGING PASSENGERS. THIS LAW APPLIES WHETHER YOU ARE FOLLOWING THE BUS OR APPROACHING FROM THE OPPOSITE DIRECTION. DON'T TAKE CHANCES WITH THE LIVES OF OUR CHILDREN--OBEY THE LAW--SAVE A LIFE!

# LIBRARY NEWS

The following books were discovered missing during the recent library inventory.

It is requested that each staff member make an effort to locate these books in his section. Your cooperation in this matter will be greatly appreciated.

629.18-W85, 1935 edition. Airplane Design. By K. D. Wood. Accession number 1260.

629.18-W85, 1937 edition. Airplane Design. By K. D. Wood. Accession number 1460.

510-L664.- Graphical and Mechanical Computation. 1918. By Lipka. Accession number 91.

514-H652 - Treatise on Plane Trigonometry. By E. W. Hobson. Accession number 181.

629.143-Su8, - Meteorology for Aviators, 1939. Accession number 1627.

629.149-Sci 2, numbers 1-5. Science Advisory Board Special Committee on Airships. By W. F. Durand.

Journal of Royal Aeronautical Society. Vol. 35, 1931.

Aviation Engineering. Vols. 4-8, 1931-33.

Aircraft Engineering. Vol. 11, 1939.

629.142-W85, 1935. Technical Aerodynamics. By K. D. Wood. Accession number 1328.

530.8-P18. Theory of measurements. By Palmer. Accession number 139.

620.11-T48, Vol. 2. Strength of materials. By S. Timoshenko. Accession number 1349.

620.11-F959 Vol. 1. Applied mechanics:-Statics and Kinetics. By Fuller & Johnstor Accession number 526.

623.8-R73, Vol. 2. Principles of naval architecture. By Rossell and Chapman. Accession number 1689.

354.42-G799, 1935-36. Vol. 1. Technical Report of Aeronautical Research Committee of Great Britain, 1935-36. Accession number 1481.

693.5-H76, Vol. 1 4th edition (1937). Reinforced concrete construction. By Hool and Pulver.

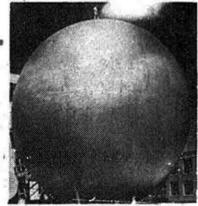
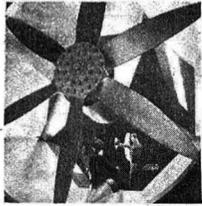
510.8-V-528. Edition 85. Logarithmic tables of numbers and trigonometric functions. By Vega.

Journal of Society of Automotive Engineers, 1928. Vol. 2.

## FOR VICTORY

BUY WAR SAVINGS BONDS AND STAMPS

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 12, Vol. 3

Langley Field, Virginia, March 11-17, 1944

Page 1

### BEGIN APPRENTICE TERM MARCH 27

The next term of the Apprentice School will begin at 7 p.m. March 27 at the Hampton High School. The term now running will terminate March 16. During the week in between classes, exempting examinations will be held to determine the proper classes to which students should be assigned and also for the purpose of allowing credit for work previously taken in another school. These examinations will be held Monday, March 20, from 7 to 9:30 at Hampton High School and on Wednesday, March 22, at the same time.

The classes which will begin March 27 will include Shop Math 1, 2, and 4, Blueprint 1 and 2, Physics I (mechanics), Physics 3 (electricity and magnetism), Mechanical Drawing, Use of Handbook, Radio, Meteorology, and Simple Aerodynamics. All Laboratory workers interested in these classes are requested to register by calling the Apprentice Office, preferably during the week beginning March 13.

There will be a special class in Simple Aerodynamics for those who previously took the course under Cal Muse.

### Milestone

The NACA, established by an Act of Congress on March 3, 1915, this month is entering on its thirtieth year of activity.

### RED CROSS CAMPAIGN GOES OVER THE TOP

The Laboratory's quota of \$3000 in the Red Cross War Fund Drive was topped last Wednesday when contributions from employees totalled \$3123.76. A total of 1820 employees made contributions.

Tiny Hutton, Chairman of the drive, gave highest praise to the three area chairmen, their assistants and their solicitors. Virginia Tucker, head of the East Area Computers, led the Full Scale Tunnel Area to the highest total with \$1179.31 to her credit. The West Area,

under the direction of Catherine R. Turner of the Construction Office, came through with \$991.75, and Lucy Bainbridge, head of the Stenographic Section, reported a \$952.70 total from the Administration Building Area.

Any employee who was not contacted during the campaign and who wishes to make a contribution, may communicate with any of the solicitors. Additional funds are still being received and it is hoped that the quota will be exceeded even more.

Solicitors during the campaign included:

Administrative Area--  
Frances Leigh, Glenda Ellison,

\* \* \*  
Barbara Brown, Anna George, Dorothy Cole, Ella Walters, Margery Waters, Ruth Webb, Johnny Fuller, Elizabeth Saunders, Chris Reynolds, Virginia Peters, Mary A. Smith, Elizabeth Patterson, Helen Carlberg, Mrs. Emma McSmith, Ann Rogers.

Full Scale Area--Ruth Zwicker, Dot Young, Patsy Coe, G. C. Furlong, Hazel Philyaw, Arlene Hunt, Esther Wendling, Betty Ludwig, Jane Perry, Allie Fay Ellis, Esther Draughn, Floyd Rogers, Bernice Hugate, Evelyn Morris, Dorothy Melton, Cynthia Lowe, John Doyle, Saramae Mason, Mary H. Austin, Florence Winton, Ruth Barn-

(See page 6)

### EASLEY PRAISES LMAL WAR LOAN RECORD

James S. Easley executive manager of the Treasury Department's war finance committee for Virginia, has written a letter of congratulations to the Laboratory on the success enjoyed during the Fourth War Loan Drive.

The final figures show that cash sales totalled \$55,526.50, the January payroll allotment was \$63,663.36, and the February allotment was \$66,165.05, making a total of \$186,354.91

Easley called it "a most remarkable record, and I trust will be an aid to us in securing better cooperation from other businesses and agencies. The story of this record will be used in our News Letters as a record of achievement."



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

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Managing Editor . . . . E. McKinley Hutton  
Associate Editor . . . . Ruth Angel  
Art Editor . . . . . Ben Vogel  
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#### *Safeguard Vital Information*

The importance of the security of information is cited in a communication received from President Roosevelt by Dr. Jerome C. Hunsaker, Chairman of the NACA, in which the Chief Executive joins with the joint chiefs of staff and our military commanders in expressing "serious concern over comment in the press and on the radio by prominent persons in this country with respect to projected military operations".

The President said further that, "from a study of such material, it is apparent that there is serious danger of compromising the security of projected military operations which conceivably could result in unnecessary loss of lives and jeopardy to the operations themselves. The Office of Censorship is taking such action as lies within its power to prevent disclosures of classified information in the press and on the radio".

"Will you please see that your particular department and its various bureaus and divisions issue instructions to their personnel to refrain from any speculation or discussion, either privately or for publication, regarding secret weapons or equipment, current and future military operations or plans and the movements of troops and ships, prior to announcement by the proper military or naval or higher authority; and, in cases of high level international conferences, prior to authorization being secured from the Executive Office of the President."

#### *Observe Parking Regulations*

There are a number of parking spaces in the vicinity of the Administration Building which are reserved for special activities and are constantly misused by indiscriminate parkers.

The spot that falls victim daily is the space reserved for the Personnel station wagon near the west entrance of the Technical Service Building. This place is reserved so that the station wagon, which brings new employees to the Personnel Office, won't have to waste time hunting for a space to park every time it makes its rounds.

Other reserved spaces are the ones in the official parking lot at the south entrance to the Administration Building. There places are marked for several officials of the Laboratory, official cars and station wagons, and official visitors. There are not even enough spaces there for the needs of the lot, and when unauthorized persons park there, it causes more confusion.

Persons who park incorrectly are liable to have their cars tagged by the Laboratory guards.

That in itself should be enough to stave off future violation, but if it isn't, just remember that those spaces were marked off for a particular reason; let that reason be good enough for you.

# Service Notes...

Carl J. Wenzinger, former chief of the 19-foot Tunnel Section, sent us a letter last week describing something of his new life with Uncle Sam.

Lieutenant Wenzinger, who departed the Lab on Oct. 27 for active duty with the Navy, is assistant officer-in-charge of the Aeromechanics Division at the Navy's new experimental center, David Taylor Model Basin at Carderock, Md.

"We are just getting two new medium-size, medium-speed, wind tunnels into operation, and are having the usual 'growing pains'. Also, we have two older wind tunnels already in operation at the Washington Navy Yard", Wenzinger wrote.

He explained that most of his organization's work comes from the Bureau of Aeronautics, with some from the Bureau of Ships, Bureau of Ordnance, and other government agencies. "We are swamped with projects, and greatly in need of personnel! (As tho that was something new)."

"Anyway, the work is very interesting, and we certainly get many new views on aeronautical problems, especially from the Navy viewpoint."

Wenzinger, who has been placed on the Bulletin mailing list and will hence forth receive weekly news of his former associates, asks to be remembered to all his friends at the Lab.

Edward W. Reuben, formerly of the East Machine Shop, sends his regards to friends at LMAL. He has been assigned to basic training in the Army Air Forces at Greensboro, N. C., where he hopes to qualify as an air cadet.

James A. Bertocci, LMAL employee, has received word that his brother, Vincent J. Bertocci, 26, Marine Corps private first class, was wounded during the American invasion of the Marshall Islands.

**EMPLOYEES ASKED TO TRY OUT  
FOR NEWPORT NEWS PLAY**

The Newport News Little Theater will hold tryouts for "Separate Rooms", a comedy in three acts, at 8 p.m. Thursday, March 16, at the Hospitality House on Thirty-fourth Street in Newport News.

The play will be directed by William Cullen, who urges all those interested in little theater work, particularly acting, to attend the tryouts. New members will be given every opportunity to take an active part in the play.

**ROOMS FOR MEN, COUPLES  
NEEDED BY HOUSING OFFICE**

A large number of new recruits are entering on duty at the Laboratory and the Housing Office is desirous of enlisting the assistance of staff members in obtaining adequate accommodations for them.

Any Lab employee who has a room available for men or couples, or who knows of such a vacancy, please communicate the information to the Housing Office, telephone 381.

**"WORST" AID**



**ANY UNSAFE PRACTICES ?**  
Courtesy Purdue University

1. Man soaking unsterile cotton with iodine.
2. About to apply iodine to area near eye of fellow worker.
3. Iodine bottle not labeled poison.
4. Bottles of medicine such as iodine should be kept in dispensary and not in shop.



**S P O R T S**



**BOWLING**

The second round of the Stability Division Bowling League ended with the Tumblers on top. There was a three-way tie for last place. Highlights of the round: Red Neihouse's 401 set and Johnny Draper's 146 game.

Honors for high averages went to the following: Men-- Neihouse, 104.7; Jack Paulson, 103.7; Marvin Schuldenfrei, 103; Buster Seacord, 102. Women-- LaVerne Priddy, 86.7; Esther Draughn, 81; Mary Anne Campbell, 80.7; and Kitty White, 77.7.

Team	Section	Won	Lost	Pctg.
Tumblers	Spin Tunnel	14	4	.778
Wreckers	AWT	12	6	.667
Genius, Inc.	Free Flight	11	7	.661
Bamber's Bombers	Stability Tun.	8	10	.444
PH-F-F-Ts	Free Flight	6	12	.333
Soule's Stable Boys	Stability Tun.	6	12	.333
Spinners	Spin Tunnel	6	12	.333

\* \* \*

**BASKETBALL**

Teams in the Laboratory Basketball League showed improved form during the past week. The scores include:

Monday

PRT 35, Tank 25: PRT's sharpshooters overcame a Tank rally in the fourth quarter and emerged victorious with the able help of Boswinkle's 12 and Nichols' 10 points. Stewart and Vollrath were high for the losers with six points each. Team members praised George Wythe's Coach W. A. O'Harra, whose first rate officiating kept the contest from becoming a post season football tussle.

FRM 22, 16-foot Tunnel 20: After battling to an 18 to 18 deadlock, these two rivals played an exciting five-minute overtime period. The 16-foot team scored a field goal first to go ahead, but FRM countered with two goals to end up on top.

Structures 29, AFR 17: Both teams got off to a slow start, AFR leading 1 to 0 at the end of the first quarter. Toward the end of the second quarter, however, Structures began to click behind the outstanding performance of Ochiltree and displayed the best teamwork they have shown so far this season. (The game between Structures and 16-foot the week before, reported in the Bulletin as having been won by 16-foot, actually was won by Structures, 16 to 12.)

Wednesday

The 8-foot Tunnel team, paced by Hank Fedziuk, who scored 12 of his team's points, defeated IRL, 27 to 6. AFR topped Tank, 16 to 7, and Structures ran away from FRM, 19 to 7.

\* \* \*

**Lab Girls Lose To WACs**

A combined PRT and 16-foot Tunnel girls' team lost to the WACs on the Langley Field gym Tuesday night, 28 to 14. Timberlake, guard, and Wall and Carlberg, forwards, starred for the Lab girls. The PRT and 16-foot Tunnel teams will individually engage the WACs and the Nurses at the Base gym March 21.

# Life At The Laboratory

**MISCELLANY:** Rebecca Winchester, Editorial Office, left the Lab last Thursday to join her husband who is stationed in Pennsylvania....Hazel Storey and Louise Phillips, Tank, spent last week in New York on a shopping tour for the Tank. Their only reply when they were swamped by the Tank staff upon their return was, "No scotch". They confess that the only things that influenced them to leave the big city were the three recruiting pamphlets that they received from the Langley Laboratory....Alec "Fuzzy" Fulks, 19' Pressure Tunnel, has been taking quite a ribbing about his cue-ball haircut.

**USO:** The boys of "Club 55" feel that they are doing their part now that a new branch of the "USO" has been opened at 55 Cherokee Road.

**VACATIONING:** Robert Folz, Dynamic Model Shop, is spending two weeks at his home in Michigan...John Riebe, AWT, is spending a few days at his home in Lansford, Penn....Jerry Hilton, AWT, has returned from a week's stay in Miami....Mr. and Mrs. Scotty Bowlin spent the week-end at Mrs. Bowlin's home in Burlington, N. C....Polly Fowler, L Purchase, is vacationing in Durham, N. C....Libby Powell, L Purchase, spent last week-end at Eastern Shore, Va....Shirley Broitman, L Purchase, is in Boston with her husband who is on furlough....Muriel Zuckerman, Full Scale Tunnel, is back after a fling in New York.

**ILL WINDS:** Janie Burroughs, AWT, who has been recuperating from an operation in Miami, Florida, returned to work this week....Gino Santi, Tank, is back at the Lab after being out two months with a leg injury suffered during the football season....Buck Barber, Construction Purchase, is back at work after being ill for the past week....Dorothy Chandler, L Purchase, who went to the post hospital last Monday is reported as getting along nicely.

**WEDDING BELLS:** Rubye Womble, AWT, has left the Lab to settle down to married life. She will be married today, March 11, to E. I. Scott of Newport News....Christine Ailor, Computing, and Orien Culpepper, 8' High Speed Tunnel, staged an elopement last Friday night, March 3....Lowaita Rowland recently left the 19' Pressure Tunnel to be married to Lt. Harry Martin of Langley Field....Doris Turner, Full Scale Tunnel, who was recently married to Elmer Ellsworth, is back at work after honeymooning in Indiana....Vivian Bransford, Full Scale Tunnel, was married Friday, March 3, to Arthur Morsett.

**PARTYING:** A shower was given last Wednesday night, March 1, by the Dynamic Model Shop for Louise Hooker Slavens, who was recently married....Structures recently had a bowling party-picnic at Buckroe. About 65 attended and the afternoon was divided into a series of events. "Smoky" Kousz was high scorer in the bowling contest....Construction Purchase is on the road to better health now that the personnel have received a bushel of Florida oranges from Lewis Bass, formerly of Construction, and the Tank is planning a health-building campaign if they ever receive the bushel that Newton Mas claims he sent while vacationing in Florida.

**BRIDGE TOURNAMENT:** The 19' Pressure has formed a bridge tournament with 8 teams participating. Owen Deters and Ralph Avakian are leading with a total score of 8,510 and Jerry Teplitz and Helen Flanagan are bringing up the rear with a score of 2,330.

**MODEL BOATS:** All persons interested in forming a Model Speed Boat Club will meet at the Industrial USO located at 108 North King Street, Hampton, on Thursday night, March 16, at 7:30.

## DIVIDEND CREDITS BEING GIVEN NOW

All members of the LMAI Federal Credit Union wishing their dividends for last year entered on their book may send the book along with a note to Hugh Watson of the L Purchase Office, located in the Warehouse.

According to an announcement made by Arthur Samet, all persons wishing to join the credit union should contact the nearest collector and not the treasurer. Applications for loans are also obtained from the collectors and when properly filled out are returned to them to be submitted to the committee for approval.

The collectors and their locations are as follows:

Betty Harper, Flight Research; George MacDougall, Spin Tunnel; John Doyle, East Engineering Section; Richard Dingledein, Full-Scale Tunnel; Archy Fairfield, Instrument Service Section; George Hogge, Maintenance Section.

Elizabeth Saunders, Maintenance Office; Charles Folk, West Machine Shop; Mrs. Dorothy Chandler, Warehouse; Leonard Bartone, Structures; John Garvin, 19' Tunnel Building; Ann Mercer, West Sheetmetal Shop; Corrade Hobbs, 19' Tunnel Building; Mrs. Bernice Gay, East Machine Shop.

\* \* \*

### NO EXTENSION AUTHORIZED FOR FILING TAX RETURNS

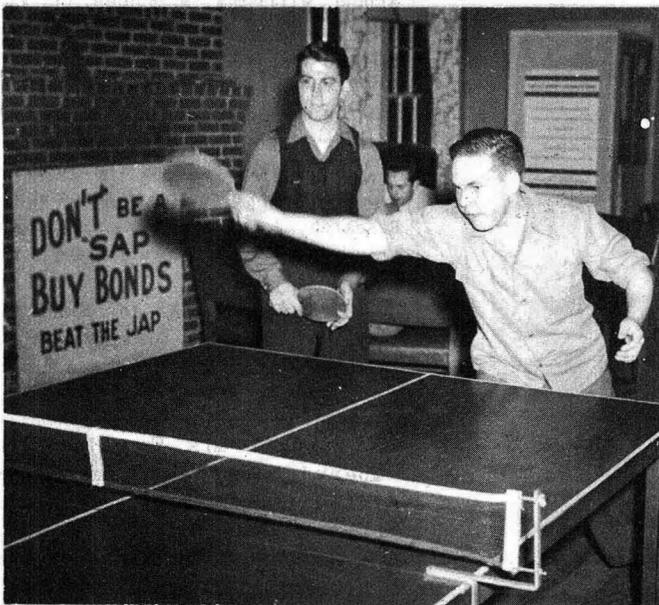
Gerard Zimmerman issued a word of caution to employees the past week, emphasizing that despite rumors in some quarters, there has been no extension granted on the March 15 deadline for filing income tax returns.

He pointed out, however, that the declaration of estimated income for 1944, originally due by March 15, may be filed as late as April 15.

\* \* \*

**MISSING:** 75-foot heavy duty extension cord from Gust Tunnel; urgently needed and should be returned immediately.

# NACA WORKERS ENJOY FACILITIES OF INDUSTRIAL USO IN HAMPTON



# LIBRARY NEWS RED CROSS

The following books are reported lost by the Apprentice School Library:

510-B75. Mathematics. By J.W. Breneman. Accession no. 1945.

620.1-L35. Practical Mechanics and Strength of Materials. By C.W. Leigh. Accession No. 1942.

620.11-T48, 1940, Pt.1. Strength of Materials. By S. Timoshenko. Accession no. 1978.

621.30761-K95;1941. Mathematics for Electricians. By Martin H. Kuehn. Accession no. 1960.

629.134-N75. The Aviation Mechanic. By C. Norcross, and J.D. Quinn. Accession no. 1980.

Upon the location of any of these items, please notify the Library, Phone 317.

**LOST:** A double strand of pearls. If found please return to Annie Mae, Payroll Office.

(From page 1)

hart, Harry Lyons, Mrs. Mildred Owens, Alice Whitley, Walter Bartlett, Helen Ellett.

West Area--Evelyn Wallace, Marie Allen, Ruth Smith, Lucille Bergbom, Caroline Stanley, Alma Pharr, Thelma Savage, Mrs. C. T. Brown, Edith Murphy, Virginia Rapchick, Rachael Withers, Ida Bassette, Eugeniz Baptist, Marjorie Davis, Shirley Stubbs, Jacqueline Martin, Catherine Pollard, Ruth Dickson, Lilli Belle Evans, Evelyn McCuiston, Mable Huffman, Ann Blanks.

### BONDS BUY BOMBERS

**NEW NUMBER:** Leave Office for 19 Foot Pressure Tunnel Area, located in Computers Office, telephone 305.

# CITES LITTLEWOOD'S NACA APPOINTMENT

From 'Aviation News'

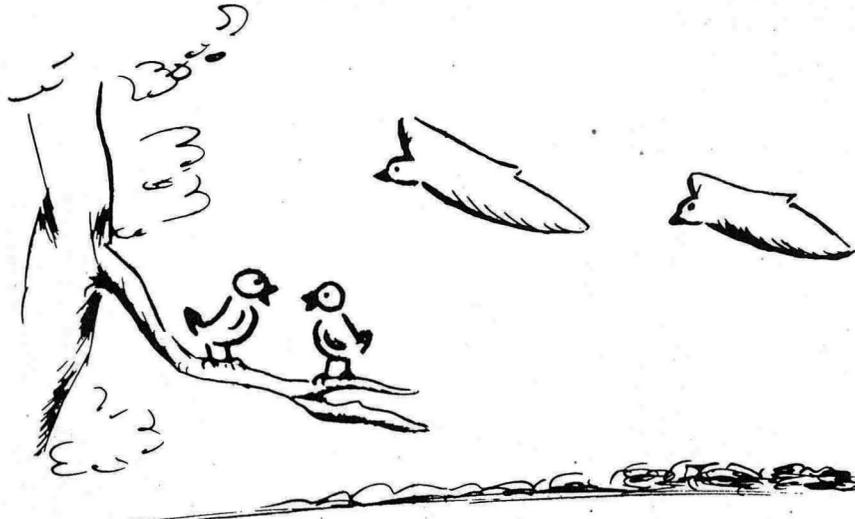
Elevation by President Roosevelt of William Littlewood, American Airlines' vice-president in charge of engineering, to membership on the National Advisory Committee for Aeronautics, is deserving recognition for one of the most capable airline executives.

The selection from one of the commercial airlines to the most distinguished aeronautical research group in America is even more a recognition of the role U. S. airlines have played and are expected to perform in the further technical development of aviation.

Mr. Littlewood joins a group of well known and highly respected. Dr. Jerome Hunsaker of Massachusetts Institute of Technology is NACA's chairman. Dr. Lyman Briggs of the Bureau of Standards is vice-chairman. Other members are Dr. Charles G. Abbot, Gen. Arnold, William A. M. Burden, Dr. Vannevar Bush, Dr. William F. Durand, Gen. Echols, Admiral Pace, Admiral McCain, Dr. Francis Reichelderfer of the Weather Bureau, Dr. Edward Warner, Dr. Orville Wright, and Dr. T. P. Wright. Dr. George W. Lewis is the internationally known director of Aeronautical Research, John F. Victory and Edward Chamberlin are secretary and assistant secretary.

The group has an unprecedented task, now and in the future. But there is every reason for confidence in its ability to do it well.

**100 PERCENT:** Mrs. Emma McSmith, supervisor of charwomen, reported that her group--30 in all--subscribed 100 percent to the Red Cross War Fund Drive.

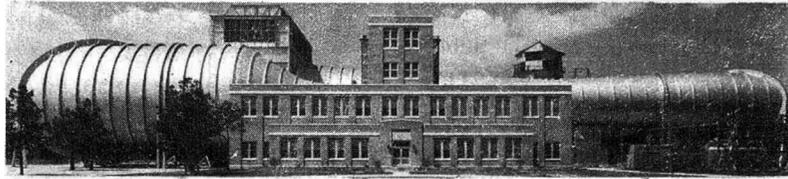
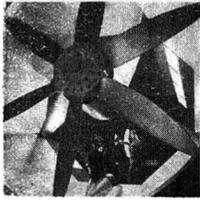


It's living around the N.A.C.A. that's done it.  
This year all the eggs hatched into flying wings.

## NACA BOND RECORDING DURING JANUARY

	Washington	Langley	Ames	Cleveland	Total
Number of employees	132	2370	510	1570	4582
Number participating	125	2268	485	1400	4278
Percentage participating	94.7	95.7	95	89.17	93.37
Monthly pay roll	\$28,382	\$478,825	\$120,639	\$366,204	\$994,052
Amount subscribed	\$3,663	\$63,663	\$12,868	\$36,749	\$116,944
Percentage subscribed	12.9	13.3	11	10.04	11.76
Average subscription	\$29.31	\$28.07	\$26.51	\$26.25	\$27.34

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 13, Vol. 3

Langley Field, Virginia, March 18-24, 1944

Page 1

### BLOOD TYPING PROGRAM BEGINS

The Laboratory's blood typing program bore results recently when two volunteer blood donors were located immediately for an emergency transfusion at Dixie Hospital. They were John H. Wood, Spin Tunnel, and David R. Woodward, Tank, whose blood donations helped save the life of a 4-year-old girl.

Already nearly 200 employees have had their blood typed and 20 others are being typed daily. As each employee is typed, he makes available certain information concerning himself, such as his willingness to give transfusions in emergencies to Laboratory personnel, their families, or both; or for emergency need at Dixie Hospital.

Those who give blood transfusions under the Laboratory plan do not have to take sick or annual leave, but may charge their time to Job Order 24.

### SERVICE MEN'S MAILING LIST GROWS

Three weeks ago, when the LMAL Bulletin staff first attempted to obtain names and addresses of former employees who are now in an armed service, there were only 11 on our mailing list. Today, 38 soldiers, sailors, and marines in all parts of the world are receiving the Laboratory's weekly newspaper.

It is pleasing to know that in our small way we are helping these boys keep in touch with the world they once knew. To many, it is like a letter from home; the correspondence we receive from them attests to that fact.

We are anxious to enlarge our mailing list. If you have access to the service address of any former employee, please forward it to the Bulletin Office in the Administration Building.

### SIXTEEN STAFF MEMBERS COMPLETE TRAINING CLASS

Sixteen employees of the Laboratory staff have just completed a period of training to assist them in leading groups of supervisors in the consideration of methods through which supervisors may meet for the discussion of their mutual supervisory problems. It is expected that arrangements will soon be completed for various groups of LMAL supervisors to be or-

#### BIERMANN MADE OFFICIAL IN AVIATION CORPORATION

David J. Biermann, who left the Lab in September, 1943, has been named vice president of the Wickwire Spencer Aviation Corp. in Chicago.

Biermann, who formerly made his home at 3509 Wythe Place in Elizabeth City County, was the head of the 16-foot Tunnel at the time of his departure from Langley. He came here in 1929.

ganized and to meet at regular intervals in order that they may pool their ideas and experiences.

H. J. E. Reid, Engineer-in-Charge, has inaugurated this program inasmuch as the rapid expansion of the Laboratory has placed many new responsibilities on the various supervisors. Mr. Reid has determined after investigation, that many other organizations in a similar situation have made very effective use of this procedure.

Through arrangements made with Dr. B. H. Van Oot, of the State Department of Education, LMAL secured the assistance of D. E. Scull, of the United States Office of Education, who conducted the training.

The following group attended the sessions and participated in the discussion: Donald D. Baals, Franklin W. Booth, Percy J. Crain, Charles J. Donlan, John W. Ebert, D.E. Henry, S. Walter Hixon, Jr., Edward A. Howe, Charles A. Hulcher, Joseph N. Kotanchik, William B. Mayo, Elton W. Miller, Howard H. Morris, John Munick, William J. O'Sullivan, Charles C. Shufflebarger, and Paul D. Taylor.

#### DURAND HONORED BY NACA AT DINNER IN WASHINGTON

W. M. Durand, professor emeritus of mechanical engineering of Leland Stanford University, and an authority on jet propulsion, was honored at a dinner in Washington (early in March) by the National Advisory Committee for Aeronautics.





The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor . . . . . H. Lee Dickinson  
 Managing Editor . . . . E. McKinley Hutton  
 Associate Editor . . . . Ruth Angel  
 Art Editor . . . . . Ben Vogel  
 Reporters . . . . . LMAL Employees

**BASKETBALL**

Eight-foot High Speed Tunnel, only undefeated team in the Laboratory Basketball League, finished the week on top of the eight-team loop. Monday's and Wednesday's game results:

**Monday**

IRL, 28, FRM, 21: IRL, paced by Taylor who netted 7 points, emerged victorious by virtue of a third period rally after lagging during the first half. Hart's 10 points made him high scorer for FRM.

8-foot 43, 16-foot 14: Vincke led the 8-footers to victory, scoring 15 points in an outstanding offensive demonstration, while Fedziuk aided considerably by totalling 10 points. Keen-eyed Cartobiano was high man for the losers, dropping in 7 points. Axel "Fat Boy" Mattson played his usual stellar defensive game for 8-foot. A large number of spectators turned out to cheer the two Compressibility Research Division rivals.

PRT 24, AFR 14: PRT was out in front throughout the game, AFR coming close once in the third quarter when Braslow and Johnson combined to send the Airflow boys within 3 points of PRT. DeKoster, who made the only two-pointer shot from mid-court, Nichols, and Cohen each tallied four points, while Boswinkle made 8 for PRT. Johnson was high for AFR with 6 points. Some comic relief was afforded when AFR's Cahill tried for a field goal at PRT's basket.

**Wednesday**

All but one of the Wednesday games resulted in lop-sided scores. IRL defeated 16-foot, 13 to 11, with Taylor scoring 6 points for the winners and Korycinski netting 5 for 16-foot. Flight Research smothered AFR, 26 to 4, with the aid of sharpshooters Hart and Bennett who scored 8 each. Structures emerged a 13 to 4 victor over PRT. Bartone was high with 7 points.

**Standings**

Teams	Won	Lost	Pctg.
8-foot	5	0	1.000
IRL	4	1	.800
Structures	4	1	.800
PRT	3	2	.600
FRD	3	2	.600
AFR	1	4	.200
Tank	0	5	.000
16-foot	0	5	.000

**16-foot Tunnel Girls Top PRT**

In a close game at the Langley View gym Tuesday, the 16-foot Tunnel girls defeated the PRT representatives, 14 to 12. Huxter and Driver of 16-foot each scored six points and they were ably supported by Hacskaylo, forward, and Wall, Holland, and Rietheimer, guards. Outstanding for the losers were Campbell and Carlberg.

**CLEVELAND CLIPPINGS**

**OPEN HOUSE:** The AERL family celebrated the official opening of its new Engine Research Building with open house. Refreshments, dancing, music, and card playing were enjoyed by approximately 2,832 spectators and merrymakers.  
**BOND BOMBER:** The winner in the naming contest for the bomber featured in the Fourth War Loan Drive will be announced when the plane rolls into AERL's Hangar with the winning name emblazoned across its nose. The winner will receive a \$100 war bond.

**RED CROSS DRIVE:** The Red Cross Drive is under way with the goal set at \$3,000.00

**CONGRATULATIONS:** AERL congratulates Ames Laboratory at Moffett Field, California, on the official opening of its Administration Building, Auditorium, and Cafeteria.  
**CHAMP:** Ray Griffin, who recently won second place in the Head Pin Tourney with a score of 311, has raised his score to 322.

\*\*\*

**'NIGHTOWL' DANCES HELD AT NEWPORT NEWS USO**

If you feel like raising a little cane and having a swell time after working second shift, get your ticket now for the swing shift dances held every Wednesday and Saturday mornings from 1 to 4 at the Newport News War Workers USO at 211 Thirty-second Street.

The dances are "stag or drag" and the music is furnished by William Harrison and his Blue Devils. Round dancing is held on Wednesdays, square on Saturdays. The admission is a dollar a ticket--which lasts a month. If you don't like to dance, enjoy a game of ping pong or shoot pool.

The USO's message to the girls is: Don't wait for the boys to ask you--come on out stag and have a good time!

# Life At The Laboratory

**MAY QUEEN:** Hilda Thompson, formerly of FRM, has been elected May Queen at Greensboro College, Greensboro, N. C.

**BRIDGE:** The Industrial USO Bridge Club, comprised mostly of NACA employees, has obtained 16 boards for duplicate contract bridge. Any one interested in playing may meet at the USO on Monday nights at 8 o'clock.

**ROMANCE:** Carroll Christensen, who has drawn quite a few cartoons for the Bulletin, has left the Lab to prepare for married life. She will marry Sergeant Donald Sommerville of the Marine Corps on April 10. Before her departure, she was presented a combined going away-wedding present by the Engineering Section, On Wednesday night Carroll was given a shower at the Industrial USO by Mary Thorne Tyson, Dot Severance, and Gloria Nestor.... Mary Lois Vance recently left the Construction Office to settle down to married life with Lt. Robert Darden of Fort Monroe.... Frank Malvestuto, Spin Tunnel, is planning an Easter wedding in Miami. He will marry Ruth Barnhart also of the Spin Tunnel. At the present, Ruth is visiting at her home in Albuquerque, New Mexico.

**ILL WINDS:** Marie Bird Allen, head of 16-foot Tunnel Computing Section, is confined to her home with a slight case of measles.... Roxie Carswell, Photo Lab, who is suffering a throat infection, has left the Lab to return to her home in Lexington N.C.... Effie Frank, TDT, is convalescing at the Dixie Hospital from a recent operation.... Mary Frances Mikell has gone to her home in Charleston, S.C. to recuperate from a recent illness.

**MISCELLANY:** Kenneth Smith, Carpenter Shop, is back at work after a two months absence as a result of a recent operation. Virginia Hinkins has left LMAL to resume her duties at AERL. Thelma Stewart, Impact Basin, spent last week-end with her in Cleveland. Other Impact Basin news: Geraldine Couch spent last week-end visiting friends at Meredith College, N.C.... Wilbur L. Mayor spent several days in Greenville, N.C., with his brother, Capt. C. H. Mayo, who has just returned from New Guinea.... Una Bradd is back after visiting her sergeant husband at the Richmond Air Base.... Lillian Woods is visiting at her home in Mt. Holly, Mississippi.

**HERE AND THERE:** Ada Bearson, Engineering Section, is visiting her home in St. Louis with her husband, a sergeant in the Air Corps.... Doris Avery, Reproduction, has returned after a week in Boston with her sea-faring husband.... Dot Severance, Illustrator, who spent a week in New York looking for a three or four man canoe, has returned minus the canoe.... Virginia Smith, ALD, is at her home in Charleston, W. Va.... Helen Flanagan, ALD, is visiting her home in N. C.... Mr. and Mrs. E. W. Jones, Thelma Savage, Marjorie Mumford, Mr. and Mrs. J. R. Thomas, Bill Petring, and Eddie Myers attended the Russian Ballet, "Mio Slavenska", in Richmond last week end.... Al Stokke, ALD, has gone west for a visit.... June Polhemus, Stock, is back after a visit to her home in N. Y.... Eloise Wactor, Structures, has gone "down home" in S. C. for a visit.... Evan Schuette, Structures, is visiting his home in Wisconsin.... Leonard Bartone, Structures, is back after a fling in Hartford, Conn.... Henry Rottersman, Spin Tunnel, has returned from a visit to his home in Paterson, N. J.... Jack Posner, Tank, is back from New York.... Rosellen Hoffman and Dick Dingeldein, both of Full Scale Tunnel, have returned from a visit to Dick's home in Yonkers, N. Y.

## SIGN IN AND OUT RULES FOR LMAL EMPLOYEES CITED

As each employee comes on duty he is required to write his name on the Sign In sheet and note thereon the time. Each must sign in on the first line that he finds blank so that the order in which the names appear will be in the order of their arrival rather than in an alphabetical, numerical or other than chronological order.

The same procedure will be followed on the Sign out Sheet.

The section head or authorized assistant will prepare each day, from the attendance records of the previous day, the attendance report, listing the employees who have taken leave, the type and amount of leave taken, and any pertinent remarks regarding such leave. This report, together with the attendance records, will be certified and forwarded to the leave clerk in time to reach her before 11:00 a.m.

## WORST AID



### ANY UNSAFE PRACTICES HERE?

1. Man bandaging own finger.
2. Since hands are obviously dirty, bandage cannot be sterile.

Courtesy Purdue University

**MISSING:** Several metal tripods from stockroom of the Photographic Laboratory. Any section having any of this equipment please call Stanley Clason, phone 259.

**CONDOLENCES** to Edward Maggic Structures, on the death of his mother in Chicapee Falls, Mass., and to Ray Windler, Maintenance, on the death of his father in Missouri.

## TWO EX-EMPLOYEES DIE; ONE MISSING

Two former Langley Laboratory employees were killed and one is believed to have parachuted to safety over enemy territory in three widespread air accidents in recent weeks.

Willard B. Boothby, 25-year-old former engineer in the then Flight Research Maneuvers Division, was killed while performing a special flight test in a Navy fighter early this month.

Friends of Boothby at the Laboratory report that they were informed he parachuted from the fighter, which he was testing at the Chance Vought Aircraft Company in Connecticut but was dead when emergency rescue workers reached his side.

Boothby, a resident of Woodbury, N. J., learned to fly in light planes while an aeronautical engineering student at Purdue University. He left the Lab about three years ago.

Another air casualty was Lieut. John Bowen, formerly of the 19-foot Pressure Tunnel here, whose Army cargo plane crashed into a West Virginia mountain while he was en route from Wright Field about three weeks ago to visit friends at the Laboratory.

Lieut. Julius "Dave" Miller, who worked at the Laboratory under the Apprentice Administration from 1940 to 1942, is believed to have parachuted from a plane in which he was a bombardier during a mission over Germany. Mrs. G. H. Clark of Hampton, Miller's mother, received word from the War Department that Miller has been listed as "missing in action" since Feb. 20. A friend told Mrs. Clark that observers report Miller's plane was under control when it left the formation over Germany and parachutes were seen leaving the craft.

## NEW EMPLOYEE'S FIANCEE DIES IN NORTH CAROLINA

John T. Neece, 19-year-old Laboratory recruit from Graham, N.C., reported to work for the first time on March 13 only to learn that his fiancée, Faye Forbis, was dead.

Neece was informed over the telephone by his mother that Miss Forbis died March 12 at her home in Charlotte of injuries suffered in an automobile accident March 9, soon after he had departed North Carolina for his new job at Langley Field. Previous efforts to communicate with Neece, who had obtained a room in Elizabeth City County, were unsuccessful.

Neece, assigned as a mechanic learner in the Apprentice Administration, left immediately to attend the funeral rites in Charlotte.

## INDUSTRIAL USO SCHEDULE FOR COMING WEEK LISTED

This week's program at the Hampton Industrial USO begins March 19 with an open house. The bridge club meets at 8 p.m. March 20. Dancing classes from 4:30 to 5:30 p.m. will feature the March 22 calendar. A movie, "Pittsburgh", starring Marlene Dietrich, Randolph Scott, and John Wayne, will be shown at 8:30 p.m. March 23. An "eatin' meeting" is scheduled for 5:30 p.m. March 24. A dance and refreshments will be enjoyed March 25.

## KOTANCHIK NAMED CHAIRMAN OF LMAL TRAINING GROUP

A committee on personnel training at the Laboratory has been appointed, including Joseph N. Kotanchik, chairman, Ira H. Abbott, John C. Messick, and William A. Aery. Others who will serve the committee are Charles A. Hulcher, executive secretary, and George R. Colonna, advisory member.

The committee will coordinate and guide all training and educational programs for LMAL personnel.

## TWO FROM HERE IN HOTEL FIRE

While two men sat peacefully reading the funnies in their second-floor room in Richmond's Jefferson Hotel, lapping flames were rapidly demolishing the walls just outside their door. So engrossed were they in the adventures of Lil' Abner, they failed to take heed when their subconscious minds heard frantic voices just outside their door. These two men were Harleth G. Wiley and Ralph W. Stone of the Spin Tunnel.

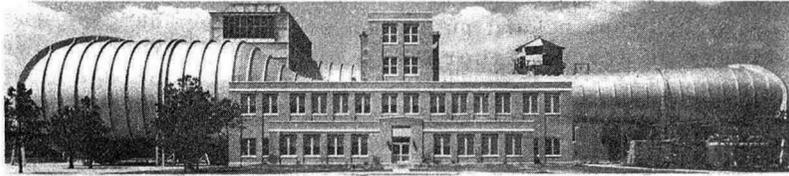
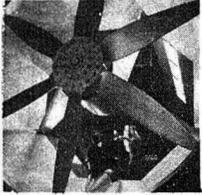
Wiley, first to sense the danger, was calmly reading the funnies when he glanced into the wall mirror directly across from his bed. He was greeted with a very realistic picture of bright flames leaping up the walls outside his window.

Ralph's first thought was his clothes. He made a mad dash for the closet while Wiley calmly stuck his head out the window to look over the situation. When Wiley looked out the window only two stories were burning but after a lapse of two minutes Ralph looked out to see virtually the whole building in flames.

Out in the hall they ran into two sailors and a soldier who were fighting the fire on the stairway. Wiley and Stone plunged in to help, but the hose was no good. They sent Wiley to look for another hose, but the hunt was unsuccessful. By this time the heavy smoke forced them down to the lobby, where they learned that the fire was much worse than they had imagined and that the majority of the people there were hysterical. Throughout the room were bloody foot prints left by those who had cut their feet in an attempt to break through the windows and use the fire escapes.

Six persons were killed and 21 persons were injured in the fire which occurred March 10.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 14, Vol. 3

Langley Field, March 25-31, 1944

Page 1

### C. W. JOHNSON, SR., DIES AT HOME IN ORLANDO, FLA.

C. W. Johnson, Sr., former sign painter in the Reproduction Section, died in Orlando, Florida, Wednesday night, March 22.

Mr. Johnson had been in ill health for about two months and in February he resigned his position with the NACA to return to his home in Florida to recuperate. He began working for LMAL in August of 1942.

Mr. Johnson has a son and a daughter-in-law working here at the Laboratory. They are C. W. Johnson, Jr. of the Project Engineers, and Dorothy Johnson of West Area Blueprint.

### LAB EMPLOYEES WILL TRYOUT FOR HAMPTON THEATER PLAY

Langley Laboratory employees who are interested in amateur theatricals are invited to attend play tryouts to be conducted by the Hampton Little Theater at 3 p.m. Sunday, March 26, at the home of Mrs. Frank W. Darling in Hampton.

Tryouts will be for parts in the three-act psychological melodrama, "Guest In The House".

### TWO EYES AREN'T ENOUGH, PROSPECTIVE COMPUTER FINDS

A lot of persons can sympathize with the young woman who sent the following telegram to the Langley Laboratory Employment Office:

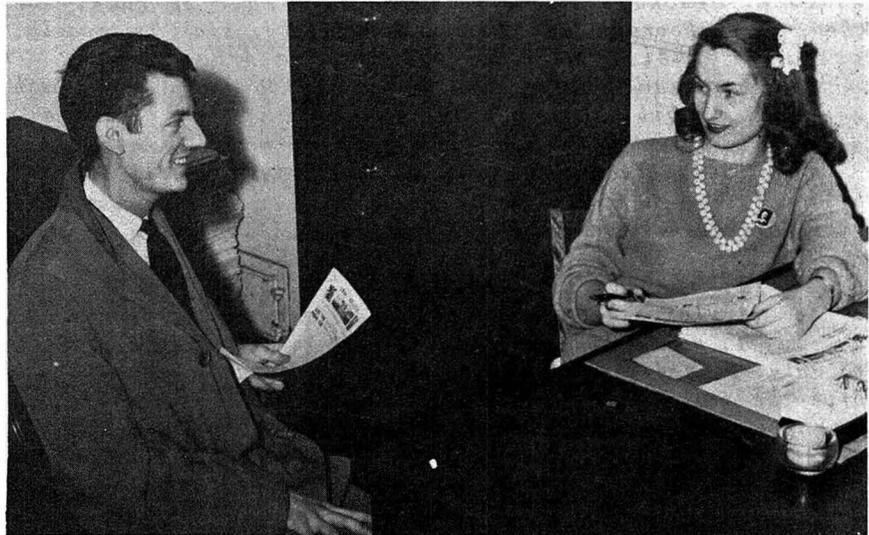
"REGRET UNABLE TO ACCEPT OFFER COMPUTER AT LANGLEY FIELD DUE TO EYES TEMPORARILY FAILING ON INCOME TAX REPORT."

## GREEN COW TO SPONSOR SPRING DANCE APRIL 21

The executive committee of the Noble Order of the Green Cow will hold its next dance on Friday, April 21, at 9 p.m. at the Hampton Armory. Red Overton and his orchestra will furnish the music.

Bill Craig, the chairman of the committee, stated that he was glad that for once Laboratory employees would have more than a week's notice before a dance. "We've had a heck of a time making arrangements for the Armory and Bands recently" Craig said. "However, the committee got together last Sunday and in 15 minutes had made all arrangements for the dance. It was a stroke of pure genius or sheer luck".

Season tickets are still on sale for \$3.50 and may be purchased from any member of the committee: Bill Craig or "Tiny" Hutton in the Personnel Offices, Charlie Kelly, Full Scale Tunnel, and Sid Batterson at the Impact Basin.



WELL AND HAPPY: Tommy King, who spent three months in the Norfolk Marine Hospital after suffering near-fatal injuries while at work in the Model Shop, paid a visit to the Bulletin Office last week and also chatted with his friends in the Model Shop before going to his home in Washington for a two-month rest. Tommy said he was feeling better every day and had high praise for the treatment and attention he received at the Marine Hospital. Tommy will keep in touch with the Laboratory through the Bulletin, which he will receive each week at his home in the Capital City.



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor . . . . . H. Lee Dickinson  
 Managing Editor . . . . E. McKinley Hutton  
 Associate Editor . . . . Ruth Angel  
 Art Editor . . . . . Ben Vogel  
 Reporters . . . . . LMAL Employees

## STRUCTURES SOFTBALL CHAMPS TO PLAY BULLETIN ALL-STARS

Structures Laboratory, 1943 softball champs, will inaugurate the 1944 softball program with a pre-season game against the Bulletin All-Stars, selected at the end of last season by a player poll. Further information about the game will be announced at a later date.

Members of the title-winning Structures team included Manny Stein, Pat Chiarito, Si Diskin, captain, John Neff, Bill Sperry, John Kousz, Walter Wood, Leonard Bartone, Norman Rafel, Carl Rossman, George Zender, Evan Schuette, John Houbolt, Rolla Boughan, Harold Crate, and Joe Kotanchik.

First stringers on the all-star combination were Diskin, Roy Lange, Ira Ramsey, Gene Draley, Jerry Brewer, Claude Hart, Bartone, Harold Sueberg, Bill Nelson, Paul Marchal, and Anshal Neihouse. Second team members included Dale Burrows, Abe Cohen, Stan Spooner, Axel Mattson, Bob Little, Nick Mastrocola, Rossman, Houbolt, W. Hagginbothom, and Arvo Louma.

All-star team members have been asked to communicate with Neihouse, Stability Tunnel, immediately in order that arrangements for the exhibition contest may be completed.

At a recent league meeting, it was agreed by all present that each team to enter the league this year will be assessed \$15 before the season begins. This money will be used in purchasing bats, balls, and other equipment necessary for the successful operation of the loop.

The regular season is scheduled to get under way on Monday, May 1, and will carry through the months of May, June, and July. Play-offs will be staged during August and shall involve the four teams finishing on top during the regular season. The league at present is comprised of 14 teams.

A rules and regulations meeting was held March 23. Decisions reached at this meeting will be published in next week's Bulletin.

## NEED FOR ADDED PERSONNEL CITED

"People with the needed qualifications who want to do something really effective to help the country at time of war cannot hope to find work of more vital importance to the nation", John F. Victory, NACA Secretary, was quoted in the March 13 issue of "Aviation News".

The magazine pointed out that the NACA, with a staff which expects to grow

from its present 5,000 total to 6,500, "has broadcast a call for engineers, instrument makers, sheetmetal workers, toolmakers, machinists, electricians, and automobile and engine mechanics to carry on the NACA's augmented aviation research program". There are hundreds of openings available for women computers, draftsmen, and stenographers.

# USO NEWS

This week's program at the Hampton Industrial USO begins March 26 with open house. The bridge club meets at 8 p.m., March 27. On March 28 at 8 p.m. the American Legion will meet. A movie, "All By Myself", starring Neil Hamilton and Louise Beavers, will be shown at 8:30 p.m. March 30. An "eatin' meeting" is scheduled for 5:30 p.m. March 31. An informal dance will feature the April 1 calendar.



—Vultair.

### PERSONNEL DIVISION OFFICES CENTERED IN SERVICE BUILDING

A large number of the activities of the Personnel Division were centered in the Technical Service Building last week upon the opening of several new offices in the space formerly occupied by the stockroom. The new offices were built in record time after the stockroom's departure.

The Personnel Officer and Assistant Personnel Officer have offices which are joined by a reception room in which all Personnel correspondence is handled.

The Housing, Rationing and Transportation Office is also located in one of the new offices. The telephone is 377.

Joe Burke profited more than any one else by the move; in addition to a new office and desk he acquired a private telephone, number 358.

**LOST:** A blue figured silk scarf in the East Area Cafeteria. If found, please contact Jeanne Dodson, Payroll.

# CITES IMPORTANCE OF RESEARCH IN WAR EFFORT

From "Wing Tips"

At an AERL 'Smoker' held recently in Cleveland, 400 members of the research staff heard John F. Victory, Secretary of the Committee and recognized authority on aeronautics, tell them why they must serve behind the scenes in civilian clothes.

Laboratories at War! That was the picture his words painted. A picture of laboratories in Germany and Japan pitted against the laboratories in Russia, England, and the United States. Their objectives, he told them, are the solution of the critical military problems of the Army and Navy. Their weapons are the facilities for research. Their ammunition is the findings of research.

Behind the boys in the cockpits of the planes over Germany is the research work being carried on in the laboratories of the NACA. In Germany research engineers work night and day to find the answers to the devastating attacks by our aircraft. Given time she will find the answers. Time! Before she has that time our research engineers must find the means to enable our air forces to crush her in the air and destroy her production behind the lines.

*"It Is A Challenge"*

'It is a grave and vital responsibility', said Secretary Victory. 'It is a challenge'.

He took his audience back to the era when Hitler came into power, 'when aeronautical leaders in Europe conceded that America was at least 10 years ahead of any European nation in the field of aeronautics'.

How was time measured?

'These leaders said then that if America were to stop its research work on aircraft, it would take Europe at the rate it was making progress 10 years to catch up.

'But Hitler took a lesson from the progress in this

country. He multiplied his research facilities to five times the size of ours, and thus greatly accelerated German progress in aircraft development.

*Studies NACA War Status*

'However we weren't asleep', said Secretary Victory. 'We had read the handwriting on the wall'. A committee headed by General Westover was already studying the status the NACA should have in time of war...and came to the conclusion that the NACA in time of war should serve as a research and engineering facility of the Army and Navy Aeronautical Board. The Westover Committee recommended expansion of NACA research facilities. Today approximately \$23,000,000 has been spent in Cleveland alone in this program of expansion.

'We are now living in the days for which we have been preparing', Mr. Victory stated. 'With our country at war, it is incumbent upon us to furnish quickly the answers to a multitude of difficult problems. Between the last two monthly meetings of the Committee 35 new and urgent requests for special studies and investigations came to us from the Army and Navy.

'The problems come to us too fast for us to keep up with them - which leads to the crisis just coming to a head.. and to the plan, recently an-



John F. Victory

nounced, whereby essential draft-eligible employees will be inducted, and transferred to the inactive reserve so as to permit their continued effective use in the vital war work of the NACA.

*Time Is Vital*

'England and the United States are making an all-out effort to crush Germany by air. There never has been an offensive developed for which a defense cannot be devised. Germany has the intelligence, the resourcefulness, the capacity, and the necessity to devise a defense; she lacks only time. Our purpose in this war is to crush Germany before she has time to develop a defense adequate to bring the air war to a stalemate as the British did in 1940 in the Battle of Britain'.

Recalling the essential assistance of the NACA to the Boeing Company in the development of the Boeing flying fortress, and that airfoils developed by the NACA are now used by all aircraft in all countries, Mr. Victory spoke specifically of present contributions of the Committee to the war effort.

*Work Is Essential*

'In the judgement of the agencies of the Government charged with the winning of this war, the Army and the Navy', the speaker concluded, 'the service that you essential employees are rendering at AERL is of more value to the nation in the winning and shortening of the war than it would be were you in active military service.

'You are doing good work that is becoming increasingly effective and valuable to the armed forces. But they are calling for more answers to more critical technical problems and they need them quickly. This is a challenge to every employee to do his best so as to hurry the successful termination of the war and put an end to the loss of life and expenditures of more than \$10,000,000 an hour.



# SPORTS



## BASKETBALL

The last games of the regular season in the Laboratory Basketball League will be played Monday night at the Wythe School gym. Eight-foot Tunnel, conceded to be the loop champs, will play AFR; Structures will entertain IRL; and Tank and 16-foot, with no league victories to their credit, will battle for the cellar position.

In an exhibition game played Tuesday, March 21, previously unbeaten 8-foot was toppled by Structures, 8 to 7, in a game featured by tight defensive action.

### Wednesday's Games

AFR whipped 16-foot, 13 to 7, and PRT managed to beat out FRD, 17 to 5, in the final league game for the two teams.

### Monday's Games

8-foot 34, FRM 23: The score at the end of the first quarter was 7 to 5 in favor of the Flight Research basketeers. It was deadlocked at 16-all at halftime and at 20-all at the beginning of the fourth quarter. The 8-footers put on the steam at this point, however, and with Cletus Vincke, Hank Fedziuk and Felix Bieduk pacing the attack, went ahead to win. This trio made 10, 9, and 7 points, respectively. Chuck Bennett, with 9, and Gerry Myers and Claude Hart with 6 and 4 each, were high scorers for the losers.

Structures 36, Tank 14: Boasting a 12 to 8 lead at the beginning of the second half, Structures' sharpshooters went to work and netted 24 points to come out far ahead and gain undisputed possession of second place in the league. Scoring honors went to George Baab, with 10 points; Dave Ochiltree, 9, and George Zender 8.

PRT 37, IRL 20: By consistently intercepting passes and making a high percentage of the field goals attempted, the fast-passing PRT team swamped IRL and moved the losers from a share in second place to a tie with PRT for third position in the league. Abe "Caper Cutting" Cohen and Mark "Firewagon" Nichols were the leading PRT scorers with 12 and 10 points. PRT proved strong under both baskets, Nichols taking several rebounds and turning them into points. IRL had a hard time penetrating the PRT defense, forcing the Instrument boys to try several long shots. Howard Edwards was especially adept at making these "pot shots". Arvid "The Kid" Keith, PRT's able coach who is being kept from active playing by a finger injury, kept a refreshing supply of substitutes coming into the game.

### BRAIN BUSTERS TO MEET MARCH 26 AT USO CENTER

A meeting of the Brain Busters will be held at the Industrial USO on Sunday night, March 26, at 8:30. The purpose of the meeting will be to discuss the new rules set up by the Academy of Model Aeronautics and to decide on the possibility of contests for this season.

All members of the club

WANTED: The softball league would appreciate any donations of old leather belts, buckles, and canvas or any other similar material suitable for making bases. Anyone having any donations please contact the Bulletin Office.

are urged to be present and any other persons wishing to join are invited to attend the meeting.

## POSTAL RATE INFORMATION FURNISHED BY POSTOFFICE

The following information relative to increased postage rates, effective March 26, has been furnished the Laboratory by the Superintendent of the Langley Field Post Office.

Three cents (3¢) per ounce for ordinary letters; this includes local delivery. (No more two cents (2¢) letter rates).

Domestic air mail eight cents (8¢) per ounce.

Air mail rate to members of armed forces overseas remains at six cents (6¢) per half ounce.

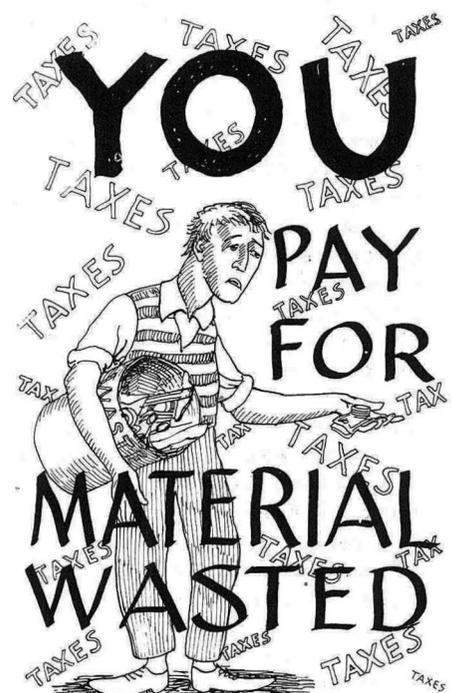
Money order, registry, insured and fourth class fees and rates are slightly higher.

Senders receipts are four cents (4¢). Requested subsequent to time of mailing, seven cents (7¢).

Restricted Delivery of registered, insured and C.O.D., twenty cents (20¢).

LOST: A trench coat was taken by mistake from the East Area Cafeteria last Monday, March 20. Fred Chalfont, Dynamic Model Shop, has the coat that was left in the cafeteria in place of his, but he would like to find his own.

\*\*\*



# LIFE AT THE LABORATORY

**PROUD PAPAS:** Bill Nelson, head of Propeller-Research Tunnel, is the proud papa of a son, William, Jr., born last week....Paul Huber, Dynamic Analysis, was passing out cigars Monday. He has a new son, John Richard, born Saturday, March 18.

**ILL WINDS:** Norwood Evans, Employment Office, who underwent an operation last Thursday, March 16, at the Dixie Hospital, is reported as getting along nicely....Ethel Stuart Duval has left the Free Flight Tunnel due to ill health and returned to her home in Arvonnia. Virginia Finch, AWT, is ill at her home in Middlesex, N. C.

**WELCOME BACK:** The Lab welcomes Melvin Butler, Personnel Officer, back after recuperating from a recent appendectomy.

**VISITOR:** Jack Johnson, formerly of the Dynamic Model Shop, was given a big welcome by friends when he visited the Lab last week. Jack is now a first lieutenant in Uncle Sam's Army.

**SOCIAL COMMITTEE:** The social committee for the Tanks has been elected and the name "Hydrosots" has been decided on. Bruce Amole has been chosen Chairman of the whole committee; John B. Dawson, Chairman of the social committee; Louise Phillips, Chairman of the gift committee; Elizabeth Hay, Treasurer; and Allie Faye Ellis, Secretary.

**HERE AND THERE:** Patsy Coe, ALD, visited her home last week-end and was unable to return to work on time because she was snowed under in Fredericksburg....Kenneth W. Brown, L Purchase, leaves Monday, March 27, to become one of Uncle Sam's boys....Isabelle Martin, ALD, is back at work after a visit to her home in Bowling Green....Dorothy Beadle, ALD, visited the Woman's College of North Carolina,

Greensboro, last week-end....Fred Chalfont, Dynamic Model Shop, has returned to work after a visit with his mother in Clarksburg, W. Va.. Edith Justice, Employment, has returned from a visit to her home in S. C....Gladys Fulton, ALD, is back from a visit to Washington.... Shirley Riley, Structures, spent last week-end in Baltimore....Teddy Peebles, Office Services Division, is spending the week-end in Raleigh and Greensboro....Bob Souter, ALD, is back after a trip to Washington....Jewell Whatley, ALD, is visiting in Opelika, Alabama....Mary Lou Mackie, Editorial Office, is attending a wedding in Raleigh....Jerry Bidwell, Tank, and wife Marjorie of Engineering Section, are vacationing in Hartford, Conn....Ann Ingle and Hank Elksnin, Engineering Section, are visiting Ann's home in Florida.

**PARTYING:** ALD had a Division party last Saturday night, March 18, at the home of Virginia Smith. The party was given for Chet Weger and Charles Rumsey who are leaving for the Navy April 1. Hank Pearson, Assistant Division Chief, proved to be the belle of the party; he and Virginia Smith entertained guests with a jitterbug exhibition....The AWT had a successful "launching" of its new section head, George Recant, at a party given at the apartment of Bob and Frances Liddell last Saturday night, March 18. One of the outstanding features was the exhibition of Bob Liddell's self-made wind tunnel....Kay Desander, Files, had a surprise birthday party for Mary Reed, Information, last Monday night, March 20. It was a big success because Mary was really surprised.

**ROMANCE:** Helen Cash, a former messenger, is planning an April wedding. She will marry Lieutenant John Brinkman, of Chatham Field.

## MANUAL HANDLING OF MATERIALS



ANY UNSAFE PRACTICES HERE?

1. Man lifting with back instead of legs.

2. Obviously has on cast-off summer shoes--should be safety shoes.

### ANNOUNCE HAMPTON CHURCH'S RECREATIONAL PROGRAMS

The First Methodist Church of Hampton extends an invitation to all NACA employees and their friends to attend their Recreational Program every Saturday night from 7:30 to 10.

The program includes roller skating, badminton, ping pong, moving pictures, group games, and light refreshments.

Movies are shown every other Saturday night and group games are played on the alternating Saturday nights. The older persons between 18 and 30 meet upstairs and the younger downstairs.

The recreational program is sponsored by the Youth Fellowship of the church.

# Service Notes...

The Bulletin Office received three letters during the past week from former Lab employees who are on the service men's mailing list. They included Private George Sadler, Jr., Private Edward W. Reuben, and Pfc. John S. Harrington.

Sadler, whose address is the 405th Training Group, Flight A-126, Miami Beach, has been assigned to basic training in the resort city. He qualified for aviation cadet training after completing all the necessary classification tests. He sends regards to "all the fellows at the field", and says he would like to hear from his friends here.

Harrington was called to active duty in the Air Corps on March 2, last year. He worked at the Lab from July, 1941, to September, 1942, at which time he resigned to study engineering at West Virginia University. He completed his basic training at Sheppard Field, Tex., and served at an airplane mechanics school before going to the Overseas Replacement Depot at Goldsboro, N. C. While at Goldsboro he visited the Peninsula and renewed old acquaintances. He receives his mail now through the Postmaster at San Francisco. 'Although I am an airplane mechanic, I shall apply for navigation training in the air crew training program of aviation cadets', he writes. He plans to continue his schooling as soon as the war is over.

Reuben, stationed at Greensboro, N. C., reports that he received word from Paul Gilbert, formerly of the Model Shop, who has made the grade as Air Cadet and is stationed at a field in Texas. (Reuben is also trying for Air Cadet). "I also received a swell letter from Harold Zeger (formerly of the Photo Lab), who is going to Photo School, down in Florida", said Reuben, who adds that Zeger is assigned to the Navy. Reuben concludes with the admonition to "keep those Bulletins a-coming" and "... Keep 'Em Flying".

## LUNCH HUNCH

Next time you fix cabbage, save the heart for lunch boxes. Wrapped in damp paper towel and then in waxed paper, those crisp, crunchy pieces make a swell out-of-hand salad.

**FOUND:** The following articles have been found and the owners may obtain them by calling at the Bulletin office in the Administration Building. A man's navy blue sweater; a leather key case with two car keys, a door key, and two other small keys; a strand of pearls; a pair of women's brown kid gloves; two men's pigskin gloves; a pair of women's brown gloves trimmed in kid.



This is a funny world. Its wonders never cease; all "civilized" people are at war, all savages are at peace.  
—The Norfolk Seabag.

Mess Sgt.: "Private, you're not eating your fish. What's wrong with it?"

Pvt.: "Long time no sea."  
—The Communique.

Beneath this stone lies Murphy, They buried him today. He lived the life of Reilly While Reilly was away.  
—The Medical Soldier.

Definitions not found in Army manuals: A Second Lieutenant is a guy who sometimes looks back wistfully and wishes he were an enlisted man again — or at least a Captain.  
—The Communique.

Mail orderly at mail call: "Letter for Cdadwinskiendnozslly."

Voice from the rear: "What initials?"  
—Broadcaster.

You tell it to  
**SOMEONE**  
who repeats it to  
**SOMEONE**  
who's overheard by  
**SOMEONE**  
in Axis pay, so  
**SOMEONE**  
you know . . . may die!



# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 15, Vol. 3 Langley Field, Virginia, April 1-7, 1944

Page 1

### STRUCTURES, ALL-STARS TO PLAY APRIL 23

Plans have been completed for the pre-season softball attraction which will bring together Structures Research, 1943 champions, and the Bulletin All-Stars. The game will be played on Sunday, April 23, at 2 p.m. at Darling Memorial Park.

In event of inclement weather, the contest will be postponed until April 27.

Meanwhile, plans are going forward for the operation of the LMAL Softball League this season. There are 14 teams entered, including the Engineering Section, Bat Busters, Full Scale Tunnel, 8-foot High Speed Tunnel, Tank, AWT, Low Turbulence Tunnel, Structures, Instrument Research, PRT, Aircraft Loads, East Area Shop, Flight Research, and 19-foot Tunnel.

### NAME SOUTHERNERS FOR APRIL 21 DANCE

The Green Cow executive committee members were evidently so overjoyed at completing arrangements for the next dance so far in advance, that they forgot which band they hired. The story in last week's Bulletin stated that Red Overton would furnish the music when it should have read that Blair Blanton and the Southerners would occupy the bandstand.

Bill Craig, chairman of the committee, announced that the booking of the Southerners was in keeping with the new idea of presenting a variety of dance music to the prom trotters. Bob Savage and Red Overton have been presented at the preceding dances of the

year.

The Southerners are regarded as one of the "tops" of local bands. They have a style that encompasses both sweet and hot. Among the featured attractions are the stars of the WGH radio show, "Songs by Shirley and Blair", which is heard over the local airways each Thursday at 7:45 p.m. Blair Blanton is the piano playing leader and Shirley Linkus the petite vocalist. Also featured with the band is the hot trumpet of Bert "beat to the socks" Miller, of the West Sheet metal Shop.

The dance will be held at the Hampton Armory on Friday, April 21, from 9 until midnight.

### NEWS OF THE 'COCONUT' FRONT

This might sound like 'monkey business', but it's really a true story about Pfc. Elmer W. Greene, Jr., brother of Shirley Greene of the Laboratory's stenographic section.

Private Greene saw plenty of action on the Kwajalein and Eniwetok atolls. 'I heard the bullets whistle over my head more than once...and was knocked down by concussion once', he wrote.

But despite the bullets and mortar fire of the Japs, the 'crowning' blow for Greene came when he was knocked unconscious by a falling coconut.

### ELEVEN RETURN TO LAB IN ACER

Eleven Laboratory draft-eligible men who have come under the Army-Navy NACA Personnel Plan have been inducted and ordered to LMAL in the Air Corps Enlisted Reserve, according to a report made by officials here.

First to return was Charlie E. Rogers, who came back on March 20. William A. Eareckson, Jr., and Charles B. Edwards, Jr., returned on March 22. Eight came back on March 27, including Alvin W. Brittingham, William C. Burtner, Francis R. Dreisbach, Theodore H. Elder, Hugh C. Halliday, Louis M. Nucci, Harry C. Shoaf, and Andrew Veryzer.

Two other men, John T. Law and David E. Hicks, who had received their preinduction physical exams before the Army-Navy NACA Personnel Plan's list of essential employees was officially approved, did not elect to come under the plan when they reported for induction.

Law and Hicks had been assigned to the Navy at the time they passed their preinduction physicals. Both were on the essential list and at the time they reported for induction they carried certificates requesting their return to LMAL by way of the ACER. However, since the plan is entirely voluntary with the individual, they were not returned as a result of their own choice.



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*Conservation Needed*

A report from the Stock Section indicates that there is a critical shortage of paper towels. "It is almost impossible to obtain them at the present time", we are told.

Employees are urged to practice conservation in the use of paper towels. It has been suggested that one way to do this is to let as much water as possible drip off the hands before trying them with a towel. When this is done only one towel is usually needed.



**FIGURES SHOW WORK GROWTH**

*From Aviation News*

The increased operations and importance of the work being done by the National Advisory Committee for Aeronautics is reflected in the 1945 fiscal year estimated appropriation listed at \$23,454,500 as compared with the \$15,672,000 for the 1944 fiscal year.

There is pending, in the deficiency appropriation bill, an item of \$2,398,415 for NACA general operating expenses and in addition there are three supplemental estimates for constructions: \$8,804,200 for Langley Field; \$2,249,100 for Moffett Field and \$3,936,000 for the Cleveland laboratories.

Dr. Jerome C. Hunsaker, chairman, told a house appropriations subcommittee that in spite of wishful thinking and hoping, we have to prepare for a long war.

He declared: "we must go on the idea that it is a war with increasing pressure for full supremacy in the air. That is the critical thing in the war and we can take no chances on losing that air supremacy".

*If a man empties his purse into his head, no man can take it away from him. And investment in knowledge pays the best interest.*

-B. Franklin

*No man ever worked his passage anywhere in a dead calm-kites rise against, not with the wind.*

-John Neal

**NACA BOND RECORD DURING FEBRUARY**

	Washington	Langley	Ames	Cleveland	Total
Number of employees	126	2480	530	1677	4813
Number participating	121	2330	503	1469	4423
Percentage participating	96.03	93.95	94.9	87.6	91.9
Monthly pay roll	\$27,872.	\$503,233	\$121,248	\$399,295	\$1,051,650
Amount Subscribed	\$3,588	\$66,178	\$13,073	\$38,620	\$121,461
Percentage subscribed	12.9	13.15	10.7	9.67	11.5
Average subscription	\$29.66	\$28.40	\$25.81	\$26.30	\$27.46

PHOTOGRAPHIC PROCESS BOOK  
MAY BE PURCHASED AT \$4.50

Dave Ullman, ICL, phone 328, reports that he can arrange to supply at reduced rate the book, "The Photographic Process", by J. E. Mack and M. J. Martin, to any employee interested.

The cost under the reduced rate is \$4.50, Mr. Ullman said, adding that this price was obtained because of the large number which are being ordered at one time. Any one interested should notify Ullman immediately.

WHAT NEXT? "Factory Management" magazine reports that one use suggested for the helicopter is to carry girders and beams to high buildings or bridges and hold them in place while they are being fastened. This would make derricks, elevators, and cranes unnecessary for this purpose.

## USO NEWS

This week's program at the Hampton Industrial USO begins on April 2 with open house and a meeting of the Brain Busters. On April 3 at 8 p.m. the bridge club will meet. The American Legion will have a meeting on Tuesday, April 4. A movie "He's My Guy", starring Dick Foran and Irene Harvey will be shown at 8:30 p.m. on April 6. The April 7 calendar will feature an "eatin' meetin'" at 5:30 p.m. On Saturday night, April 8, beginning at 8:30, there will be a dance.

LOST: A book "Physical and Dynamical Meteorology" by David Brunt. If found please call Bob Souter at Aircraft Loads.

NEW NUMBER: Stability Tunnel Head, 325.

## OPERATIC SOCIETY TO GIVE KALMAN'S 'COUNTESS MARITZA'

The Newport News Operatic Society is presenting "Countess Maritza", by Emmerick Kalman, in the Newport News High School Auditorium on Monday, Tuesday, and Wednesday nights, April 17, 18, and 19. Admission will be \$1.20 and tickets may be obtained from Lucette Biver, Cost Office.

## BOOKS ON 'COMPLEX VARIABLE' AVAILABLE FROM MR. GARRICK

I. E. Garrick, Physical Research, phone 332, has available at \$1.60 each, eight copies of the book, "Functions of a Complex Variable With Applications", by E. G. Phillips.

These books were ordered last fall for a University of Virginia extension course and arrived from the publisher four months late. Any one interested in obtaining one may communicate with Mr. Garrick.



BASKETBALL CHAMPIONS: In a highly successful LMAL basketball season, championship honors went to the 8-foot High Speed Tunnel team. Approximately 100 staff members participated in the abbreviated season's play, showing a keen spirit of competition and good sportsmanship. The champs include (from left): Front row-- Hank Fedziuk, James Delaney, Capt. Arvo Luoma, Ralph Bielat, and G. E. Niles. Back row--C. A. Clarke, manager; A. T. Mattson, Felix M. Beiduk, W. S. Aiken, Donald Baals, and Cletus J. Vincke. Team members not in the picture were Bob Forrester and Bob Pendley.

# Service Notes...

A new name was added to our mailing list last week--that of Staff Sergt. Philip Fruchtman, who formerly worked in the Laboratory's West Sheetmetal Shop. He is a radio operator and gunner on a B-24. "Pinky", as he is known to many of his friends here, had completed six missions over Germany at the time of his last letter early this year.

We also received more letters last week from fellows on the mailing list:

One was from Private Viggo G. Dereng, who is attending Bombsight and Automatic Flight Control Maintenance School at Lowry Field in Denver, Colo. He sends a 'hello and best of luck' to all his old friends and says he would welcome any news from the 'gang'.

Howard 'Benny' Miller writes to say that he has been transferred from Freeman Field in Seymour, Ind., to Western Kentucky State Teachers' College in Bowling Green, Ky., where he is an aviation student. 'The longer I'm away from NACA, the more I realize the importance of the work...I'm looking forward to the time when I can again return to NACA and take up where I left off.'

Bobby "Shorty" Harrison, who is undergoing basic training at Aberdeen, Md., in a letter to Melvin N. Gough, head of the Flight Research Division, tells something of his experiences while learning to fire the Army's 30-caliber rifle.

"...To show you how scared I was, when I fired by second shot, I had tears rolling down my face. I overcame my fright and on my second fire I made a score of 162 (sharpshooter)... He said he got a big kick out of firing it after "I got used to it and I couldn't understand why I was scared of it..."

"Shorty" says he is preparing for a week in the woods in pup tents and has discovered at least one advantage in being small. "My feet will not stick out the end of my tent at night. Then too, I won't have to dig as big a fox hole as the larger fellows..."

CONDOLENCES to Dr. Calvin N. Warfield, AID, on the death of his father Friday night, March 24, in Baltimore.

## LIBRARY NEWS

The following new books are available at the Library in the Administration Building:

629.134 Markley, James M. Text-book edition. Fundamentals for the Aircraft Mechanic.

621.884 R74 Roth, Marvin G. Manual of Aircraft Riveting.

778.34 G85 Greenwood, H. W. Infra-red for Everyone.

015.7 P96 Publishers' Trade List Annual.

629.13435 Sm5 Smith, G. Geoffrey. Gas Turbines and Jet Propulsion for Aircraft.

629.135 Ad1 Adams, Harold W. Aircraft Hydraulics.

517.21 B78 Bromwich, T. J. I'a. An Introduction to the Theory of Infinite Series.

671 L64 Linde Air Products Co. Oxy-acetylene Handbook.

530.1 N39 Neumann, Johann von. Mathematische Grundlagen der Quantenmechanik.

516.14 M61 Miller, J.C.P. Tables for Converting Rectangular to Polar Coordinates. Plastics Catalog for 1944.

651.4 B25 Barnard, C. I. Functions of the Executive.

629.1323 Un3 U.S. Naval Academy. Physics of Aviation.

629.135 US Atmosphere; 1942.

535.3 P93 Pringsheim, Peter and Vogel, Marcel. Luminescence of Liquids and Solids.

623.5 C85 Cranz, Karl Julius. Lehrbuch der ballistik. 3 vols. and supplement.

629.134384 V75 Vine, David. Reference book of aircraft wheels, brakes, and oleo struts.

629.1345 Norton, Stephen John. Inspection of Aircraft After Overhaul.

★ ★ ★

She: "My Dad takes things apart to see why they don't go."

He: "That's interesting, but so what?"

She: "You'd better go."

—Broadcaster

## BRAIN BUSTERS DISCUSS RULES

The rules discussion conducted by the Brain Busters on March 26 at the Hampton Industrial USO was attended by nine members who aired their views in regard to the 1944 rules as presented by the Academy of Model Aeronautics. All present were agreed that the Academy rules "are too stringent and unfair" and should be disregarded by the Brain Busters.

Among suggestions for rules to be used in Hampton were:

1. That AMA 1943 rules should be followed, with a shorter motor run as used locally in 1943.

2. A minimum wing area of 1500 square inches per cubic inch piston displacement, with no regard to wing or power loading; no cross-section.

3. Increase wing loading to 12-15 oz. per square foot and increase the motor run.

4. Limit planes only to class according to AMA rules for A, B and C engines. No wing loading, power loading, cross-section, or wing area rulings.

The next meeting will be held Sunday, April 9, at the Industrial USO. Paul Marchal, Jr., acting secretary, announced that the club wishes to formulate rules in the best interests of the majority of members and urges a full attendance at the session.

### BUY MORE WAR BONDS

#### PLAN 'SUNRISE' SERVICE AT MRS. DARLING'S HOME

The young people of Hampton are sponsoring an Easter Sunrise Service to be held on Sunday, April 9, on the lawn of Mrs. Frank W. Darling's home in Hampton. This will be the second annual Sunrise Service.

The program will start at 6:30 a.m., with Dr. William A. Aery leading the meditation. Elizabeth Chapman, violinist, will furnish the music.

# Life At The Laboratory

**HERE AND THERE:** Helen Walker, Stocks, is visiting a friend at Fort Bragg, N. C....Oleta Church and Marge Bullock, AWT, spent the week-end at Oleta's home in North Wilkesboro, N.C... Margaret Farmer, AWT, is spending a few days at her home in Wilson, N. C....Shirley Huxter, 16-Foot Tunnel, has returned after a visit to her home in Richmond....Fat Chiarito, Structures, has gone to his home in New York to visit his brother who will soon go overseas....John Duburg, Structures, is back after a visit to New York....Louise Faul, AWT, visited her family in Washington, N. C., last week....Joe Kotanchik, Structures, is back after a visit to Philadelphia.

**VACATION RHAPSODY:** Ruth Smith, Construction, and her husband, who has just received his second lieutenant's commission, have returned after spending twelve days in Detroit....Billy Warren, AWT, is spending a few days at her home in Sumter, S.C...Herman Ankenbruck, Free Flight Tunnel, has returned from Baltimore where he visited his brother, who is stationed there with the U. S. Army....F. K. Deck, Dynamic Tunnel Operations Shop, has left the Lab to help his father on his farm.

**MISCELLANY:** Ruth Barnhart, Spin Tunnel, has returned from a visit to her home in Albuquerque, N. M. She brought a bottle of Albuquerque dirt to Tom Snyder so he would know just what the place looks like....Dot Estes, 19' Pressure Tunnel, has returned after a visit to her home in Greensboro, N. C...Hazel Philyaw, 19' Pressure Tunnel, took a train to Washington last week-end and "flu" back. She was out of work for three days. Bob Graham, 19' Pressure Tunnel, and his wife, Nell of L Purchase, are back from a visit to Raleigh.

**VISITOR:** Lieut. Carl J. Wenzinger, former head of 19' Pressure Tunnel Section, visited the Lab last Tuesday, March 21.

**ILL WINDS:** Buck Barber, Construction Purchase, who has been ill for the past few weeks, is recuperating at his home in Hilton....Marie Bird Allen, Head of 16' Tunnel Computing Section, is back at work after recuperating from measles.... Dorothy Bria, AWT, is at her home in Hampton after undergoing treatment at the Base Hospital.

**PARTYING:** The boys of Club 55 had a party last Friday night, March 24, honoring Bob Weinberger, who celebrated his birthday. Bob was a quarter of a century old....Free Flight Tunnel had another of its well known parties Friday night, March 31, at the Hampton Yacht Club.

**BRIDGE TOURNAMENT:** The first round of the 19' Pressure Tunnel's bridge tournament was so successful that the staff is planning to run off another round. Owen Deters and Ralph Avakian were the high scorers. Jerry Teplitz and Helen Flanagan, who were slated for last place at the end of the first play off, surprised everyone by ending up in second place; and to prove their ability they are entering the ALD bridge tournament.

**PROUD PAPA:** Howard H. Morris, Assistant Chief of the Technical Service Department, is the proud father of a son, Howard H. Morris, Jr., born Tuesday, March 28.

**OUTSTANDING:** In the battle for the cellar position in the basketball tournament, played off between Tank and 16' Tunnel last Monday night, March 27, Leonard Damratowski of Tank, proved to be one of the outstanding players for 16'. In the midst of all the confusion, he dropped the ball in the basket to score 2 points for the opponents.

**NEW ARRIVAL:** Frederick Breisch, West Machine Shop, is the father of a new son, born March 23 at Dixie Hospital.

## CLEVELAND CLIPPINGS

**HOMES READY:** Riverside Park, a new housing project, is nearing completion. Some NACA employees have already moved in.

**SMOKER:** Carlton Kemper, Executive Engineer of AERL, was principal speaker at the "smoker" for Laboratory employees held on March 23.

**STUNT NITES:** Stunt Nite shows were staged on three different evenings to accommodate the large number of employees who received free tickets by virtue of their purchasing \$25 bonds during the Fourth War Loan Drive.

**FOSTER ILL:** Hampton Foster, formerly of LMAL and now head of the Multicylinder Diesel Group at AERL, is convalescing from several weeks' illness.

**SPORTS:** Basketball, golfing, bowling and rifle shooting hold the AERL sports spotlight. A rifle range is being built in the basement of one of the Lab buildings.

### "WORST AID"



#### ANY UNSAFE PRACTICES HERE?

Man removing splinter from finger with knife blade.

**LOST:** Arthur Kantrowitz has lost a book which is one of the Durand Series, Vol. 3. If found please contact him by calling 248.

## 8-FOOT TUNNEL WINS CAGE TITLE

The 8-foot High Speed Tunnel team outclassed the field and ran away with the Laboratory Basketball League championship, winding up the season with seven victories and no defeats in loop competition.

Trailing them in second place was the Structures Research quint, only team to defeat the champs, in an exhibition contest played two weeks ago. Structures won six. Their only loss was to the 8-rooters.

The champions ended the league season March 26 with a 31 to 24 victory over AFR. At halftime the high speeders were leading, 13 to 10. Their lead narrowed to 19 to 18 at the beginning of the fourth period, but Hank Fedziuk, who made 13 points during the game, paced the champs in the fourth period to widen the breach. Capt. Arvo Luoma and Cletus Vincke starred on the defense. Irwin with ten points was high man for AFR.

Structures defeated IRL in another March 26 game, 29 to 19, with Dave Ochiltree, Len Bartone, and John Houbolt tallying 12, 9, and 4 points respectively. From the second period on, Structures maintained virtually a 10 point lead.

In a battle for the cellar position, Tank won that "honor" by dropping a 31 to 18 decision to 16-foot. It was the first victory for the 16-footers, while the hydro boys have yet to taste victory.

### FINAL STANDINGS

Teams	Won	Lost	Pctgs
8' HST	7	0	1.000
Structures	6	1	.857
FRT	5	2	.714
IRL	4	3	.572
FRD	3	4	.429
AFR	2	5	.286
16' HST	1	6	.143
Tank	0	7	.000

Husband (answering telephone):  
"I don't know. Call the weather bureau."

Pretty young wife: "Who was that?"

Husband: "Some sailor who wanted to know if the coast was clear."  
—*The Armadier*

An asylum inmate sat fishing over a flower bed. A friendly visitor walked up to him and said, "How many have you caught today?"

"You're the ninth," quoth the inmate.  
—*Arizona Contact*

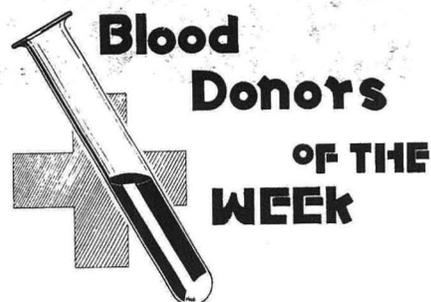
Drunk (to smartly uniformed bystander): "Shay, call me a cab, will ya?"

Bystander: "My good man, I'm a naval officer—not a doorman!"

Drunk: "Awright, awright, then call me a boat. I gotta get home."  
—*Broadcaster*

I followed her 10 blocks or more.  
A figure trim and neat;  
And then at last I saw her face  
As she turned off the street.  
And now I'm searching far and wide,  
And blood is in my eye.  
I'm looking for the man who said  
That figures never lie.

—*California Bruin*



### LMAL BLOOD DONORS

David R. Woodward, Tank No. 1. Emergency case at Dixie Hospital.

John H. Wood, Spin Tunnel emergency case at Dixie Hospital.

Marvin I. Haar, Tank No. 1, to wife of LMAL employee.

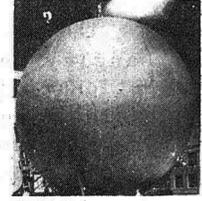
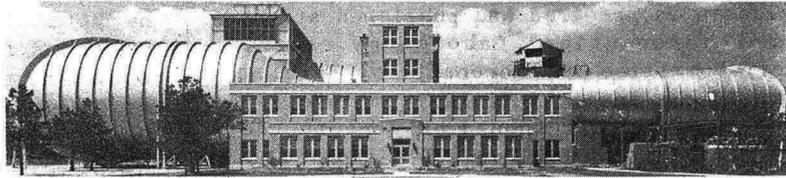
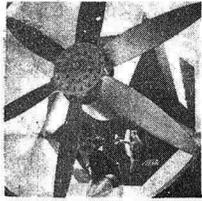
Jack Posner, Tank No. 1, emergency case at Dixie Hospital.

Durwood A. Dereng, Dynamic Model shop, emergency case at Dixie Hospital.



NEW CLUB: Five members of the Hampton Model Power Boat Club are shown with their models. They include (from left): Front row--James Betts and Freddie Jorgensen; Back row--H. F. Andrews, Curtis Martins, and Robert Folz. The club will meet at 8:30 p.m. April 2 at the Hampton Industrial USO to witness movies of a Baltimore regatta and shots of a model boat traveling 70-miles-per-hour. The club is interested in enlarging its membership and any one wishing to attend the meeting may do so. Officers are Betts, commodore; Martins, vice commodore; Andrews, secretary-treasurer; and Spencer Cardwell, corresponding secretary.

# L M A L B U L L E T I N



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 16, Vol. 3

Langley Field, Virginia, April 8-14, 1944

Page 1

### RECRUITING CARDS DR. BUSH PRAISED BY "TIME" BRING REPLIES AS GENERAL OF SCIENCE ARMY FROM 14 STATES

Early results on the recruiting campaign being conducted through the use of postcard folders show some interesting facts.

The cards were distributed to Laboratory employees, who were asked to send one or more to a friend or acquaintance interested in employment at LMA L.

To date, 40 replies have been received from 14 states. Twenty-three women and 17 men answered that they would like to obtain work here.

The states represented include Virginia, Missouri, Indiana, North and South Carolina, West Virginia, Wisconsin, Florida, Illinois, Michigan, Mississippi, Pennsylvania, New York, and Arizona.

Nine applications were received from persons seeking a professional rating, including 8 male and 1 female. There was 1 female draftsman, 12 female clerks, 1 female woodworker, 9 male and 1 female mechanics, and 7 females who applied for other type jobs.

Any employee wishing to send a card to a friend immediately may likely obtain one from a section which did not use its entire allotment. Additional cards are being printed and may be obtained within a few days from the Personnel Division.

Kindly-faced Vannevar Bush smiled from the front cover of Time Magazine last week. The reknowned member of the National Advisory Committee for Aeronautics had a reason for being happy: as organizer and general of the nation's science army, he had contributed immeasurably to his country's ability to hurt the enemy:

Said Time, in extolling Dr. Bush: The Office of Scientific Research and Development was his idea. Alarmed at U. S. unpreparedness in military technology, in 1940 he rounded up a few scientific cronies and cooked up a plan to organize the nation's research in case of war. (Time pointed out that in one military field, aviation, U. S. research was well advanced, thanks to the NACA).

One member of the "U. S. scientific high command" is NACA Chairman Jerome C. Hunsaker. Others are Harvard President James B. Conant, M. I. T.'s President Karl I. Compton, Caltech's Dean Richard C. Tolman, University of Pennsylvania's Dr. Alfred Newton Richards, the Army's Harvey Bundy, and Rear Admiral J. A. Furer.

Time reported that though radar and submarine-fighting devices are perhaps OSRD's most valuable contributions, to the men on the fighting fronts OSRD is known for a profusion of more prosaic but vital inventions which have played an immense and wide-ranging role in the war.

### TAX FORMS AVAILABLE AT LMAL; APRIL 15 DEADLINE FOR FILING

The 1944 declaration of more than \$100 of income from all other sources, provided his total income is expected to amount to \$500 or more.

2. Married and living with Spouse, expects to receive in 1944, either alone or together with his spouse (a) more than \$3,500 of wages subject to withholding or (b) more than \$100 of income from all other sources, provided their total combined income is expected to

1. Single, or married but not living with spouse (whether or not head of a family), expects to receive in 1944 (a) more than \$2,700 of wages subject to withholding or (b)

See page 3)



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor . . . . . H. Lee Dickinson  
Associate Editor . . . . Ruth Angel  
Reporters . . . . . LMAL Employees

*Here's To The Girls*

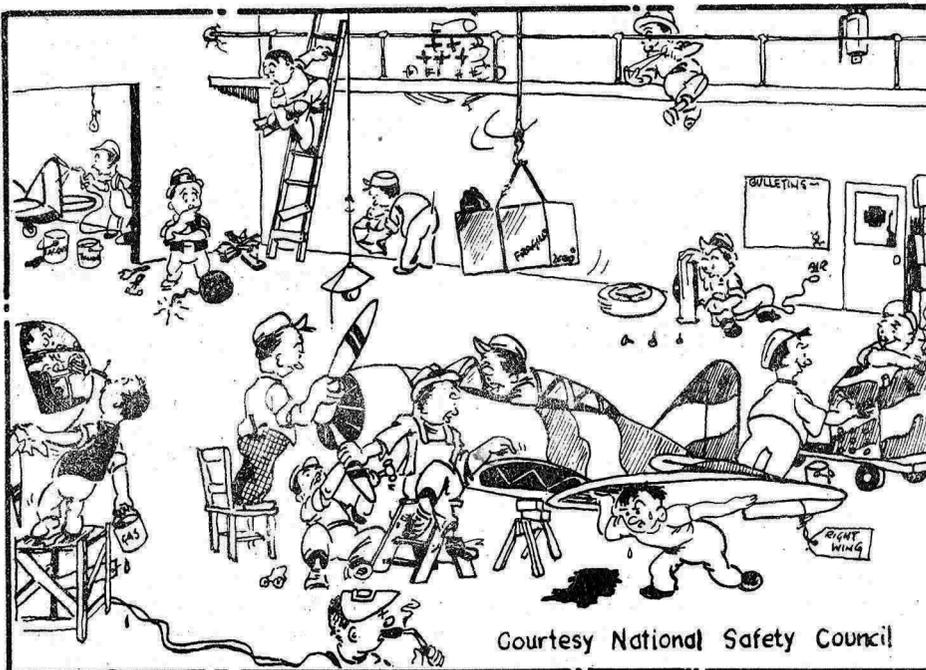
Here's a toast to the women, who are not only making the sacrifice of doing without many of the small niceties of life but are doing their part toward converting those very things into war materials.

In other wars, women have sometimes been asked to forego their gold and jewels to ransom their warrior husbands. Or a knight, for a token to tie to his helm for luck, would beg a glove, a garter or a stocking. Otherwise they were asked to either watch on the sidelines or be part of a conqueror's plunder.

The present war isn't satisfied with just that. Modern fighters ask her to give up her jewels for motors, instruments and bullets; her stockings and silk dresses for parachutes; her rouge for bombsights and her bobby pins for landing mats. Her girdle is wanted for life rafts and tires and her shoes and handbag for belts and flying suits. So far, no combat use has been found for face powder, which is made up mainly of rice flour. But cheer up, girls, they're bound to find a use for it somewhere in the fighting.

The girls are taking it with their chins up! But one thing is certain--after the war they want all those little things back.

**ANY UNSAFE PRACTICES HERE?**



Courtesy National Safety Council

**UNSAFE CONTACTS**

**USO NEWS**

This week's program at the Hampton Industrial USO will begin on Easter Sunday with open house. The bridge club will meet at 8:30 p.m. on Monday, April 10. On Tuesday, April 11, at 7:30 p.m. the American Legion Woman's Auxiliary will meet. A movie, "Hit the Ice", starring Abbott and Costello, will be shown at 8:30 p.m., Thursday, April 13. The April 14 calendar will feature a "eatin' meeting" at 5:30 p.m. Saturday night, April 15, will be "Stunt Night".

**From Army Papers**

*Young Wife:* "Harold is awfully slovenly. Most of the time about half the buttons are missing from his clothes."

*Aunt (sternly):* "Perhaps they aren't sewn on properly."

*Young Wife:* "That's just it. He's very careless about his sewing."

—Arizona Contact.

Yeah, he's the fellow who entered a bar optimistically and left misty optically.

—Broadcaster.

"My wife says if I don't give up playing golf she'll leave me."

"Hard luck!"

"Yes, I'll miss her."

—The Norfolk Seabag.

Down to Hades  
With the ladies  
Whose hearts rejoice  
At Boyer's voice.

—Shoot 'Em Down.

The reason why women exist at all is one of life's perplexities—  
But easily figured when you recall  
Miss D. Lamour's convexities!

—Shoot 'Em Down.

A Sicilian was leading a gang of Yanks over a dangerous mountain pass. Passing an enormous chasm, he stopped and said, "Be careful not to fall here. It's a 2,000-foot drop to the bottom. But if you do fall, remember to look to the left; it's a wonderful view."

—The Medical Soldier

*Rookie:* "Sarge, the boys are spreading some awful lies about you."

*Sarge:* "They are? Well, just as soon as they start spreading the truth, let me know, and I'll toss every last one of them in the guard-house."

—Broadcaster



# SPORTS



## Girls: Here's Your Chance

Now that spring is here and everyone is thinking and talking softball, it is time for the girls to give some thought to how they may keep up with the present trend of conversation and activity.

In an effort to solve this problem, a girls' softball league is being formed and all sections are urged to give some thought to the job of organizing a team. Any section wishing to enter the league may organize a team now and elect the captain. The name of the captain must be called in to Lenore Hulcher, Women's Counsellor, phone 226, as soon as possible so arrangements can be made for the captains to meet soon with Industrial USO officials.

Any girl wishing to be on a team but not having enough persons in her section to organize one may arrange to play with another section.

### Softball

The Laboratory Softball League will officially get under way on May 1 with two games scheduled. The 19-foot Tunnel team and Engineering Section will meet in one encounter and Flight Research and the Bat Busters (Stability) in the other.

Other games during the first week in May include East Area Shop and Full Scale; and Aircraft Loads and 8-foot Tunnel on Wednesday, May 3; PRT and Tank on May 4; and Instrument Research and AWT; and Low Turbulence and Structures, defending champions, on May 5.

Captains of the 14 teams have been announced, including: Engineering Section, Leonard Spelber; Bat Busters, Marvin Pitkin; Full Scale, Roy Lange; 8-foot, Hank Fedziuk; Tank, Jack Posner; AWT, Tommy Toll; Low Turbulence, Robert Nuber; Structures, Si Diskin; Instrument Research, H. H. Newby; PRT, Lucas J. DeKoster; Aircraft Loads, Sid Batterson; East Area Shop, Paul Marchal; Flight Research, Art Vogeley; 19-foot Tunnel, Jerry Teplitz.

### TELEPHONE GIRLS MISS THEIR DIALING PENCIL

A green metal "pencil", with a round silvertop which fits into the number discs of a dial telephone, is missing from the telephone switchboard.

It is especially designed for use in dialing telephone numbers. The girls say it was probably picked up by mistake about two weeks ago. Any one having such an article would do the girls a great service by returning it immediately.

LOST: Two keys on a small cord: One latch key, one door key. Believed to have been lost between the Property Office in the Warehouse and the parking lot. If found please contact Mrs. Blaun, Property Office.

### TAX FORMS (From page 1)

amount to \$1,200 or more, or his total separate income is expected to amount to more than \$624.

It is expected that all persons who filed a declaration in 1943 in Virginia will receive a form through the mails from the internal revenue collector's office. Employees at the Laboratory may obtain forms from G. Clyde Lumpkin or Gerard Zimmerman.

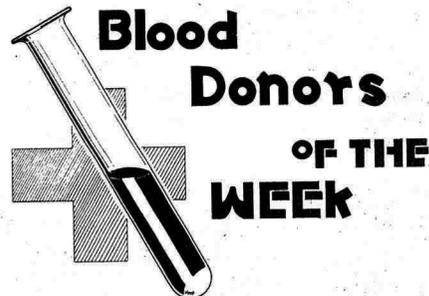
# Service Notes...

Seabee Ralph W. Carey, former Engineering Section employee, writes to say that during his first trip to a battlefield he saw the fruits of the Laboratory's extensive research. "I'm really proud myself, as I quite naturally would be, of the Laboratory and the employees". He adds that "luck has been with me so far. I've had short assignments and good ones, but not 'lily' ones". He is stationed at Port Hueneme, Calif.

C. W. Smith, who worked in the Prop Shop, 19-foot Tunnel, and East Area carpenter shop before resigning two years ago, is an aviation student at Birmingham-Southern College, Birmingham, Ala. Smith says he met a former Laboratory employee at the college recently and was shown a copy of the Bulletin. He says he enjoyed reading about his old friends and requested to be placed on the service men's mailing list.

WANTED: The softball league would appreciate any donations of old leather belts, buckles, and canvas or any other similar material suitable for making bases. Anyone having any donations please contact the Bulletin Office.

NEW PHONE NUMBER: Janitorial Service, located in Maintenance Building, 306.



LMAL BLOOD DONORS  
Paul A. Hunter, Howard N. Hinman, Charles J. Liddell, Jr., and Thomas J. Voglewede, all of the Flight Research Division, to emergency case at Dixie Hospital.



# Life At The Laboratory

**ILL WINDS:** Bill Elder, Instrument Service, is back at work after recovering from a recent eye operation.... Dorothy Chandler, L Purchase, is back after three weeks illness.... Bernard Maggin, Free Flight Tunnel, suffered a broken arm when he attempted to high jump Marvin Pitkin's fence. Maggin's only comment after his phenomenal jump was, "It hurts me to do this". Pitkin thinks the fence can be repaired.... Fred Dlay, Stability Tunnel, is recuperating from a back injury which he received while working in his victory garden.

**VISITOR:** Abe Silverstein, former head of Full Scale Tunnel, came down from AERL to visit the Laboratory last week.

**HERE AND THERE:** Laura Lineback, vari-typist for the Bulletin, and Virginia Bangsberg, Reproduction Section, are spending Easter at Laura's home in Winston-Salem, N. C.... Mrs. Byrd Buckley, Charlotte Buckley, and Helen Walker visited Richmond last Saturday and attended the matinee of the Russian Ballet Theater.... Doris Payne, L Purchase, is back after two weeks in New York with her Sergeant husband.... Ruth Liedel, Structures, is vacationing in Michigan with her husband who is on furlough.... Maxine Spaur, Structures, is spending Easter at her home in West Virginia.

**ROMANCE:** Ann Ingle, and Hank Elksnin, both of Engineering Section, are making plans for an early summer wedding. Ann has just returned to the Lab after recuperating from a recent appendectomy.... Jane White, Messenger, and "Toots" Prospere, Free Flight Tunnel are visiting "Toots" home in Mississippi. The wedding date has been set for April 10.

**VACATION RHAPSODY:** Dorothy Estes, 19' Pressure Tunnel, has returned from Greensboro, N. C., where she attended her sister's wedding.... Jerry Bidwell, Tank, and his wife Marjorie, Engineering Section, are back from a vacation in Conn.... Hazel Storey, Tank, is back from a visit to her home in Murfreesboro, N. C.... Marvin Haar, Tank, is having a fling in New York.... Leonard Damratowski, Tank, is visiting his home in Pittsburgh. He claims that he thought it best for him to leave town for a while in an effort to live down his blunder made in the basketball game between the Tank and 16' Tunnel for cellar position.... Mary Ellen Bass, Thelma Stewart, and Wilbur Mayo spent last week-end in Greenville, N. C.... Wesley Tannenbaum, Impact Basin, is spending Easter at his home in Brooklyn.... Bob MacLachlan, Stability Tunnel, is spending two weeks in Pittsburgh.

**MISCELLANY:** Mary Thorne Tyson, Reproduction Section, spent last week-end at her home in Farmville, N. C.... Frances Moore, Tank, and Dot Severance, Illustration, spent the week-end in Wake Forest, N. C.... Winnie Diller, Illustration, is back at work after a week-end in Washington.

**WEDDING BELLES:** George Niles, Speed Tunnel, and Jeanne Hayes of Des Moines, Iowa, will be married Tuesday, April 13, at St. John's Episcopal Church, Hampton.... Ruth Barnhard and Frank Malvestuto, both of the Spin Tunnel, are getting married this week-end in Miami.

**CONDOLENCES:** To Janice White, Tank, upon the death of her grandfather in Portsmouth.

**CONVALESCING:** John Spivey, who has been an NACA employee 21 years, is undergoing treatment at Riverside Hospital.

**EASTER TRIP:** Ruth Bachman and Louise Lyne, Personnel, are spending Easter in New York.

## CLEVELAND CLIPPINGS

**SMOKER:** At the second AERL "smoker", Carlton Kemper, Executive Engineer, stressed the need for speed in research and emphasized the importance of time.

**RED CROSS DRIVE:** The first returns released in the drive show that only four divisions have reached the quota. The per capita quota as set up is \$5 per person.

**NACA GIVEN RECOGNITION:** At a recent luncheon, John F. Victory, Secretary of the NACA, addressed the Cleveland Chamber of Commerce and representatives of the aircraft industries of Cleveland on the important work the Committee is doing toward "Keeping America First in the Air in War and Peace".

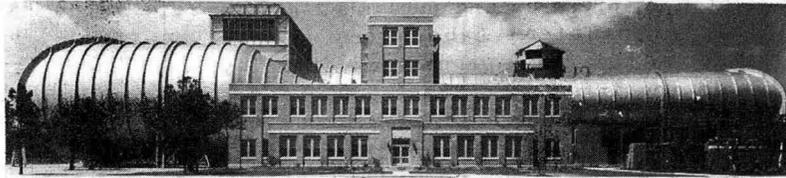
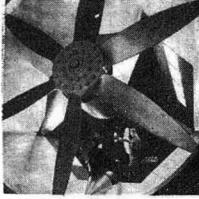
**GET-TOGETHER:** Members of the Administrative, Engine Installation, and Icing Research Divisions got together at a fun-and-frolic party Saturday night, March 25. Dancing, refreshments, and games were enjoyed by the guests.

**SOFTBALLERS:** Softball season is getting underway and all teams are urged to elect their captains and managers so that they can start the ball rolling as soon as possible.

**BUY WAR BONDS FOR VICTORY**

**CONDOLENCES:** To Chisman Booker, Warehouse, on the death of his wife in Hampton on April 5. She had been in ill health about four years.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 17, Vol. 3

Langley Field, Virginia, April 15-21, 1944

Page 1

### EXPRESSES INTEREST IN ARMY-NAVY PLAN TO COORDINATE ALL TRAINING

General H. H. Arnold, commanding general of the U. S. Army Air Forces and a member of the National Advisory Committee for Aeronautics, expressed his interest in the Army-Navy NACA Personnel Plan in a recent letter to Dr. George W. Lewis, Director of Aeronautical Research.

Noting, "with considerable interest, that the President approved the plan...for the use of military personnel in the operation of research facilities of NACA", General Arnold said:

"I understand that the Subcommittee of the Army-Navy Personnel Board is vigorously working on the job specifications and essential personnel involved to see that the full complement of essential personnel remain on duty with the NACA.

"It is highly important that we keep the projects, associated with the war effort, moving as expeditiously as possible.

"As you know I am most interested in the work you are doing and although I cannot get to your meetings, I wish to assure you of my continued cooperation."

### CITED FOR OUTSTANDING ACHIEVEMENT

From 'Aero Digest'

Dr. George W. Lewis, Director of Aeronautical Research, National Advisory Committee for Aeronautics, in recognition of his "outstanding achievement in advancing our knowledge of fundamental principles and practices of mechanical flight, and for leadership of practical research by government agencies in cooperation with industry", was awarded the honorary degree of Doctor of Engineering by the Illinois Institute of Technology at its recent 50th Anniversary meeting.



Dr. Lewis

### NEW BUS SERVICE FOR DAY, NIGHT SHIFTS AVAILABLE

Two new bus services have been inaugurated at LMAL and the cooperation of employees is requested in order that the schedules will be maintained.

A bus leaves from the area between the Administration and Technical Service Buildings at 4:50 p.m., going to Hampton, down Victoria Avenue, thence down Kecoughtan Road to Algonquin road.

Another bus for night shift workers leaves from opposite the 19-foot Tunnel at 11:55 p.m. en route to Ann Wythe Hall, going through Hampton from Court Street to Queen to Back River Road to Newport News Avenue to Shell Road to Franklin Street to Ann Wythe to Kecoughtan Road to the Car Barn.

Charles A. Hulcher this week assumes his duties as Chief of the Training Division, a new division established in the Administrative Department to coordinate training activities and to plan additional training projects. His new office is located adjacent to the Dispensary in the Technical Service Building. The telephone number is 300.

#### Advisory Committee

A Laboratory Committee on Personnel Training will act in an advisory capacity to the Supervisor of Training. The membership includes Joseph N. Kotanchik, chairman; Ira H. Abbott, William A. Aery, John C. Messick, and Hartley A. Soule, and ex-officio members George B. Colonna, Elton W. Miller, and H. J. E. Reid.

#### List of Programs

Mr. Hulcher will coordinate such training programs as those for women laboratory aides; supervisory improvement programs; training of clerical and mechanical workers; Engineering, Science, and Management, War Training and University of Virginia engineering courses for professional workers; apprenticeship training; related study courses for sub-professional workers; and various other courses conducted through the local War Training Office.



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor . . . . . H. Lee Dickinson  
 Associate Editor . . . . Ruth Angel  
 Reporters . . . . . LMAL Employees

*Sailor Sends His Regards*

V. H. Livesay, Radioman 2/c in Uncle Sam's Navy, wrote us last week that "mail call aboard ship is the time when sailors' anxious and expectant eyes are turned to that sack of reports from the home front in hope of finding some heart-warming missiles coming their way.

"Today (April 1) my hopes were well satisfied when I dug into the heap to haul out the LMAL Bulletin...After covering the gazette from stem to stern a couple of times I was beaming with pride and exultantly passed it on to my mates, iterating to them, 'there is where I used to work...."

Livesay, who began work at LMAL in 1940 and was employed in the Instrument Calibration Laboratory before resigning on Feb. 27, 1942, said that receiving the Bulletin "was the next best thing to being back there with you. Many familiar names were present and it certainly is good to hear of their accounts and the magnificent job they are doing...."

## HOLD REHEARSALS FOR HAMPTON PLAY

Dave Goldenbaum, Tank, director of the Hampton Little Theater play, "Guest in the House", announced that the three-act psychological melodrama will be presented May 11 and 12 at the Hampton High School auditorium. It will be the final production this season of the local group.

The players, included among whom are several Langley Laboratory employees, are: Mrs. Eleanor Talkin as Ann Proctor; Beverly Ann Farster as Lee Proctor, her daughter; Mrs. B. G. Bennett as the maid; Eugene Clement as the Rev. Dr. Shaw; Mrs. John D. Williams as Aunt Martha Proctor; Ann Wenzel as Miriam Blake; Robert Selden as Dan Proctor; John B. Parkinson as Douglas Proctor; Harold Levitt as the butler; Margaret Patterson as Evelyn Heath; Jacquelyn Cock as a reporter, and Crickett Burr as a photographer.

Rehearsals are being conducted four nights weekly at Armstrong School. Douglas King, stage manager, is designing an elaborate set for the performances.

George B. Colonna, the play's producer, quotes the New York Times as describing "Guest in the House" as an "engrossing play about a suburban couple who give house-room to a female guest and live to wring their hands in anguish. Shrewdly written, dextrously acted, it is likely to give you the horrors before the authors and actors dispose of the menace. If they had shown any sign of letting the little monster escape from the scene of her crimes, the first-night audience (on Broadway) would have rushed up on the stage and torn her limb from limb...The play crackles with terror and takes high rank as a heebie-jeebie show".

## SELECTIVE SERVICE SEEKS COOPERATION

All Laboratory employees who are included in the Joint Army-Navy Personnel Plan have received applications for voluntary and immediate induction, as well as forms for transfer of induction.

Laboratory officials emphasized that these workers, when they receive notice of order for preinduction physical exams or order for induction, should immediately notify the Selective Service Office (Technical Service Building), phone 368.

These workers who wish to come under the Plan should check, without delay, on the certification of request for return to LMAL which will have to be presented at the Richmond Induction Station or the Fort Meade Induction Station before any man can be assigned to the Air Corps Enlisted Reserve. This should be done through the Selective Service Office here.

## USO NEWS

This week's program at the Hampton Industrial USO will begin with bridge night on Monday, April 17, from 8 to 11. The April 18 calendar will feature a chess exhibition. Sal Rubinow will play six to eight competitors without seeing the boards. Dancing class will be held at 4:30 p.m. on Wednesday, April 19. On Thursday, April 20, the movie, "The Falcon in Danger", starring George Sanders will be shown at 8:30 p.m.

LOST: At Stability Tunnel approximately on April 1, one Brown and Sharp combination square with angle protractor; 12-inch scale; Inv. No. 17146; notify Steve Mason, Stability Tunnel.

Experience: Something we get too late to keep us from doing what we shouldn't have done.

—Shoot 'Em Down

NEW PHONE NUMBERS: Personnel Recruiting, 308; Bond Office, 215.



## LMAL WINS SHARE OF WRIGHT MEDALS

Two employees of the Langley Laboratory and one former LMAL staff member have been recipients of the Wright Brothers Medal, awarded by the Society of Automotive Engineers as insignia of honor for papers of merit on aerodynamic and related subjects.

Eastman N. Jacobs, long-time employee of the Langley Laboratory and now an NACA consulting engineer, won the medal in 1933 for a paper on "The Aerodynamics of Wing Sections for Airplanes".

Richard V. Rhode, head of the Aircraft Loads Division here, received the honor in 1937 for a paper on "Gust Loads on Airplanes".

Edward P. Warner, first Chief Physicist to serve at LMAL and at present a member of the Committee, took the 1932 award for a paper on "Rational Specifications of Airplane Load Factors".



Other winners: 1928--Lieut. Comdr. Clinton Hunter Havill, U. S. N. 1929--Ralph Hazlett Upson. 1930--Theodore Paul Wright, present Committee member. 1931--Stephen J. Zand. 1934--Rex B. Beisel, A. L. MacClain and F. M. Thomas. 1935--William Littlewood, present Committee member. 1936--R. J. Minshall, J. K. Ball and F. P. Laudan. 1938--No award. 1939--Kenneth Allen Brown. 1940--Clarence L. Johnson. 1941--S. J. Loring. 1942--Charles Romain Strang.

Costas Pappas, engineer for the Republic Aviation corporation, a frequent business visitor to LMAL, will receive the 1943 award at the annual dinner of the SAE April 16 in New York.

The Medal is awarded to the author of the best paper on aerodynamics or structural theory or research, or airplane design or construction, which shall have been presented at a meeting of the SAE or any of its sections during the calendar year.

If in the opinion of the judges there has been presented during a calendar year no paper dealing with these subjects worthy of the award, the medal for that year may be awarded to the author of the best paper on any other aeronautic subject.

Papers are judged primarily for their value as new contributions to existing knowledge of the aeronautic art.

## DANCE HIGHLIGHTS APRIL SOCIAL SEASON

Next Friday night, April 21, will highlight April's social season when Green Cow members and their guests put on their dancing slippers and take their old "one, two, slide" down to the Hampton Armory.

The dance will begin at 9 to the music of Blair Blanton and the Southerners. The orchestra features the pianostylings of the leader and the songs of Shirley Linkus.

Season tickets are still on sale.

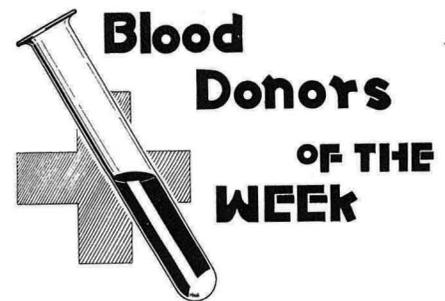
## DISCUSS AMA REGULATIONS

Russell Nichols, Secretary of the Academy of Model Aeronautics, visited the Laboratory recently to confer with Charles A. Hulcher and Dick Everett, members of the AMA rules committee, and Frank Parmenter, president of the Brain Busters, local model airplane association.

The current 1944 rules were discussed and Nichols clarified several of the more important ones. A summary of the conference will be presented at a meeting of the Brain Busters April 16 at 8 p.m. at the Hampton Industrial USO. Suggested rules changes, as presented in the April 1-7 issue of the LMAL Bulletin, will be further discussed and then voted on.

Paul Marchal, Secretary of the Brain Busters, pointed out that good flying weather is just beginning and many of the fellows have the "flying bug" again. He added, however, that they are hesitant about building until a definite set of rules is adopted.

Two rules meetings have been held this year with virtually no attendance, Marchal said, emphasizing that unless "you model builders wish to abide by rules formulated by five or six members, you had better make it a point to be on hand for this meeting".

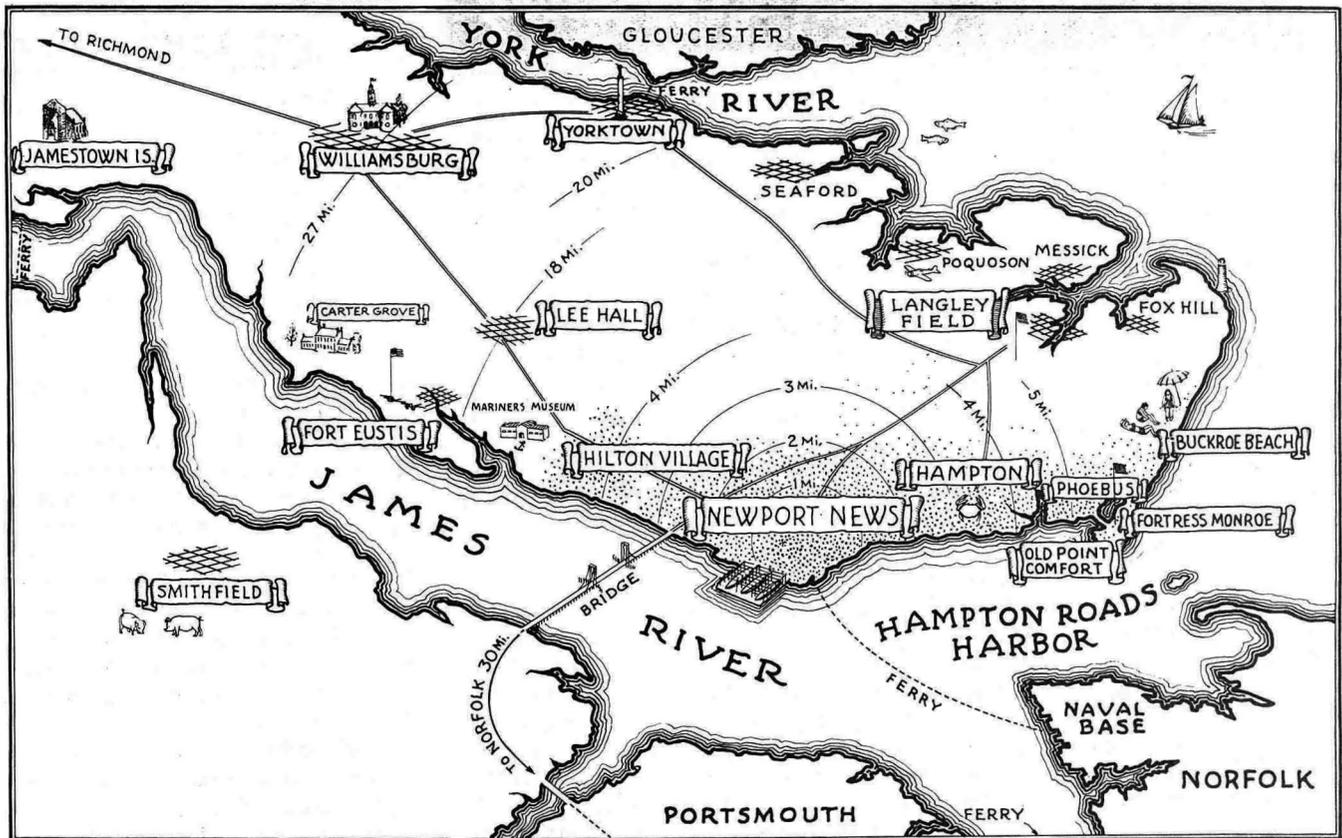


### LMAL BLOOD DONORS

Jerry Teplitz, Sidney R. Alexander, 19-foot Pressure Tunnel; David F. Kirwan, Clifford S. Gardner, Arthur J. Torsiglieri, Instrument Research; and Joseph S. Cross, E. Sheetmetal Shop, all to emergency cases at the Dixie Hospital.



# MAP PICTURES PENINSULA'S POINTS OF INTEREST



More than three hundred years before one Betty Smith discovered that "a tree grows in Brooklyn", another Smith--Captain John--described the Peninsula as a "country that may have the prerogatives over most places known, for earth and heaven never agreed better to frame a place for man's habitation!"

Now that spring has finally arrived and nature combines to make the Peninsula's points of interest more inviting, this pictorial map of the community might be of service--especially to the large number of new employees who have come here to make their homes and to further their careers.

Within a few weeks, sailboats will be dotting the waters along local shores; hook-and-line fishermen will be lazily angling for the denizens of the deep; and Laboratory employees will be visiting such points of interest as Williamsburg, Yorktown, and Jamestown, where so much of the nation's colonial history transpired.

### *Cradle of the Republic*

On May 13, 1607, the Sarah Constant, the Godspeed, and the Discovery, three small sailing vessels which had departed England more than four months before, glided to anchor in the James, just off Jamestown. There followed an exciting period of adventure. It was during the first year that Captain Smith was captured by the Indians. Chief Powhatan was about to behead him, but his life was spared by the pleading of the Indian warrior's young daughter, Pocahontas.

Middle Plantation--so-called by reason of its central location between the James and York Rivers--later named Williamsburg in honor of William III of England, became the capital of the Royal Colony after Jamestown was destroyed during Bacon's Rebellion. Following the removal of the capital to Richmond, Williamsburg settled down to be a peaceful college town; but many of the buildings and landmarks, well known in the 18th century when the spotlight of public affairs was thrown on the community, have been restored and today are show places to the lovers of history and tradition in America.

### *Freedom Won At Yorktown*

The area around Yorktown is included in the National Park Service, which has restored old buildings and reconstructed the battlefields of 1781, where Cornwallis fought and surrendered to the forces of General Washington. York River, which Yorktown overlooks, is now a popular rendezvous for boatsmen and bathers.

One of the more modern places of interest is the Mariners' Museum, a repository for marine antiquities. Incident to the vast park is an artificial lake where aquatic plants flourish and wild fowl find a peaceful haven. In the exhibit building are such sea relics as figureheads from ships, old whaling equipment, early Spanish boats, canoes from South Sea Isles, marine paintings, ship models, and articles recovered from warships sunk in the York during the Revolution.

# Life At The Laboratory

**ROMANCES:** Audrey Campbell, Editorial, is engaged to Roy Lange, Full Scale Tunnel, and the big event has been set for early summer....Today is the big day for Bill Thornton, Engineering Section. He is marrying Margaret Rose of Petersburg... AWT gave Vito Tamburello a big send off on the road to matrimony Tuesday night with a party at the home of Billy Warren. Vito will be married today in New York to Mary Giaramita.

**HERE AND THERE:** John Draper, Free Flight Tunnel, and Francis Carter, Dynamic Model Shop, spent Easter at Francis' home in Washington....Scotty Bowlin, W. Machine Shop, and his wife, Marie, of Construction Purchase, are back after a visit to Marie's home in Burlington, N. C....Vivian Jennings, L Purchase, is vacationing with her husband in Tennessee and Mississippi....Gabriel Glasheen, Structures, is visiting his home in New York....Paul Boeger, Engineering Section, is back after a trip to Baltimore....Si Diskin, Structures, is vacationing at his home in Baltimore.

**ILL WINDS:** Irvin Schumacher, Engineering Section, is back at the Lab after a week's illness.

**MISCELLANY:** Virginia Peters, AWT, is commuting to Baltimore on week-ends to visit her Navy Lieutenant husband.... Dave Hanes and Frank Read, Engineering Section, and their wives spent Easter in Washington....Mary Goodloe and Wilfred Kelley, Tank, spent Easter at Mary's home in Crozet....Lib Garner, AWT, spent Easter with her family in Winston-Salem, N. C....Hazel Redding, AWT, has returned after spending Easter at her home in High Point, N. C....Miriam Puster, Tank, is back from a visit to her home in Emporia...Julia Woodbridge, ALD, is back after a visit to Washington....Jerry Hilton, AWT, is visiting her home in Wytheville, where she is spending a few days with her brother before he leaves for overseas duty.. ..Jerry Crouch, ALD, is visiting her grandmother in Goldsboro, N. C....Louise Spires, AWT, visited her family in Greensboro, N. C., during the Easter Week-end....Bill Chappo, ALD, is back after a visit to his home in Connecticut.

**PARTYING:** The Tank "Hydrosots" are having one of their well-known parties tonight at the Odd Fellows Hall. All are anxiously waiting and are planning a big blow out.

**HYDRO MEETING:** The Tank is having a division meeting on Wednesday night, April 19. At this time John Ebert will discuss his recent West Coast assignment and will illustrate his lecture with moving pictures.

**CONDOLENCES:** To Merle Marshall, AWT, on the death of her brother, killed while in the line of duty with the U. S. Navy, in the Pacific.

**VACATION RHAPSODY:** Polly Pollard, Impact Basin, spent Easter week-end in New York....Firman Cuthriell, Impact Basin, has returned after visiting friends in southern states.... Virginia Tucker, East Area Computing Section, is on a recruiting tour of North Carolina....Genova Hundley, Impact Basin, spent Easter at her home in Floyd....Sara Bullock, East Area Computing Section, spent Easter in Front Royal with Patsy Coe, Aircraft Loads.

**LOST:** In the East Area Cafeteria, a sport watch with a brown band. If found, please notify Hazel Skidmore, Personnel Office.

**FOR SALE:** A 1938 Harley-Davidson "61" motorcycle with one new tire in good condition. Price \$300. Call C. G. Prospere, Hampton 6274.

**BADMINTON:** The Hampton Industrial USO now has a badminton court, open to LMAL employees. It is hoped that enough persons will be interested in playing so that teams may be organized and a tournament conducted.

## CLEVELAND CLIPPINGS

**AIDS RESEARCH:** Dr. Halvor O. Hem, Consulting Engineer of the Toledo Scale Company, and dean of its research and engineering group of 65 experts, has been appointed a member of the NACA Committee on Personnel Buildings and Equipment. He will serve as such without compensation. While much of his time will be spent at AERL, his suggestions will be of benefit to all three NACA laboratories. His earlier work, in machine design, wing tunnel balances, and other technical problems, has been outstanding.

**CHEST X-RAYS:** Chest X-rays are being made available to AERL employees, through courtesy of the Federal Business Association and the American Red Cross.

**ORGANIZES:** Members of T.C. Glenn's Supercharger Unit have organized. Officers include Ed Kaye, president; Ned Hughes, vice president; Ed Pack, secretary, and Dick Downing, treasurer. Glenn, H. Kline, and E. P. Milde comprise the directing board. As its first undertaking, the group plans a Cabaret Nite April 20 at the AERL auditorium.

**RED CROSS:** AERL answered the Red Cross War Fund Drive call with 92 percent participation. Only four of the 19 divisions failed to reach 100 percent. Total donations: \$5,468.36.

**VISITORS:** Recent AERL visitors included Melvin N. Gough, head of the Flight Research Division at LMAL, and Robert L. Orr, also of the Langley Laboratory.

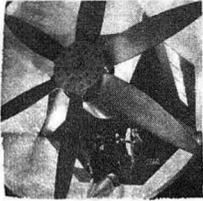
**DANCE DATE:** The AERL Rifle Club plans a get-together dance in the near future.

**INSTRUCTIONS:** In a list of bowling instructions, Wing Tips suggests: "If you roll a ball in the gutter, grab your leg quickly and limp to the bench growling something about a slippery floor."

**Save Lives - Speed Victory!**

**BUY WAR BONDS**

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 18, Vol. 3

Langley Field, Virginia, April 22-28, 1944

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### DR. DURAND PRAISED AS DEAN OF HIS PROFESSION

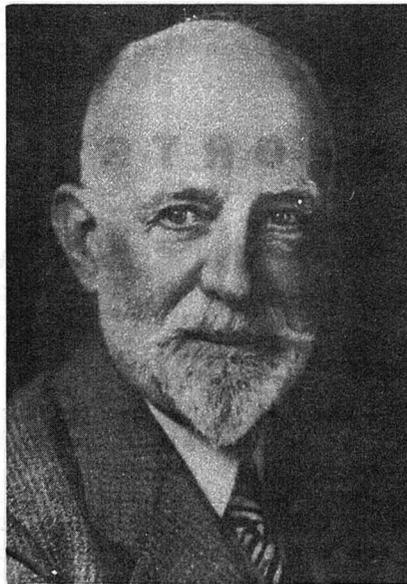
Few, if any, men in the United States command greater respect and admiration of scientists and engineers than William Frederick Durand. None command greater love or loyalty from those who know him, whether they be within or without the fields of science and engineering.

At 85 he is the unquestioned Dean of the engineering profession. Time aided by his life-long temperate ways of life has dealt kindly with him. While nature has not spared him entirely so far as his powers of physical endurance are concerned, it has been extraordinarily lenient and has taken no toll of his remarkable mental faculties, his youthful enthusiasms, or of his qualities of impartial judgment.

Although none but he can of course know the regimen of self-discipline to which he has subjected himself throughout his long life, some things that have contributed to his success are patent. Clearly he was born with certain attributes of body and mind which can not be acquired later, although they may be destroyed. With a body inherently strong was associated the embryo of an imaginative mind of great analytical capacity, calm tolerance, and the driving power of a will to work. The one he has never abused unless incessant productive labor is abuse; the other he has exercised and developed continuously through the years of an extraordinarily active life.

Innately a gentle man and a gentleman in everything that

*This appreciation by Frank B. Jewett on the occasion of William Frederick Durand's 85th birthday appeared in the April issue of "American Scientist". Dr. Durand is a former NACA chairman and is a member of the present committee.*



Dr. Durand  
.... "a gentleman"

that compound word implies, he has an acutely sensitive regard for the feelings of others. No element of malice is a part of his being nor is he ever guilty of saying or doing even inadvertently those things which wound the sensibilities of others. To this fundamental base he has added through long years of experience a knowledge of just what to do and when and how, to the end that differences of opinion are reconciled and conflicts minimized or avoided. In any joint study

or committee report in which he is involved, there is seldom, if ever, a dissenting opinion. If patience, incisive analysis and steadfast intellectual honesty can not completely harmonize differences of opinion, the conclusions are stated with such fairness to dissident points of view that all can subscribe without reservation. To him achieving an end by an adroit use of words or arguments which mask part of the truth is the ultimate form of intellectual dishonesty.

So it is that whenever we are confronted with a difficult problem of tangled uncertainties we turn so frequently and so automatically to him for guidance and leadership, with the knowledge that conclusions which bear the imprimatur of his signature can be accepted without questioning. For so long has this been true that we more frequently than not forget that he, long years ago, passed the biblical allotted span of active life and so are guilty of many impositions on a kindly man.

None of us can of course know what he himself thinks of these things or even whether he thinks at all of a way of life which seems to him so perfectly natural. Be that as it may, it is hard to conceive of a more satisfying capstone to a career of service for a man than one which on his 85th birthday is found to be compounded of the respect, admiration, esteem and, above all, the love of his associates.



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Editor . . . . . H. Lee Dickinson  
 Associate Editor . . . . Ruth Angel  
 Reporters . . . . . LMAL Employees

*A "Living" Memorial*

One of the most sensible proposals we have heard in a long time was offered by Starr Truscott, Chief of Hydrodynamics, at a recent meeting of the Hampton Rotary Club. He urged that any war memorial planned in Hampton or vicinity be one of lasting service, not only for the veterans themselves, but for their children and their children's children.

Mr. Truscott suggested that a memorial might take the form of a building, where sports, theatricals, and meetings might be fostered for the general good of the community. In view of the need for additional recreational facilities on the Lower Peninsula, the construction of such a "living" memorial would be a forward step in the interest of clean living now and after the peace is won.



**S P O R T S**



*Girls' Softball League*

With nine teams already signed up, LMAL girls are settling down to business and making plans to get the girls' softball league into full swing.

Various team representatives met April 19 at the Hampton Industrial USO with Lenore Hulcher, Annie Young, and USO officials. Officers were elected and members of the rules and schedule committees appointed. It was announced by Lenore Hulcher that the diamond at Armstrong Field has been secured for practice and league games.

The officers and members of the committees are as follows: President, Dianne Turk, Fluid Gas and Dynamic Analysis; vice president, Harriet Eisenberg, Fluid Gas and Dynamic Analysis; recording secretary, Eleanor McKinstry, AWT. Members of the rules committee: Lucille Pace, Personnel; Milly Kicklighter, Tank; Harriette Binder, Tank; Louise Thomas, FRD, and Margaret Farmer, AWT. Members of the schedule committee: Eleanor Johnson, FRD, Dorothy Beadle, ALD, and Ethelda McArver, Impact Basin.

Another meeting will be held Wednesday, April 27, at the USO and reports will be made by the rules and schedule committees. Any other persons interested in organizing a team or playing on a team may call Annie Young, Assistant to Counsellor for Women, at 226.

The teams now registered in the league are: 16-foot Tunnel, Flight Research Division, Fluid Gas and Dynamic Analysis, Tank, 8-foot High Speed Tunnel, AWT, PRT, and Personnel.

# Service Notes...

Robert Veryzer, former employee of the Dynamic Model Shop and who for more than a year and a half has served with the U. S. Coast Guard, visited his home in Islip, N. Y., recently while his ship was in port. Bob just returned from North Africa. He has been on escort duty in the Atlantic war theater for several months. Now a radio technician 2/c, he sends his regards to friends at the Lab.

Melvin N. Gough, Chief of Flight Research Division, last week received news that Lt. J. P. Houston, USNR, has been transferred from the inspection branch to the engineering branch as Assistant Chief Engineer of the Assembly and Repair Department at the Norfolk Naval Air Station. Lt. Houston began employment at LMAL in 1924. He was Assistant Shop Superintendent at the Impact Basin at the time of his transfer to duty at the Ames Aeronautical Laboratory in May, 1942. He was later called to active duty with the Navy.

**BATTER UP!**



H. J. E. Reid, Engineer-in-Charge, will officially inaugurate the Laboratory league's softball season by tossing the first ball at the Structures Research-Bulletin All-Stars classic at 2 p.m. Sunday, April 23, at Darling Park.

# ALL-STARS PLAY STRUCTURES RESEARCH APRIL 23

Simon 'Si' Diskin, speedball artist who piloted the Structures Research softballers to the Langley Laboratory championship last year, and Roy Lange, who served them hot and fast for Full Scale Tunnel, will meet in a pitcher's duel when the titlists play the Bulletin All-Stars in a pre-season classic Sunday, April 23, at 2 p.m.

The game will be played at Darling Memorial Park, adjacent to Hampton High School. One of the largest crowds ever to see a Laboratory team in action will be on hand. In event of inclement weather, the contest will be played Thursday, April 27.

## Announces All-Star Lineup

Anshal 'Red' Neihouse, mainstay of the Stability team last year and voted most valuable player in the league, will captain the All-Stars from his position at short field. He has announced the following additional players who will be in the starting lineup:

Paul Marchal, centerfield; Ira Ramsey, catcher; Claude Hart, third base; Harold Sweberg, left field; Gene Draley, first base; Nick Mastrocola, shortstop; Jerry Brewer, second base; and Stan Spooner, right field. Pitcher Lange will be clean up hitter.

Alternates on the All-Star team include Dale Burrows, pitcher; Abe Cohen, catcher; Bill Nelson, W. Hagginbotham and Arvo Louma, fielders; Bob Little, third base; Axel Mattson, second base.

## Structures Squad

Four players who were selected for the All-Star team will perform for Structures, including Diskin, Len Bartone, Carl Rossman, and John Houbolt. Other members of the 1943 championship team are Manny Stein, Pat Chiarito, John Neff, Bill Sperry, John Kousz, Walter Wood, Norman Rafel, George Zender, Evan Schuette, Rolla Boughan, Harold Crate, and Joe Kotanchik. Among the newcomers to the team are Dave Ochiltree, Howard McCracken, George Griffith, Bill Hickman, and Charles Dobrowski.

Structures does not plan to announce its lineup until game time.

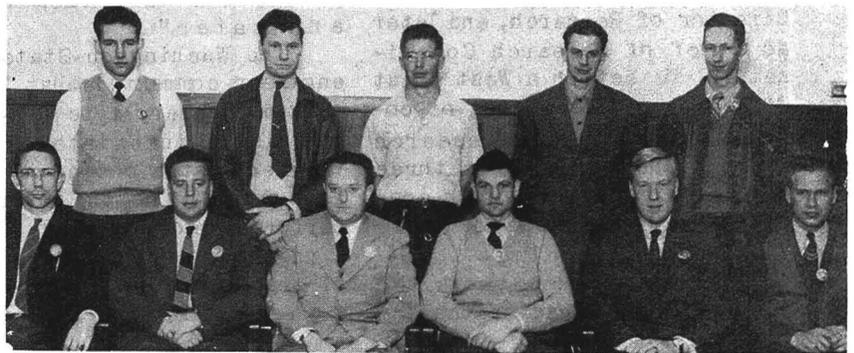
Three umpires will serve for the exhibition encounter; Melvin Butler, Personnel Officer; Jerry Teplitz, 19-foot Tunnel, and Irwin Schumacher, Engineering Section.

Members of the Laboratory staff and their friends are invited to attend the game; plenty of stadium and bleacher seats are available. There will be no admission charge.

The game will be a prelude to the official league openers at Darling Park May 1 between the 19-foot Tunnel and Engineering Section; and Flight Research and the Bat Busters (Stability). Fourteen teams are entered in the loop. Approximately 300 Laboratory employees are active participants.



CHAMPS: Structures Research, winner of the 1943 LMAL Softball championship, will play the Bulletin All-Stars in a pre-season contest at 2 p.m., April 23, at Darling Memorial Park in Hampton. Members of the title-winning team (from left): Front row - Manny Stein, Pat Chiarito, Si Diskin, John Neff. Second row - Bill Sperry, John Kousz, Walter Woods, Len Bartone, Norman Rafel. Third row - Carl Rossman, George Zender, Evan Schuette, John Houbolt, Rolla Boughan, Harold Crate, Joe Kotanchik.



ALL-STARS: Eleven of the 17 members of the Bulletin All-Stars, who play Structures in a pre-season exhibition softball game, are shown. They include (from left): Front row--Bill Nelson, PRT; Nick Mastrocola, PRT; Capt. Anshal Neihouse, Stability Tunnel; Ira Ramsey, Project Engineers; Axel Mattson, 8-foot Tunnel; Arvo Luoma, 8-foot. Back row--Claude Hart, Full Scale Tunnel; Dale Burrows, Cowling and Cooling; Paul Marchal, Engineering Section; Roy Lange, Full Scale; R. E. Little, West Sheetmetal.

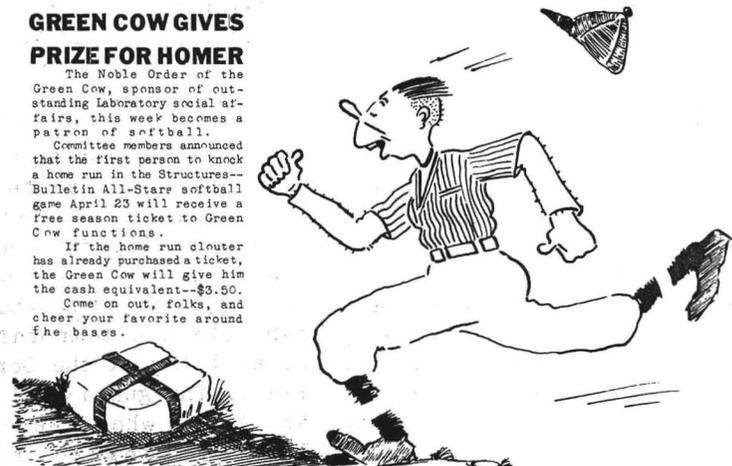
## GREEN COW GIVES PRIZE FOR HOMER

The Noble Order of the Green Cow, sponsor of outstanding Laboratory social affairs, this week becomes a patron of softball.

Committee members announced that the first person to knock a home run in the Structures--Bulletin All-Stars softball game April 23 will receive a free season ticket to Green Cow functions.

If the home run cluster has already purchased a ticket, the Green Cow will give him the cash equivalent--\$3.50.

Come on out, folks, and cheer your favorite around the bases.



## ROBINSON SUBJECT OF NEWS ARTICLE

Russell G. Robinson, Chief of Research Coordination of the NACA, was the subject of a feature article in the Washington Times-Herald on April 17.

Pointing out that "it is upon the information in reports made of the studies and experiments of the NACA that the aircraft designers plan the planes they build", the article described Mr. Robinson "as one of the unseen, unsung, little-heard-of outside his profession heroes of American aviation--the aeronautical engineers".

For several years after his graduation from Leland Stanford University, "Mr. Robinson toiled diligently and happily on high-speed research" at LMAL. Then came the war and he was brought to Washington as assistant to Dr. Lewis, Director of Research, and later as Chief of Research Coordination. He set up a West Coast Office, and took charge of coordinating all the research done in the Committee's three laboratories and the work done by university staffs under contract.

"In peacetime we work two to five years ahead of the in-



RUSSELL G. ROBINSON

dustry", he was quoted as saying, "but now we take today's problems today. We take today's planes and make them faster and safer".

The Washington-State-born engineer commented that "we've worked on every type of American plane in existence, and the next batch coming out, too. When we hear of the wonderful performance of any plane, we've a right to feel a little proud of the Committee's work, don't you think?"

### NEW BADGE FACILITIES OFFERED IN WEST AREA

Some West Area employees on the night shift have experienced difficulty in leaving Langley Field at the end of their work hours because of the loss of their regular badges. Since it had been a fairly rare occurrence, no facilities were provided for the issuance of temporary badges in this area.

However, the Electric Generating Plant has agreed to be headquarters for temporary badges after regular hours. This activity is staffed 24 hours each day. Any employee working late or unusual hours can obtain a temporary badge by applying at the Generating Plant. The guard will take up the badge when the employee leaves Langley Field.

## SPONSORS GLIDER

### CONTEST APRIL 30

The Brain Busters will sponsor a hand-launched glider meet from 1 to 5 p.m. April 30 at the La Salle Avenue flying field to inaugurate the 1944 model airplane season on the Peninsula.

Entry fee is 50 cents, except to contestants under 16 years of age, who will be admitted for 25 cents. Prizes will be a percentage of the entry fee total. First prize winner will receive 50 percent; second gets 30 percent and third, 20 percent.

Prizes will be awarded at the regular meeting at 8 p.m. April 30 at the Industrial USO in Hampton. Members are urged to renew their affiliation at the meeting. All others wishing to join are invited to attend. The membership fee is \$1 for three months.

Prizes will be awarded at the regular meeting at 8 p.m. April 30 at the Industrial USO

Meanwhile, it was announced that Academy of Model Aeronautics rules for 1944 governing gas-powered model airplanes have been unanimously rejected by the Brain Busters.

The rules which were adopted cover only engine piston displacement limits for classes: Class A--0---.20 cubic inches. Class B--.20---.30 cubic inches. Class C--.30--1.25 cubic inches.

No other rules as to wing or power loading, size of ship, fuselage cross-sectional area, or landing gear will be in force. An engine run limit will be fixed, however; this most likely will be tenths of a second.

Brain Buster members feel that these rules will promote individual initiative and ingenuity and a greater variety of designs will likely be introduced.

### BUY WAR BONDS

**BREEZY:** First application of an NACA Cowling to a complete plane occurred at Langley Field on Oct. 12, 1928. Uncowled it traveled 118 mph; cowed: 137 mph.

## USO NEWS

This week's program at the Hampton Industrial USO will begin Sunday, April 23, with open house from 2 to 11 p.m. On Monday, April 24, at 8 p.m. the bridge club will meet. Chess night will feature the April 25 calendar. Dancing class will be held on Wednesday, April 26, at 4:30 p.m. The movie "Stage Door Canteen," starring many stars and name bands will be shown on Thursday, April 27. On Friday, April 28, at 6 p.m. there will be an eating meeting. Dancing to records will be on the Saturday, April 29 program.

**LOST:** A school key with Boxer E. 42 inscribed on the back. Believed to have been lost on the NACA bus. If found, please notify E. Boxer, phone 234.

# LIFE AT THE LABORATORY

**WEDDING BELLS:** Letitia Cassidy, Duplication, and Randolph M. Smith of Newport News, said "I do" April 19 at the First Baptist Church, Newport News....Peggy Barber, Stock, will be married April 29 to Huyke Urrutia of Newport News...."Toots" Prospere, Free Flight Tunnel, and Jane White, former messenger, walked down the aisle April 20.

**PASSING BY:** Lt. Col. Arthur L. Drumwright, Army Air Corps, and former engineer at Tank No. 1, visited the Lab April 17 and renewed acquaintances with old friends.

**BRIDGE TOURNAMENT:** Helen Flanagan, ALD, and Jerry Teplitz, 19-foot Pressure Tunnel, are doing quite well in the ALD bridge tournament; they are running a close second.

**SECTION MEETINGS:** The engineers of Structures Research had a supper meeting last week in the cafeteria. Samuel Levy, National Bureau of Standards, was guest speaker. He discussed his work with the von Karman equations....The engineers of the 19-foot pressure tunnel met April 17 in the Projection Room. J. Charles Sivells, R. Harry Neely, R. Roy Graham, and Jerry Teplitz were in charge of the program.

**UNATTACHED PERSONS ONLY:** The unattached personnel of 16-foot Tunnel are forming a club for old maids and bachelors only and plan to give a party at least every three weeks. Any member becoming entangled in matrimony will be fined \$5.

**HERE AND THERE:** Roxanah Yancey, ALD, is back after a visit to her home in North Carolina....Wilhelmina Strowd, Engineering Section, spent last week in Winston-Salem and Greensboro, N. C....Ilando Capolino and Edward Meagher, Engineering Section, are back after a fling in New York....Robert Malachowsky, Construction, has returned from a vacation in New Jersey....Selma Arnn, Electrical Office, is visiting her home in Danville... Tony Tsourounis, Engineering Section, is visiting at his wife's home in Winston-Salem, N. C....Charles McCarty has left the Electrical Office to don Navy blues....Vivian Jennings, L Purchase, and her husband, Douglas, Construction, are back after a trip to Tennessee and Mississippi.

**PARTIES:** Shirley Riley, Structures, and Ann Merfeld, 8-foot High Speed Tunnel, had a housewarming April 15, at their Southampton apartment. About 58 guests attended....The

When a girl is as cool as a cucumber it's a cinch she's not green.

—Banana Peelings



**HARDBALL:** Anyone interested in playing on an NACA hardball team may send his name to the Bulletin Office. The chances of getting into the Army League are very slim; however, if enough persons are interested, outside games can be arranged.

Free Spinning Tunnel had another of its well-known skating parties April 19, at the Stuart Gardens skating rink. Many more activities are being planned by the social committee composed of Ralph Stone and Les Schneider.

**CHIT CHAT:** Eugene Lillis, Construction, has returned after a visit to New Orleans.... Ben Sheinwald, Construction, is back from Boston....Tiny Hutton, Marge Hutton, Seymour Bogdanoff, and Harriet Eisenberg, have returned from a fling in New York....Lavern "Stormy" Hanson, L Purchase, has gone to Washington where he will work in the Washington Office for the next two months....George Zender, Structures, is back after a visit to his home in New Kensington, Pa....Eleanor Gobble, 16' Tunnel, saw her brother-in-law, Pfc. Charles Gobble, for the first time last week. He has been out of the States for the past five years....Carlyle Moore and Tommy Selby, Engineering Section, have returned from a visit to Burgess Store, Va.

**STORK VISITS:** The folks in Room 201, Administration Building, have settled down to work after being under a tremendous strain for the past few weeks. After much pacing and an excessive amount of smoking, Lee Dickinson, Editor of the LMAL Bulletin, became the father of a daughter, Anne Moreland Dickinson, born Thursday, April 13; and Guy Ferguson, Classification, father of a son, Richard, born Friday, April 14....John Hagerman, Engineering Section, was passing out cigars last week. He is the father of a daughter, Lynnanne Jean, born Sunday, April 16.

**MISCELLANY:** Anne Pinkel, formerly of the LMAL Editorial Office, and wife of Ben Pinkel of AERL, was a visitor to the Laboratory this week....Dorothy Bria, AWT, entertained staff members at a recent party given in honor of Dorothy Pierce....Sarah Whitley, AWT, spent last week-end at her home in Murfreesboro, N. C....Una F. Bradd, Impact Basin, is vacationing with her husband, Tech. Sergt. Kenneth Bradd, in De Ridder, La....Mary Frances Mikell, Impact Basin, has returned after recuperating from a recent illness at her home in Charleston, S. C.

**REUNION:** Andy Veryzer, Instrument Service, his wife, Frances, and son, Andy, spent last week in Islip, N. Y., where they attended a reunion with Mr. Veryzer's family and Mrs. Veryzer's sister of Bethpage, N. Y.

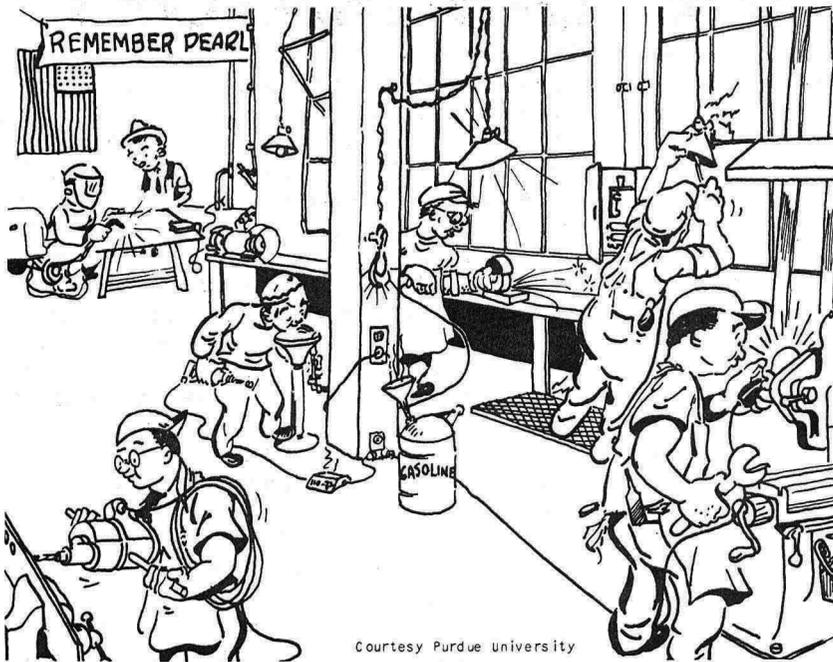
You can always tell a city girl from a country girl when it's windy. A city girl will grab her hat—a country gal will grab her skirts.

—Arizona Contact

*He who escapes a duty, avoids a gain.*

—Theo. Parker

# ANY UNSAFE PRACTICES HERE?



Courtesy Purdue university

## ELECTRICAL EQUIPMENT HAZARDS

For actual accident hazards appearing in the above picture, see next week's Bulletin.

### ANSWERS TO SAFETY CARTOON IN APRIL 15-21 BULLETIN

1. Man spraying paint should be wearing respirator.
2. Open light hanging above the painter creates explosion hazard.
3. Working parts of landing gear exposed to paint. Should be protected by scotch tape or some other type of mask. (This is not a hazard to the worker, but could be very dangerous for the pilot and is therefore a case of this workman not considering the safety of others).
4. Girl's hair is too long. Should be "done up" or she should be wearing some sort of covering on her head.
5. Man showing an inattentive attitude toward his work.
6. Man wearing torn and sloppy gloves.
7. Neither girl nor man is wearing safety goggles.
8. Man pouring metal (8) has pants rolled up.
9. isn't wearing leggings;
10. has shoe laces untied;
11. wearing ordinary lace shoes.
12. has short sleeves.
13. should be wearing goggles.
14. Man carrying compressed-gas cylinder alone, and 15. should be wearing safety shoes.
16. Man using wrench instead of hammer.
17. Man using mushroomed chisel.
18. Not wearing goggles.
19. Has improper grip on chisel.
20. Has file sticking out of back pocket.
21. File has no handle.
22. Man operating lathe (22) is without goggles;
23. wearing tie;
24. wearing wrist watch;
25. has loose sleeves;
26. wearing apron with tiefastener (should be snap).
27. No chip guard on lathe.
28. Man knocking off icicles should be wearing hard hat.
29. Man knocking off icicles is in shirt sleeves. (If weather is cold enough for snow and ice it is cold enough to dress warmly when going out of doors, even if for short periods).
30. A window sill is a dangerous shelf for milk bottles, etc.

### WASTE PAPER SALVAGE PLAN AT LANGLEY FIELD EXTENDED

The Maintenance Section will need the cooperation of all Laboratory employees in its efforts to adhere to Army regulations and extend the waste paper salvage program.

The Salvage Division of the Army requests that the Laboratory send only waste paper free from any foreign

substances such as glass, cloths, and garbage.

Please put only waste paper in your waste baskets. Any other material to be disposed of should be placed next to the waste basket or in a separate basket and brought to the attention of your janitor.

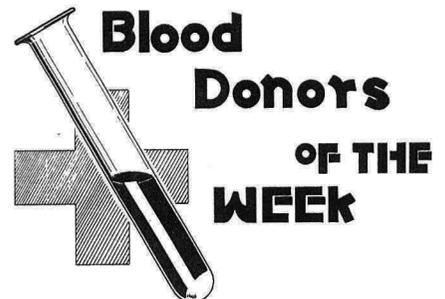
### STAFF MAY OBTAIN INFORMATION ON PERSONNEL BY CALLING 386

All information on personnel may now be obtained from the Personnel Office, phone 386.

In the past, the Telephone Operators and Duplicating Section have supplied some of such information; however, this service is being discontinued and all persons desiring information on personnel will be referred to the Personnel Office.

**SWING SHIFT DANCES:** Swing shift dances are held every week from 12 midnight Wednesday to 3 a.m. Thursday at Ann Wythe Hall. "Swing shifters" at the Laboratory are invited to join in the fun.

**CONDOLENCES:** To Ruby Groseclose, Photo Lab, on the death of her father in Saltville, Va., Thursday, April 20.



## Blood Donors OF THE WEEK

### LMAL BLOOD DONORS

U. Oscar Lappi, Aircraft Loads Division, to emergency case at Dixie Hospital.

Robert L. Kenimer, Aircraft Loads Division, to emergency case at Dixie Hospital.

Foward H. Painter, Tank No. 2, to Dixie Hospital for emergency addition to blood-plasma bank.

Leslie E. Schneiter, Spin Tunnel, to Dixie Hospital for emergency addition to blood-plasma bank.

Charles E. Watkins, Stability Analysis, to Dixie Hospital for emergency addition to blood-plasma bank.

James C. Sivells, 19-foot Pressure Tunnel, to Dixie Hospital for emergency addition to blood-plasma bank.

Harry N. Henry, Safety Engineer, reported last week that the blood typing program at the Laboratory is progressing with much success. Five hundred persons' blood had been typed as of April 19.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 19, Vol. 3

Langley Field, Virginia, April 29-May 5, 1944

Page 1

### GLIDER CONTEST WILL INAGURATE SEASON APRIL 30

A hand-launched glider contest sponsored by the Brain Busters will be held at the La Salle Avenue flying field from 1 to 5 p.m. Sunday, April 30, regardless of weather.

Any number of flights may be made, and the average of the three best flights for each contestant will be considered the basis for the final judging. The winner of the contest will be presented with a perpetual glider trophy and 50 percent of the entrance fee total. The second prize will be 30 percent and the third prize the remaining 20 percent of the entrance fee total.

All contestants owning stop watches are requested to bring them to the meet. Other persons who own stop watches and who wish to act as timers, contact Frank Parmenter, West Area Machine Shop, at 340.

A number of challenge bets have been made on the outcome of the contest, with Frank Cisco, West Area Machine Shop, doing most of the challenging. Among those accepting the challenge are Dick Everett, Dynamic Tunnels Operation Shop; Dick Slade, Dynamic Model Shop; and Frank Parmenter, West Area Machine Shop.

Prizes will be awarded at the regular Brain Busters meeting at 8 p.m. April 30 at the Industrial USO.

### LMAL SOFTBALL LEAGUE OPENS MAY 1 WITH TWO GAMES SLATED

The Laboratory softball league's opening May 1 will feature two games which get under way at 5:45 p.m. at Darling Park in Hampton.

East Shops, with Jim Dawson lobbing them over to Charlie Rogers, will meet the 19-foot Tunnel team, whose battery includes Pat Cancro as pitcher and Owen Deters as catcher.

The Bat Busters (Stability) will be busy on an adjacent diamond with Flight Research. Henry Rottersman will twirl and Dick Everett will catch for the Busters. The Flight Research battery was not announced.

H. J. E. Reid, who hadn't tossed a baseball since his more youthful days in New England, got the loop off to an official start April 23 by throwing out the first ball at the Structures -- Bulletin All-Stars exhibition contest played before 300 spectators.

Structures, last year's champs, won by a 5 to 0 score. In the Structures half of the first, Dave Ochiltree and John Neff, both on base by virtue of singles, came home on Carl Rossman's scorcher past Claude Hart.

Other Structures scores were tallied in the sixth. Rossman's single, a free pass to Bartone, and another single by John Houbolt produced one run. Diskin's long fly to left brought in the final score.

ALL-STARS	AB	R	H	O	A	STRUCTURES	AB	R	H	O	A
Marchal, cf	3	0	2	0	0	Ochiltree, 3b	3	1	1	0	2
Neihouse, sf	3	0	0	5	0	Chiarito, c	1	0	0	1	0
Hart, 3b	1	0	0	1	0	Kofanchik, 1b, 2b	3	1	1	3	0
Little, 3b	1	0	0	1	2	Baughan, 2b	0	0	0	0	1
(a) Mattson	1	0	0	0	0	Neff, c, 3b	3	1	1	3	0
Lange, p	3	0	0	0	1	Rossman, 1f	2	1	1	2	0
Sweger, lf	3	0	0	2	0	Bartone, ss	1	1	0	0	2
Ramsey, c	1	0	0	2	0	Crate, rf	1	0	0	2	0
(b) Lowell	1	0	0	0	0	Houbolt, rf	1	0	1	0	0
Draley, 1b	3	0	0	4	0	Zender, sf	2	0	0	4	0
Mastrocola, ss	2	0	0	2	1	Diskin, p	3	0	0	1	0
Spooner, rf	2	0	0	0	0	Kousz, cf	2	0	0	0	0
Brewer, 2b	2	0	1	1	4	Schuetz, cf	1	0	0	0	0
Totals	26	0	3	18	8	Woods, 2b	1	0	0	1	0
(a) batted for Little in 7th.						Hickman, 1b	1	0	0	4	0
(b) batted for Ramsey in 7th.						Totals	25	5	5	21	5

Errors - Structures: Chiarito, Bases on balls - off Lange 5, off Zender. All-Stars: Hart 3. Left on bases - Structures 11, All-Stars 5. by Diskin 4.



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor . . . . . H. Lee Dickinson  
 Associate Editor . . . . Ruth Angel  
 Reporters . . . . . LMAL Employees

*"Official News"*

In an effort to separate official news from other information appearing in the columns of the LMAL Bulletin, space on the last page of subsequent issues will be devoted to official material. It will be set off by a border and will be printed under a standing title, "Official News".

Such official news will appear in the Bulletin, whenever possible, instead of utilizing memoranda to the staff. It might be pointed out that much official news has appeared in the Bulletin since it was inaugurated more than a year ago. Some persons, however, have suggested that the official news be separated in order to alleviate any difficulty in determining it as such.

This means, then, that every person at the Laboratory should read the Bulletin--at least where the official news will be located. We realize that there are some who read the Bulletin and some who don't. We're not trying to force it on you. But from the next issue on, employees should realize that it will be in their interest to acquaint themselves with all the information that appears in the space designated for official news.

*So Long*

With this issue of the Bulletin, the present editor bows out of the picture after over a year of pleasant associations. In passing, he would like to offer thanks for much cooperation and helpful criticism and bespeak your continued interest on behalf of his successor.

CONDOLENCES: To Jean Ellis, Structures, on the death of her father on Friday, April 21, in Marion, N. C. To Sprague A. Bollinger, Photo Lab, on the death of his father on Saturday, April 22, in Charleston, West Virginia.

Pity the man who marries for love and then finds that his wife has no money.

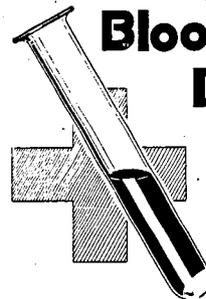
I'd live in a bower,  
 A cave, or a tower—  
 Even a barrel  
 With Madeleine Carrol.

—SHOOT 'EM DOWN.

## GIRLS AWAIT START OF SOFTBALL PLAY

Plans for the opening of the LMAL girls' softball league are still in progress. At the meeting held Wednesday, April 26, at the Hampton Industrial USO, it was announced that the Air Base diamond at Shell Bank has been secured for practice in addition to the one at Armstrong School.

The rules and schedule committees have not completed plans for the opening of the league but playoffs will begin in about two weeks. Another meeting will be held Wednesday, May 3, at the USO and it is hoped that at this time the rules and schedule committees will make a final report and that the playoffs will soon be in full swing.



## Blood Donors OF THE WEEK

*LMAL BLOOD DONORS*

Andrew Veryzer, Instrument Service, to wife of LMAL employee at Buxton Hospital, April 21.

Herbert C. Roehm, E. Machine Shop, to emergency case at Dixie Hospital, April 25.

W. Leon Jessee, E. Machine Shop, to emergency case at Dixie Hospital, April 25.

## NACA BOND RECORD FOR MARCH

	Washington	Langley	Ames	Cleveland	Total
Number of employees	122	2557	553	1794	5026
Number participating	116	2344	528	1569	4557
Percentage participating	95.08	91.67	95.5	88.869	90.7
Monthly pay roll	\$27,167	\$525,053	\$128,035	\$422,841	\$1,103,097
Amount subscribed	\$3,581	\$67,051	\$13,596	\$40,319	\$124,448
Percentage subscribed	12.8	12.77	10.6	9.54	11.2
Average subscription	\$30.01	\$28.67	\$25.75	\$25.70	\$27.31



STAG PARTY: Three LMAL employees attended the wedding of Thomas Leland Smull, formerly of ALD and now of the Washington Office, to Roberta Spidell, in Washington, Saturday, April 22. Hank Fedziuk was best man. Ushers were Ralph E. Ulmer and H. C. Chandler, Washington Office; Sid Batterson and John Garvin of LMAL. The above picture was taken at a Washington "hot spot" during the bachelor party given for Tom on Thursday night prior to the wedding. Fedziuk's only comment on the party was: "the condemned man ate a hearty breakfast two days later". Shown in the above picture are (from left): Fedziuk, Ulmer, Smull, Batterson, Garvin, and Edwin H. Parkhill.

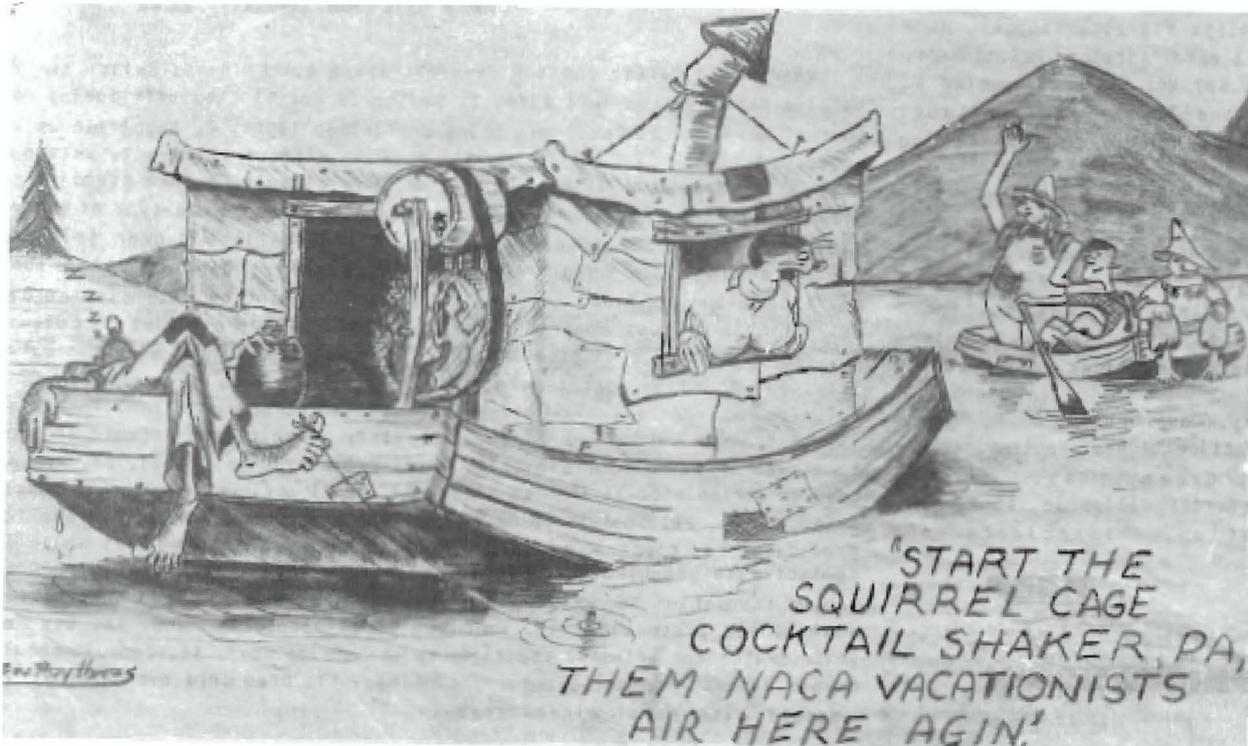
**SCHEDULE OF 14-TEAM LMAL SOFTBALL LEAGUE**

Teams are represented in the schedule by the following numbers: 1 - Engineering Section. 2 - Bat Busters (Stability). 3 - Full Scale Tunnel. 4 - 8-foot High

Speed Tunnel. 5 - Tank. 6 - AWT. 7 - Low Turbulence Tunnel. 8 - Structures. 9 - Instrument Research. 10 - PRT. 11 - Aircraft Loads. 12 - East Area Shop. 13 - Flight Research. 14 - 19-foot Pressure Tunnel.

Week of	5-1	5-8	5-15	5-22	5-29	6-5	6-12	6-19	6-26	7-10	7-17	7-24	7-31
Day of Week													
Mon. Dia. 1	14-1	3-1	2-4	5-3	4-6	7-5	6-8	9-7	8-10	11-9	10-12	13-11	13-14
Mon. Dia. 2	13-2	2-14	1-5	6-2	3-7	8-4	5-9	10-6	7-11	12-8	9-13	14-12	12-1
Wed. Dia. 1	12-3	4-13	14-3	7-1	2-8	9-3	4-10	11-5	6-12	13-7	11-14	1-10	11-2
Wed. Dia. 2	11-4	5-12	13-6	4-14	1-9	10-2	3-11	12-4	5-13	14-10	8-1	2-9	10-3
Thurs. Dia. 1	10-5	6-11	12-7	8-13	14-5	11-1	2-12	13-3	9-14	1-6	7-2	3-8	9-4
Fri. Dia. 1	9-6	7-10	11-8	9-12	13-10	6-14	1-13	14-8	4-1	2-5	6-3	4-7	8-5
Fri. Dia. 2	8-7	8-9	10-9	10-11	12-11	12-13	14-7	1-2	3-2	3-4	5-4	5-6	7-6

NOTE: All games start promptly at 5:45 p.m. Both diamonds located at Darling Memorial Park, adjacent to Hampton High School. No. 1 is East Diamond; No. 2 is West. Second team listed in each game is home team. Playoffs start Aug. 7.



# LIBRARY NEWS

The following new books are available at the Library:

530.2 H11 (v.2) Haas, Arthur. Mechanics of Particles and Rigid Bodies. Handbuch der Experimental Physik. v.2

530.2 N56 (v.7 pt.1) Niggli, P. Crystallography and Basic Theory of Basic crystal structure. Handbuch der Experimental Physik. v.7 pt. 1.

530.2 B17 (v.6) Bakker, G. Capillarity and Surface Tension. Handbuch der Experimental Physik. v.6

530.2 J18 (v.19) Jaffe, George. Dispersion and Absorption. Handbuch der Experimental Physik. v.19.

530.2 J74 (v.21) Joos, Georg. Excitation of Spectra Spectroscopic Analysis. Handbuch der Experimental Physik. v.21.

530.2 B65 (v.18) Bottlinger, K.F. Wave Optics and Polarization. Handbuch der Experimental Physik. v.18.

551.5 H88f Humphreys, W. J. Fogs, Clouds, and Aviation.

517.21 H99 Hyslop, James M. Infinite Series.

311.2 D39 Deming, W. Edwards. Statistical Adjustment of Data.

621.3842 L12 Ladner, A. W. & Stoner, C. R. Short Wave Wireless Communication.

530.6 P56 Physical Society of London. Reports of Progress in Physics. Vol. IX. 1942-43.

510.2 H18 Hamilton, W. R. His Mathematical papers. Vol. 2. Dynamics.

629.134 Y08 1944 Younger, Bonnalie, & Ward. Airplane Maintenance.

621.387 M61 Miller, Kempster B. Telephone Theory and Practice; Manual Switching and Substation Equipment.

668 S15 Simonds and Ellis. Handbook of Plastics.

668 C85 Crane, E. V. Plastic Working of Metals and Non-metallic Materials in Presses.

512.83 A19 Aitker, A.C. Determinants and Matrices. Interscience Pub.

621.4 G92 Grundy, R. H. Theory and Practice of Heat Engines. Longmans, Green, 1943.

517.3G41 Gillespie, R. P. Integration. Interscience Pub.



# 1942 INJURY RATE BY INDUSTRY FREQUENCY

DISABLING INJURIES PER 1,000,000 MAN-HOURS

TOBACCO	5.32
GLASS	7.01
STEEL	7.37
CEMENT	7.59
AUTOMOBILE	7.72
AIRCRAFT MFG.	9.53
CHEMICAL	9.90
RUBBER	10.06
LAUNDRY	10.27
SHEET METAL	10.77
MACHINERY	11.01
PETROLEUM	11.72
TEXTILE	11.95
AIR TRANSPORT	12.93
PUBLIC UTILITY	13.20
PRINTING & PUB.	14.10
NON-FERROUS METALS	14.76
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FEBRUARY  
1944 LMAL ████████ 25.94

LMAL'S RATE FOR JANUARY - 22.49

ANSWERS TO SAFETY CARTOON IN APRIL 22-28 BULLETIN: 1. Switch box on machine has level on left side. 2. Switch is not "locked off" during repair of machine. 3. Repairman using unshielded light. 4. Repairman using unguarded light. 5. File in pocket. 6. File without handle. 7. Belt on machine not guarded. 8. Man working on live circuit. 9. Man standing on grounded surface. 10. Open wiring to switch box. 11. Unsafe type of switch box. 12. Improvised fuse in box. 13. Misfit reflector over grinder. 14. Extension cord hung from nail. 15. Broken socket on extension. 16. Extension light not guarded. 17. Glaring light on extension cord. 18. Portable grinder apparently not grounded. 19. Open outlet on column. 20. Improper storage of gasoline. 21. Explosive vapors near electric outlets. 22. Grinding operation not shielded. 23. Extension cords create tripping hazards. 24. Low-voltage portable transformer broken. Possibility of primary circuit jumping to secondary circuit. 25. Workman in contact with drinking fountain while holding electric hand tool. 26. Frayed cord on portable drill (man at vise). 27. Drill obviously too heavy—should be supported. 28. Conduit to motor on floor should contact motor frame for grounding. 29. Electric welder in contact with frame of M-G set while in contact with grounded surface. 30. Welding without gloves. 31. Improper ground connection for welding operation. 32. Foreman observing operation without eye protection. 33. American flag improperly hung. 34. Use of knife switch for grinder. 35. Knife switch upside down. 36. Conduit should extend to motor on grinder for grounding. 37. Drop cord over grinder in contact with metal window frame.

# LIFE AT THE LABORATORY

**ILL WINDS:** Nancy Shelton, Rationing, has returned to the Lab after recuperating from a tonsillectomy at her home in Chase City.... Bob Malachowsky, Construction, is in the Dixie Hospital undergoing treatment for pneumonia.... Dorothy Teague, Electrical Office, has been ill for the past week.

**HERE AND THERE:** J. F. Furgeson, Stocks, has returned from a trip to Winston-Salem, N.C.... Virginia Rapchick, Electrical Office, is back after a visit to Shingle House, Penn.... Lea Livingston, Construction Purchase, is visiting her home in Texas with her Lt. husband.... Glenda Ellison, Stenographic Section, spent last week-end in Greensboro, N.C.... Mary Lou Mackie, Editorial Office, has returned from a week's visit to her home in Gastonia, N.C.... Doris Crook, Full Scale Tunnel, spent the week-end in Baltimore.

**SUPER-EARS:** In a recent auricle contest held among the Free-Flight Tunnel employees, Bob Schade was declared the winner of the title "Super-ears" and Jack Paulson was runner-up with the title of "junior ears". The winner's only complaint is that Flo Winton refuses to have her ears measured.



**WEDDING BELLS:** Ed Schwartz, Structures, was married Sunday, April 23, to Rose Lener, of New York.

**HEIR MAIL:** Esther Volin, formerly of the Property Office, is the mother of a son, born April 14.... J. Cabell Messick, Head of Engineering Service Division, was passing out cigars last week. He is the father of a son, born Monday, April 19.

**CHIT CHAT:** Mary Heater, Construction Purchase, is back after a visit to Pennsylvania with her Army husband.... Abe Moskovitz, AID, and his wife, Sylvia, are moving into the NACA family circle at Southampton.... Teddy Peebles, Office Service Division, spent last week-end in Greensboro, N.C.... Alpha Gay, Full Scale Tunnel, has left the Lab and gone to Richmond to be with her husband who is in the Navy.... Kitty White, Dynamic Model Shop, is vacationing in Baltimore.... Benjamin Wainwright has left the Dynamic Tunnel Operations Shop to become an air cadet.... Betty Beatty,

Free Flight Tunnel, is visiting in Lexington.

**OLD ACQUAINTANCES:** Lt. William Charles, formerly of Construction Purchase, visited the Lab Friday, April 21.... Lt. Frank Kawalkawicz visited the Dynamic Model Shop last week and renewed old acquaintances.

**ADIEU:** The Stock Section had a farewell banquet for Dave Buchanan, who will leave soon to become one of Uncle Sam's boys. The banquet was held at the Hi-Hat, Friday night, April 28, and approximately 40 guests attended.

**BRIDGE TOURNAMENT:** The AID Bridge tournament is in its final lap. Richard V. Rhode, Division Chief, and his wife are leading with more than 2000 points over the runners up, Helen Flanagan and Jerry Teplitz.

**SUCCESS AT LAST:** The Tank Softball Team got its self-respect back the other day by defeating the Engineering Section Softball team in a practice game, 4-1. The players' ego is so inflated that they are planning to trounce the service men's team from Hampton Roads Port of Embarkation in a game Sunday, April 30, at 2 p.m. on the Port diamond.

**WELCOME BACK:** Friends of Norwood Evans, Employment Office, welcome him back to the Laboratory after recuperating from a recent operation.

**UNDISCOVERED TALENT:** Jerry Kayten, 19-foot Pressure Tunnel, has discovered his hidden talent. He is devoting all of his spare time to playing the bagpipe.

**PARTYING:** Polly and George Redmon entertained the 8-foot Tunnel Saturday night, April 22, at their home in Wistful Vista. It was definitely a pre-war affair, no rationing on fun or food.

**MISCELLANY:** Mary Mourhess, 8-foot Tunnel, spent the week-end at her home in Washington, D. C.... Gene Draley, 8-foot Tunnel, and his wife spent the week-end at Washington.... Oleta Church, AWT, spent the week-end at her home in North Wilkesboro, N. C.... Dorothy Ramsey, 8-foot Tunnel, is back after a visit to her home in Pittsburgh, where she was called upon the illness of her father... Becky Boykin, AWT, is spending a few days at her home in Mississippi and at Blue Mountain College.... Ed Palazzo, and Ralph Bielat, 8-foot Tunnel, are spending the week-end in Washington.... Ray Comenzo, AWT, spent the week-end at his home in New York.... Charlie Clark, 8-foot Tunnel, and family are spending the week-end in Washington, D. C.

**RIDERS WANTED:** Any one interested in a ride through western Kentucky in the near future, please call Hampton 7182.

All the things I really like to do are either immoral, illegal or fattening.

Alexander Woolcott

**FOR SALE:** 1940 Special Deluxe Chevrolet Sedan in good condition with radio and heater. Call Robert Kamm, Spin Tunnel, phone 321.

**BUY WAR BONDS AND STAMPS**

## SEVERAL MOVING TO NEW PROJECT

Many LMAL employees are moving into the NACA family circle at the Southampton Apartments, located on Kecoughtan Road. C. L. Woodward, rental agent, announced that a large number of the apartments, which will consist of 400 units when completed, are now available for occupants, and that the rental office is open on the project from 9:30 a.m. to 7:30 p.m. daily, telephone number Hampton 6979. A model unit is available for inspection.

The units consist of a living room, bedroom, dinette, kitchenette, and bath. A 7-cubic foot Frigidaire and a cook stove are furnished. The monthly rental fee of \$50.49 also includes heat and hot and cold water.

Applicants must make a payment of \$50.49 upon application. This payment does not apply on the rent but serves as a security deposit and is refunded after the apartment has been properly vacated. Monthly rent is payable in advance and the apartments are leased for a period of one year.

The project, which will be completed in about a month, will also include a shopping center with 2 grocery stores, a barber shop, a beauty shop, and drug store.

### TRAINING DIVISION MOVES TO ADMINISTRATION BUILDING

The office of Charles A. Hulcher, Chief of the Training Division, and his staff is now located in two offices next to the Duplicating Room on the second floor of the Administration Building.

The Division, recently created as a part of the Administrative Department, moved from an office located adjacent to the Dispensary in the Technical Service Building.

The telephone number, 300, remains the same.

Mirrors reflect without speaking and women speak without reflecting.

## Service Notes...

Among the most recent visitors to LMAL was a former employee, Flight Officer Robert Crawford, who left the Laboratory 13 months ago to enter the Army Air Corps. His nine months of flight training were climaxed by his graduation last April 1. He had the thrill of having his wings pinned on by his kid brother, Capt. Matt Crawford, also an ex-LMAL employee, who is training pilots at an advanced base at Jackson, Miss. Bob is a fighter pilot, and is now heading for helicopter school. He also has a Soldier's Medal which he said came after 'a night flight over Birmingham when the plane ran out of gas.

Bobby "Shorty" Harrison, former Instrument Service employee, writes to say that he has finished his basic training and is now being trained in automobile mechanics at Aberdeen, Md. "Shorty" thinks maybe the Army looked into his private life and found that he had a scooter that he took apart every week to make it run faster. His only worry is that when he put the scooter back together he always had a couple of parts left over and he feels sure that he can't get by with that in the Army. He said that he showed the recent article in the Bulletin about his rifle training to his sergeant, who insisted on keeping it to show to his next group of men and make sharpshooters out of all of them. "Shorty" writes that he ran across another ex-LMAL employee, Charles Wilson, formerly of the Machine Shop, and that the two of them got passes and spent Easter in Hampton.

D. E. Hicks, whose present address is PLT-GS-84-C6, Camp Peary, Williamsburg, Va., says he would appreciate hearing from his friends here. He also wishes to thank "all who helped and assisted me in my work. I didn't get a chance to say good-bye, or rather, 'until we meet again', so I'm saying now, it has been swell working with all of you. I started out green, and with your help and guidance I learned a trade which I now hope to follow in the Navy... I hope to see all of you again soon. So keep up the good work and I'm sure the final victory will come quickly".

J. T. Law also would appreciate some letters from friends here. His address is PLT-GS-85-C6, Camp Peary.

### Brother Wins Honor

Sara Kay, Electrical Shop, has received word that her brother, Major Jack H. Hipps, has been awarded the oak leaf cluster.

The Air Corps Advanced Flying School  
of  
Foster Field

announces the graduation of

Class 44-D

Saturday morning, April fiftieth

nineteen hundred and forty-four

Foster Field, Texas

Eugene C. Snyder

LIEUTENANT  
ARMY AIR FORCE

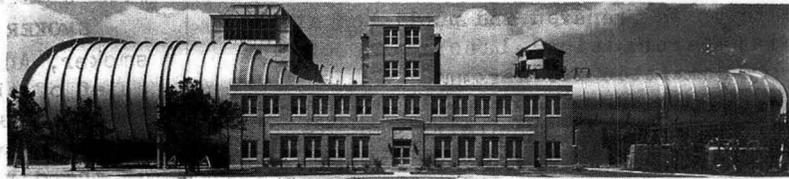
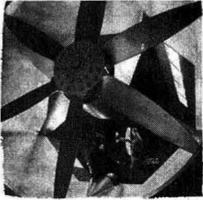
Eugene C. Snyder, former Photo Lab employee, received his wings at a recent graduation at Foster Field, Texas. He came to LMAL November 27, 1940 from Clarksburg, W. Va. and left to join the Army Air Corps September 2, 1942.

## USO NEWS

The program at the Hampton Industrial USO will begin this week with open house on Sunday, April 30. Monday, May 1, will be bridge night. An American Legion meeting and chess will feature the May 2 calendar. Wednesday night, May 3, will be devoted to orchestra rehearsal. The movie, "Mr. Lucky", starring Cary Grant and Lorraine Day, will be shown on Thursday night, May 4. An eating meeting will be held at 5:30 p.m. on Friday, May 5.

**BUY MORE WAR BONDS!**

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 20, Vol. 3

Langley Field, Virginia, May 6-12, 1944

Page 1

### CONTRACTS SEALED FOR NEW PROJECTS

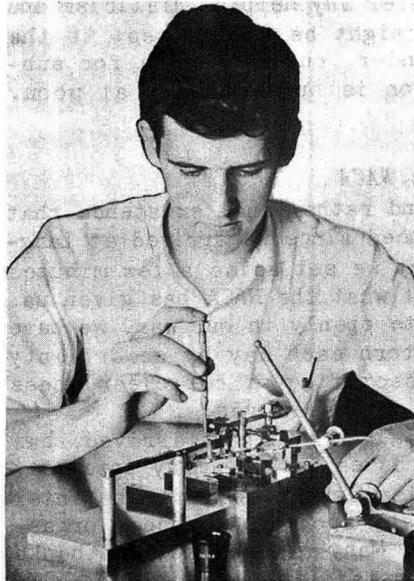
All contracts have been awarded and construction of all of the \$8,000,000 worth of new buildings and equipment in the West Area of the Langley Laboratory has begun. Ray W. Hooker, head of Construction, stated that when the project now underway is completed near the end of 1944, the research facilities in that area will be of the same magnitude as those in East Area.

The building of a new \$1,000,000 heating plant and steam distribution system is in progress. This heating system will be used to heat only the new buildings, but it is so designed that the entire new area may be heated by it sometime in the future. The Rust Engineering Company of Pittsburgh has the contract for construction of this building.

The form work and the first floor of the Physical Research Laboratory has been completed and it is expected to be opened in September 1944.

Other major projects in the program and the contractors include a 7- by 10-Foot Wind Tunnel, Pittsburgh Des Moines Steel Company; Furnishing and Installing Propeller Drive Unit for 8-Foot High-Speed Tunnel, General Electric; Electrical Equipment Building for 8-Foot High-Speed Tunnel, West Model Shop Extension, Electrical Building, Aircraft Loads Calibration Laboratory, Roads and Sewer System, Wind Tunnel Laboratory, Aircraft Loads Building, and Sheetmetal

### LMAL INTEGRATORS COMPLETED APPRENTICE BOYS CREDITED



In the above picture, Frank Hilsdon is shown working on one of the integrators.

Shop, Virginia Engineering Company of Newport News; Gust Tunnel, Electronic Aircraft Instrument Laboratory, and Induction Aerodynamics, F. D. Rich Company of New York City; Furnishing and Installing Propeller Drive for 7 by 10-Foot 300 Mile-Per-Hour Wind Tunnel and Propeller Drive Unit on 7- by 10-Foot Wind Tunnel, Westinghouse Electric and Manufacturing Company.

Small equipment contracts have also been awarded for small buildings such as electrical distribution, cables, miscellaneous research equipment for various laboratories.

Due to the expansion of the Committee's activities about two years ago, there became a vital need for an increase in the number of integrators used at the three laboratories. Previously, these instruments were obtainable only from Switzerland, but since the country was surrounded by axis powers, it was impossible to get them out of the country and into the United States.

#### *Apprentices Successful*

After a canvas was made of the three laboratories to determine the number of instruments required, drawings were made and turned over to the Instrument Service Shop. Under the supervision of W. I. Dansey, the following apprentices are responsible for the success of the instruments: Frank Hilsdon, Paul Fournier, Roger Fournier, Edwin Odell, and Herbert Schaeffer.

#### *Instruments Completed*

In spite of a number of delays due to unforeseen difficulties, the instruments were completed last week. These integrators are used primarily in pressure distribution surveys both theoretical and experimental.

After a careful check of the instruments made here at the Laboratory, they were found to be equal, if not superior, to those foreign made.



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor . . . . . Ruth E. Angel  
Associate Editor . . . . . Audrey Campbell  
Reporters . . . . . LMAL Employees

*Bon Voyage*

We, the new staff of the LMAL Bulletin, wish our departing editor, H. Lee Dickinson, a fond and sad farewell. We wish him the best of luck in his new job with Uncle Sam's Navy. We will miss him, but with your patience and cooperation we hope to carry on where he so capably left off.

Since we are comparatively new at this job, we will need your help. Please feel free to offer any helpful criticism and send in any contributions that might be of interest to the Laboratory employees. As a reminder, our dead-line for submitting material for publication is on Wednesday at noon. The telephone number is 376.

*Thank You, NACA*

In spite of the speeded-up and rather full existence that each of us employees has experienced since we arrived at Langley Field, it seems feasible that we set aside a few minutes occasionally to take inventory of what the NACA has given us. Along with a chance to participate openly in our war, we have had a chance to live lives not torn each day by uncertainty and fear and not demanding the sacrifice of our cleanliness, transportation, leisure time, or pleasures.

There is not one of us who, since we first arrived, has not made several invaluable friends as well as many interesting acquaintances. We must realize and appreciate the entertainment and recreation given us by sponsored dances, organized sports, and section parties. Many of us also owe thanks for our housing and transportation facilities, which the NACA has helped us obtain.

Let us not forget the kindness and interest shown each employee which is expressed by placement in a position most suitable to us in view of our former training and education, inspection tours of the field, opportunity for personal advancement through sponsored classes, and privilege of expressing our dissatisfaction with any phase of our work. Let us show our appreciation to the NACA by the fullest cooperation with our fellow workers and by a renewed effort to make our organization grow - in size, in reputation, and in production.

*Luck To Lee*

From the many letters received from members of the LMAL staff wishing Lee Dickinson luck and Godspeed, it is obvious that our former editor will be missed not only by the Bulletin Office but by the entire Laboratory. He has been praised for his service to LMAL, commended for his willingness to sacrifice his private life temporarily to serve his country, and complimented for his own personal qualities.

The LMAL joins together in awaiting Lee's return and, meantime, wishes him the best of luck and success.

# CLEVELAND CLIPPINGS

**SMOKER:** At the third AERL smoker, Addison M. Rothrock, chief of the Fuels and Lubricants Division, told employees that the two main objectives of the division are "to determine what is the maximum economy and the maximum power we can get from new and improved fuels and lubricants, and to find by mechanical devices means for increasing these maximums".

**LOST SILVERWARE:** The manager of the cafeteria asks that all silverware that was removed from the cafeteria be returned. It is estimated that since the opening of the AERL cafeteria approximately \$600.00 worth of silverware has been lost.

**LOBBY LINES:** Walter H. Reiser of LMAL was in Cleveland on official business.

**TENNIS:** AERLites are organizing a tennis club and four courts have been obtained for the matches. Members hope this new activity will take their mind off of gas rationing, and that the extra layer of excess around the middle will gradually disappear.

**SMASH HIT PARTY:** Four hundred folks joined the party given by Engine Research and Supercharger Division. The highlight of the evening was the egg hunt with the four winners giving a public performance.

★ ★ ★

**ADMINISTRATIVE OFFICE MOVES TO SECOND FLOOR**

The offices of Elton W. Miller, Chief of the Administrative Department, W. Kemble Johnson, Administrative Officer, and Edward Howe, Assistant to Administrative Officer, are now located in two offices across from the Editorial Office on the second floor of the Administration Building.

Mr. Miller's telephone number, 201, and Mr. Johnson's number, 220, remain the same. Ed Howe's new telephone number is 322.



# SPORTS



## SOFTBALL LEAGUE ENTERS SECOND WEEK

The second week of the softball league will open with two games on Monday, May 8. Full-Scale Tunnel will play Engineering Section with Henry Schatz, West Sheetmetal Shop, umpiring; and Bat Busters (Stability) will tangle with 19-Foot Pressure Tunnel with Jack Westfall, Impact Basin, umpiring. On Wednesday, May 10, the 8-Foot High Speed Tunnel will meet Flight Research Division with Jerry Teplitz, 19-Foot Pressure Tunnel, umpiring; and the Tank will vie with East Area Shop with Joe Kotanchik, Structures, umpiring. AWT will play Aircraft Loads on Thursday, May 11, with Gene Santi acting as umpire. Two games will be played on Friday, May 12. Low Turbulence will meet PRT with Anshel Neihouse, Stability Tunnel, umpiring; and Structures will battle with Instrument Research with Jack Westfall, Impact Basin, umpiring. All games will be played at the Darling Memorial Park, Hampton.

In the opening game of the season played Monday, May 1, 19-Foot Pressure Tunnel overwhelmed Engineering Section with a score of 17-0. Ray Salmi was pitcher for the winners and Leonard Spelber for the losers. On Wednesday, May 3, 8-Foot High Speed Tunnel defeated Aircraft Loads by a 10-5 victory. Don Baals pitched for 8-Foot and Bill Aiken for Loads.

## PH-F-F-TS WIN BOWLING TOURNEY

The results of the third round in the Stability Division Bowling League are as follows:

Team	Section	Games		Percen. won
		won	lost	
Ph-F-F-Ts	Free-Flight Tunnel	15	6	.715
Tumblers	Spin Tunnel	14	7	.667
Wreckers	AWT	11	7	.611
Soule's Stable Boys	Stability Tunnel	10	8	.555
Spinners	Spin Tunnel	9	9	.550
Genius, Inc.	Free-Flight Tunnel	4	14	.286
Bamber's Bombers	Stability Tunnel	2	16	.125

In the play-offs by the winners of the three rounds in the league, the Ph-F-F-Ts defeated the Tumblers and Genius, Inc. Credit must be given to the AWT Wreckers, also, for coming in second in two rounds and for finishing third in one round.

## COMPUTERS WILL GIVE USO SUPPER

It is customary for various organizations to sponsor Sunday night suppers at the Hampton U.S.O., and it has been found that the servicemen greatly appreciate this courtesy. Last year the East Area Computing Section gave one of these informal suppers, and the girls have been invited to give another this year. This time, however, all the com-

puting sections on the field were included in the plans for the supper which is to be given May 7. Some girls from each of the computing sections of the various tunnels will be at the U.S.O. to entertain and serve the soldiers, and others who cannot be present at the supper will help prepare the food and will assist financially.

## C. JOHNSON WINS GLIDER CONTEST

The Brainbusters' hand-launched glider contest was held as scheduled last Sunday at the La Salle Avenue flying field. The singing whine of ascending gliders filled the air for four hours, during which time long thermal flights were made. Caldwell Johnson, East Engineering, had the longest single flight, which lasted 3 minutes and 39 seconds. Strong thermal flights were in evidence most of the afternoon, and only a brisk wind held down the lengths of the flights as gliders drifted rather than passed from sight overhead.

The winners of the contest along with the total length of time for the 3 best flights are as follows: Caldwell Johnson, East Engineering, 7:14; Frank Parmenter, West Machine Shop, 6:38, Joe Boyle, East Model Shop, 5:46.

Among the runners-up Dick Sladek, Dynamic Model Shop, 5:22; Frank Cisco, West Machine Shop, 3:54; Dick "has-been" Everett, Dynamic Tunnels Operation Shop, 3:35.

The nine gliders which Frank "the challenger" Cisco brought to the meet could not stave off defeat, and it is understood that he lost some cash as he went down flinging.

The next event on the contest calendar is a gas powered contest on Sunday, May 28. Further details will be announced at a later date.

Plans are also under way for a big gas and rubber power meet on August 27. The club hopes to make it bigger and better than last year's sea-plane championships.

Men marry because they are tired, women because they are curious; both are disappointed.

--Oscar Wilde

The wife who drives from the back seat isn't any worse than the husband who cooks from the dining-room table.

# Service Notes...

Harleth G. Wiley, formerly of the Free Spinning Tunnel, writes from Williamsburg that the Navy is a great life, if you like to get up at 5:30 a.m. He says, "I was blind-folded and led into a barber shop where my head was shaved an inch above my ears, bowl fashion, and the rest was cut to a short half inch. I sent my comb home with my civilian clothes". Wiley began work at the Laboratory July 1, 1943, and left on April 19, 1944. His present address is: A/S Harleth G. Wiley, GS, Platoon 488, Area A-6, Barracks 103, Camp Peary.

Bill Goodlow, formerly of Personnel, writes from somewhere in England to say "Hello" to all his friends. In his letter he writes the following: "The buying of war bonds is not in vain, believe me. You will never realize what it means to have real equipment. Through your efforts at home, we here at the battle front can hope to attain victory and a lasting peace....We won't let you down". Bill began working at LMAL August 1, 1942, and left it to go into the Air Corps on January 21, 1943.

★ ★ ★

# BUY WAR BONDS FOR VICTORY

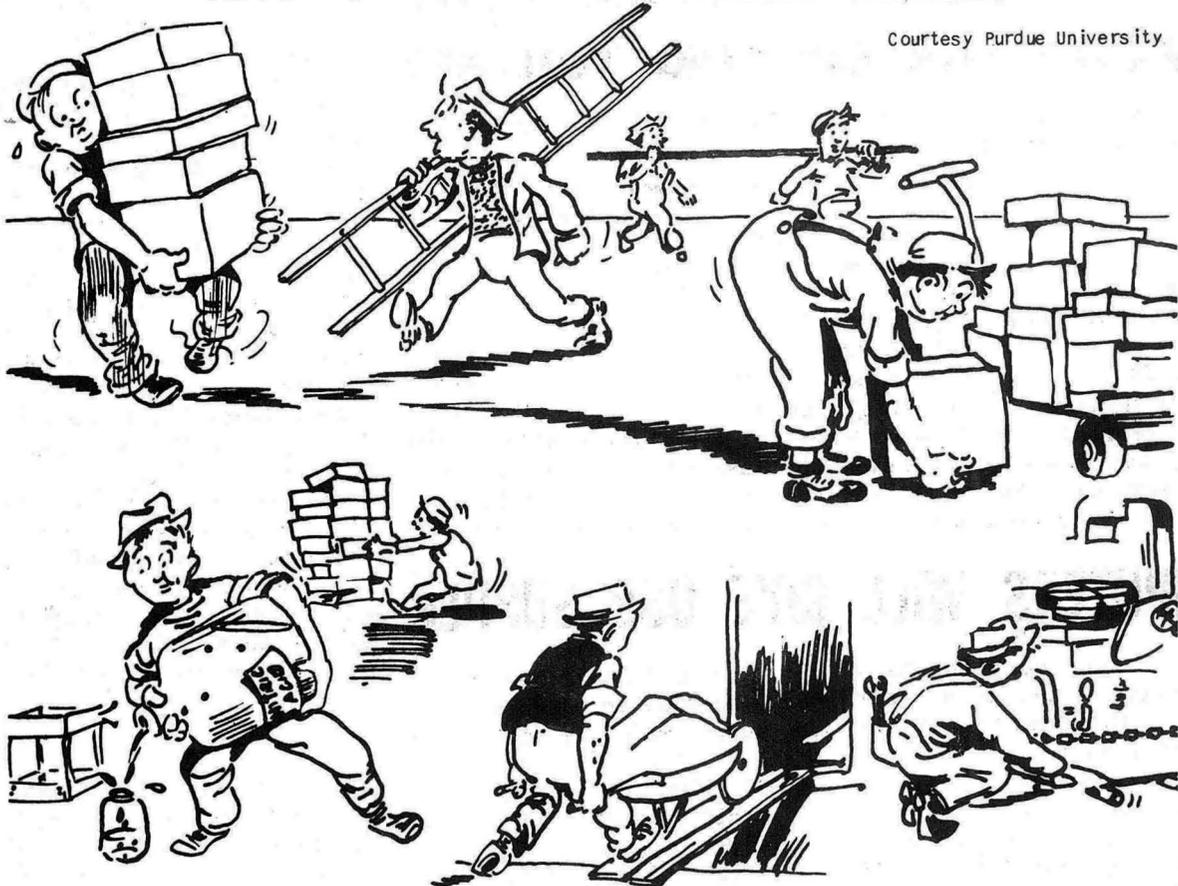
## DO NOT DESTROY TIRE INSPECTION RECORDS

Tiny Hutton, of the Personnel Services Office, issued a warning last week to all Laboratory employees not to discard their tire inspection records for their automobiles. Despite rumors to the contrary, it is still necessary to submit the record with each application for supplemental gasoline or for the renewal of the same. However, the tires need to be inspected only upon application for tires and tubes.

A new application form has been issued for supplemental and renewal applications. All employees are advised to make all future applications on the new form because no old form will be accepted after Sunday, May 7.

### ANY UNSAFE PRACTICES HERE?

Courtesy Purdue University



MANUAL HANDLING OF MATERIALS

For accident hazards appearing in above picture, see next week's BULLETIN.

# Life At The Laboratory

**VACATION RHAPSODIES:** Glenda Ellison of the Stenographic Section is visiting her home in West Virginia where she is spending some time with her brother who is in the service and who expects to be overseas in the near future...Sara Bullock, East Area Computing Section, is spending a week at her home in Danielsville, Georgia...Bill Biebel, Full Scale, and his family have just returned from a trip home to New York City...Lola Dodson, Full Scale Tunnel spent the week-end at her parents' home in Aspen, Virginia...Helen McLaughlin, Full Scale, and her husband spent his 2-week furlough in Pontiac, Michigan...Bob Boswinkle, PRT, is visiting his home in Roselawn, Indiana and John Morelli, PRT, his home in Boston...Dorothy Manbeck of Stability Analysis flew home to St. Paul, Minnesota to attend a family reunion...Les Schneider of the Spin Tunnel has gone home to Muncie, Indiana for a visit...Harriet Fowler, Purchase, is back after a 2-week vacation in Norfolk...Frank Fay, Purchase, spent the week-end in King and Queen, Virginia...Wilhemina Kroll and George Baab of Structures are both back at the Lab after visits to their respective homes in Washington, D. C...Hilda Porter, Selective Service, has returned after a week's excursion to New York.... Harold Crate, Structures, and his wife are back after a trip to Washington, D. C.

**MAY DAY TRIPS:** Flo Winton, Free-Flight Tunnel, and Louise Cox, Flight Research, will return to their Alma Mammy, Randolph-Macon Women's College, in Lynchburg, Virginia for the May Day exercises this week-end...Esther Wendling, Flight Research; Bill Mueller, Full Scale; Anne Smith, Aircraft Loads; and Ed Palazzo, 8-Foot are attending the May Day exercises at the University of Richmond today.

**ROMANCE:** Florence Lee, formerly of Full Scale, was married at St. John's on Monday, May 1, at 5:30 to Lt. Carl Van Putnam of Inchelium, Washington. The couple will make their home temporarily at Camp Stewart, Georgia...Hal Sweberg, Full Scale, is engaged to Toby Berger of New York City and will be married in June.

**MISCELLANEOUS:** Dave Buchanan, Stock, left Monday, May 1, to enter the army...Louise Moss, formerly of 16-Foot, is at her home in West Virginia awaiting further orders from the WAC...Pat Patten, formerly of Personnel, leaves May 15 for Washington where she will go into training for overseas duty with the Red Cross as a staff aid...Frances Bray, Selective Service, received word that her brother, Lt. George Peacock who is 1st pilot of "Missbehavin'" was awarded the Air Medal and Oak Leaf Cluster...Among those initiated into the Photo Lab Seaters' Club during the past week were Virginia Bangsberg, Dot Severance, Mary Thorne Tyson, J. J. Lankes, Clyde Lumpkin, Mrs. Webster, and Rufus House. Awaiting immediate induction is Dr. Aery of the Selective Service Office.

**PARTIES:** The Fourth Department is having a runner-up to New Year's Eve on Saturday, May 6, at the Chamberlin Country Club from 10:00 until 2:00. The Southerners will play and the dance will be semi-formal...Aircraft Loads threw a really good one at John Garvin's house Saturday night, April 29, with Don Reisert and Helen Taylor, PhD, cutting all three rugs in the living room...The 16-Foot had a get-together at Gloucester Country Club Sunday, April 30...Structures had a going-away party for Merven Mandel who leaves soon for the Navy, on Saturday night, April 29, at Dave Ochiltree's. Although labelled a stag party, the computers were invited to join in at 12:00; wild shrieks scared off the few that sought entrance, however.

## RICHMOND CALLING

OR YOU TOO CAN BE A PRIVATE

Trips that cannot be appropriately listed under "Vacation Rhapsodies" but that are well worthy of being recognized are the Richmond excursions for induction into the ACER. Transportation is furnished on the luxuriously equipped Virginia Creeper, which offers facilities for card playing, dice throwing, gum chewing, and all-round bull shooting. Of course ample opportunity is given all to get a thorough view of the Virginia countryside, as the locomotive will stop at the meekest request. So cooperative and helpful has the engine been that it will even stop when not requested.

After the most delightful and refreshing of trips, the eligibles disembark on dry land in Richmond and are rushed over to the Induction Center. Casualties have been remarkably low up to date - only three have been mutilated beyond recognition when trapped in a swinging door and only five have suffered abrasions, bruises, and burns while working out new basketball passes in a phone booth.

Details of extension trips to Camp Lee are unavailable at present, unfortunately, but it is hoped that personal interviews with the lucky travellers will reveal further information.



DOUGLAS AIRVIEW

"See, Paw, I tol' ya we moved too close to the dive bomber plant!"

## Fourteen Employees In Theater Plays

Fourteen Laboratory employees are playing prominent parts in the acting and staging of plays by the Hampton and Newport News Little Theaters during the coming week.

The first play of the week is "Separate Rooms", a three-act comedy which will be presented by the Newport News group in the Newport News high school auditorium on Tuesday night, May 9, at 8:15. Admission is open only to members of the Little Theater and their guests.

Featured in the case are Phyllis Parker, PRT, as Linda Roberts, the "Girl Friday" of a Broadway columnist; Tiny Hutton, Personnel Services, as Scoop Davis, a high-powered press agent.

"Guest in the House", a psychological drama in three acts, will be presented by the Hampton Little Theater in the Hampton high school auditorium on Thursday and Friday, May 11 and 12, at 8:20 p.m. The play is under the direction of David M. Goldenbaum, Tank, who is well known for his long association with local theatricals.

The case includes John B. Parkinson, Tank; Marjorie Patterson, Personnel; Bob Seldon, Flight Research; Harold Levitt, East Engineering; Jack Cock, Instrument Calibration; John W. Ebert, Tank; and Annie Young, Personnel.

Douglas King, Tank, is stage manager and Ben Milwitzky, Impact Basin, is assisting him. Wilhelmina Strowd, East Engineering, is handling properties.

### Save Lives—Speed Victory!

GREEN COW DANCE, MAY 19

The Noble Order of the Green Cow is sponsoring another dance Friday night, May 19, at the Hampton Armory. Music will be furnished by the Southerners. Tickets may still be obtained from members of the committee.

## OFFICIAL NEWS

The Virginia State Department of Health is again making available to employees of this laboratory facilities for mass chest X-ray examinations at the low cost of 25 cents per person.

This service is offered as a form of preventive medicine, providing information which is of value to the individual in detecting incipient disorders, which if treated promptly may preserve his health.

The X-rays are taken with a 35mm photofluoroscopic unit. Cases showing disease are recommended for re-X-ray on conventional film and this additional service will be available at no additional cost to the employee.

X-ray examinations will be made May 22 to 27 inclusive.

A plan which will enable the X-ray clinic to function with minimum interruption to Laboratory work is being completed and details will be announced.

### LMAL BLOOD DONOR

Herman H. Ellerbrock of Cowling and Cooling to a wife of LMAL employee at Elizabeth Buxton Hospital on April 28.



KNOX DIES: Secretary of Navy Frank Knox, who died Friday, April 28, visited LMAL Nov. 4, 1943, viewing some of the facilities here and later speaking to staff members. He is shown above (second from right) during an inspection tour of one of the wind tunnels.

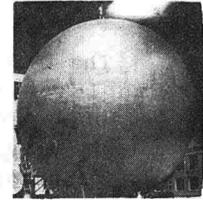
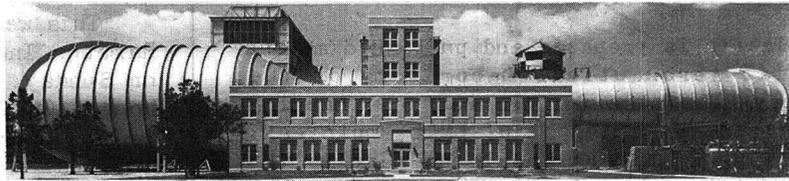
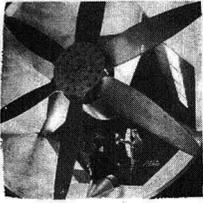
## USO NEWS

This week's program at the Hampton Industrial USO will begin with open house on Sunday, May 7. A bridge club meeting and girls softball practice will feature the Monday, May 8 calendar. The American Legion will meet on Tuesday night, May 9. On Wednesday, May 10 at 8 p.m. chess will be played. The movie "The Cowboy From Manhattan", will be shown on Thursday night, May 11, at 8 o'clock. Puzzles for Brain Busters and others will be on the program of Friday, May 13.

### Drama And Entertainment

A committee to organize a dramatic club met at the Hampton Industrial USO Thursday evening, April 27, with Laurretta H. Muir acting assponsor. All LMAL employees who have musical, dancing, or acting ability or who are interested in lighting, costumes, directing, properties, or other backstage work are invited to join. For further information, contact Lee Lewis at 256 or call the Industrial USO at Hampton 7782. At the regular meeting of the Industrial USO Sunday, May 7, organization plans for the club will be discussed and decided.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 21, Vol. 3

Langley Field, Virginia, May 13-19, 1944

Page 1

# RETIREMENT AND ANNUITIES

All employees of the Civil Service Commission, hired for the duration of the war or hired permanently, have 5 percent of their base salary, divided by 24, deducted for a retirement fund. Temporary employees do not have any amount deducted for such a fund, but at present few LMAL employees have a temporary status.

### *Who Can Retire*

Any Civil Service employee who, after 15 years of service, has reached the age of 70 years will be automatically retired. After 30 years of service, any Civil Service employee who is 55 years old may retire voluntarily; and, after 15 years of service, any employee who is 62 years old may also retire voluntarily.

### *Computation of Annuity*

There are three plans for computing an annuity for all employees who have retired. Under Plan I, the annuity, which is terminable upon death, consists of a sum of \$30 a year for each year of service, not exceeding 30 years, plus a purchasable annuity. The purchasable annuity is money in account multiplied by a purchasable factor which is based on the sex and age of the employee. The amount due each year cannot exceed three-fourths of the annual base pay received during any 5 consecutive years.

The annuity received under Plan II can not exceed \$1600

per annum. It will be the average base pay during any 5 consecutive years, not exceeding \$1600, multiplied by the number of years of service, not exceeding 30, divided by 40.

Under Plan III, the annuity received cannot be less than the average base pay during any consecutive 5 years multiplied by the number of years of service, not exceeding 35, divided by 70.

### *Payment of Annuity*

An annuity may be paid to a retired employee in several ways. The employee may receive an annual amount, computed by means of any one of the three plans, and upon death have the remaining sum vested in his estate. On the other hand, the employee may receive an increased annuity during life; but, if the full annuity due has not been paid upon death, the remaining sum will not go to his estate. Under the joint and survivorship annuity, the employee receives a reduced annuity during life; and upon death his beneficiary receives a continuing benefit, which has been predetermined as an amount either equal to or one-half of the reduced amount the employee was receiving.

Any employee who has served the Civil Service Commission over 5 years gets an annuity computed by one of the three plans. Interest on the amount invested in the retirement fund is 3 percent compounded

annually and is determined from the principal in the fund on June 30 of each year.

If an employee who has worked less than 5 years resigns voluntarily, the amount refunded will be the deductions for the retirement fund plus 4 percent interest on the amount, compounded annually beginning each June 30, minus the tontine, which is \$1 a month for each month of employment under the Civil Service. If the employee upon separation does not request that the money be paid and if the employee returns to work for the Civil Service for a total time of 5 years or more, the amount due will not be subject to tontine but will be computed as described in the preceding paragraphs.

### *Increased Annuity*

Employees who desire to have a greater annuity may deposit an extra amount each year in multiples of \$25. This increased amount, however, must not exceed 10 percent of the annual base pay.

## SOFTBALL SCORES:

19' PT 17, Eng. Sec. 0  
FRD 11, Stability 10  
Struc. 13, Low Turb. 3  
AWT 7, IRL 6  
Tank 4, PRT 3  
8' HST 10, AID 5  
FST 5, Eng. Sec. 0  
19' PT 5, Stability 4



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor . . . . . Ruth E. Angel  
Associate Editor . . . . . Audrey Campbell  
Reporters . . . . . LMAL Employees

*New Reporters*

Several months ago the Bulletin Office assigned one person in each section to gather news for "Life at the Laboratory". Since that time, however, there has been a turnover in personnel as well as a change in several divisions. New reporters have thus been assigned, or former reporters reassigned, to collect the news for publication.

The persons selected as reporters for the various sections are as follows; Rowina Daniels, 8-Foot High-Speed Tunnel; Rosie Bryant, PRT; Allie Faye Ellis, Hydrodynamics Division; Mildred Owen, Full-Scale Tunnel; LaVerne Priddy, Stability Analysis; Sue Hunt, Aircraft Loads; Jerry Teplitz, 19-Foot Pressure Tunnel; Flo Winton, Free-Flight Tunnel; Ann Engel, Engineering Section; Esther Wendling, Flight Research Division; Sara Whitley, AWT, Frances Hoback, Physical Research Division; Ruth Miller, Editorial Office; Dot Severance, Production Section; Florence Timberlake, Personnel Division; Mary Margaret Soper, Fiscal Office; Anna Darling Cumming, Apprentice Administration; Elizabeth Saunders, Maintenance Office; Frances Leigh, Files; Kitty White, Dynamic Model Shop; Betty Bohannon, Library; Les Schneider, Free-Spinning Tunnel; Seymour Bogdonoff, Fluid and Gas Dynamics; Glenda Ellison, Stenographic Section; Kay Wasson, East Model Shop; Ginna Tucker, East Area Computing Section; Evelyn Morris, East Area Machine Shop; John Quinn, TDT; Nancy Wall, 16-Foot High-Speed Tunnel; Jay Bird, Stability Tunnel; Shirley Riley, Structures Research Division; Katherine Turner, Construction; Jim Towe, Construction Purchase; Ben King, West Area Model Shop; Monk Jones, Langley Purchase; Kent Horton, Project Engineers; Jerry Couch, Impact Basin; Rachael Withers, West Area Machine Shop; Marjorie Davis, West Area Sheetmetal Shop.

If any section has been neglected, please inform the Bulletin Office, and a reporter for that section will be assigned immediately. Each person should report all items that he wants published to the designated reporter for his section.

It will probably be impossible to publish all the news gathered every week. The editors will thus include what is considered the most important news, without neglecting any section, and will sincerely appreciate the cooperation and patience of the readers as well as any helpful suggestions.

**BUY MORE WAR BONDS**

There is one thing more exasperating than a wife who can cook and won't, and that is the wife who can't cook and will.—Frost

The world is full of willing people: some willing to work, the rest willing to let them.—Frost

Woman would be more charming if one could fall into her arms without falling into her hands.  
—Remy de Gourmont

Take care to get what you like, or you will end by liking what you get.—George Bernard Shaw

**USO NEWS**

This week's program at the Hampton Industrial will open on Sunday, May 14, with open house. On Monday, May 15, the bridge club will meet. The American Legion will meet on Tuesday, May 16. A dinner meeting and chess will feature the Wednesday, May 17, calendar. On Thursday, May 18, the movie "Along the Rio Grande", will be shown at 8:30. The week's program will close on Saturday, May 20 with open house.

**COLLECTORS URGED TO HAVE REPORTS READY TO BE COLLECTED**

Collectors of the LMAL Federal Credit Union are urged to have the collected money, collection sheets, and pass books ready to be picked up on the morning of the fifth day following every pay day. Betty Rodman, Duplicating, has been appointed to go around the Laboratory and collect this material from each collector, and it is necessary that this report be ready.

The credit committee meets for approval on loans on every Tuesday and Friday at noon. Any one wishing to make application may send it to collector before noon on the previous day.

**SCOOPED AGAIN**

E. C. Buckley of Instrument Research was married to Mrs. Mary Lynn Austin Benson of Newport News on Monday, May 8, at Old Point Comfort. Mr. and Mrs. Buckley are spending their honeymoon at Valley View Inn, Hot Springs, and on their return will make their home at 79 Cherokee Road.

"Buck" is to be not only congratulated for his marriage but also complimented for keeping it a secret in spite of the efforts of the 2500 LMAL spies.

**HEIR MAIL:** The stork has made another in a series of scheduled visits to PRT. Lucas DeKoster joined the rank of new papas when he became the father of a daughter, Sara Kay, on Wednesday, May 10.

# SOFTBALL LEAGUE TO CHANGE NAME

At a softball meeting held recently at the Hampton Industrial USO, the representatives of the various teams voted unanimously to change the name of the NACA Softball League to the USO-NACA Softball League.

This action was taken in recognition of the support given the teams by the Hampton Industrial USO.

Spiked shoes were again barred from the league and all players are cautioned to wear only flat-soled shoes.

## Girls' Softball

The Girls' Softball League will open its season officially with a game between the Structures and Aircraft Loads teams on Monday, May 15, at the Shell Bank diamond H. J. E. Reid will be present to throw in the first ball at 5 p.m.

There are 8 teams contesting in the League, the numbers and captains, or co-captains, of which are as follows:

1. Flight Research, Eleanor Johnson.
2. Fluid and Gas Dynamics, TDT, and 8-Foot, Diane Turk and Millie Devine, tentatively.
3. Tank-PRT, Harriet Bender and Millie Kicklighter.
4. 16-Foot, Nancy Wall
5. Structures, Evelyn McCuiston and Sybil Bateman.
6. AWT, Margaret Farmer and Eleanor McKinstry.
7. Personnel, to be elected.
8. Aircraft Loads, Dot Beadle and Athelda McCarver.

Diane Turk, Fluid and Gas Dynamics, has been elected Chairman of the Captains' Club.

The schedule for games has been set and is included below:

Week of	5-15	5-22	5-29	6-5	6-12	6-19	6-26	7-10	7-17	7-24	7-31
Day of week											
Monday	5-8	7-8		6-7	3-8	4-8	4-6	3-6		1-3	1-4
Tuesday	1-2	1-3	6-8	1-5	4-7	3-7	2-7	4-5	1-2	2-4	2-3
Wednesday	3-4	2-4			1-6		3-5		3-4		5-8
Thursday	5-6		1-4	2-6	2-5	1-8	1-7	5-8	5-6	6-8	6-7
Friday		5-7	2-3				2-8		7-8	5-7	

# GIRLS' AND BOYS' SPORTS

In the second week of the softball league, 19-Foot Pressure Tunnel, Flight Research Division, Structures Research, AWT, Tank, 8-Foot High Speed, Full Scale, and 19-Foot Pressure Tunnel trounced Engineering Section, Stability, Low Turbulence, IRL, PRT, ALD, Engineering Section, and Stability, respectively. 19-Foot Pressure Tunnel is leading the league with two victories to their credit and no defeats.

## Softball Standings:

Pos.	Team	Won	Lost	Pct.
1	19' Pressure (14)	2	0	1.000
2	Flight Research (13)	1	0	1.000
2	Structures (8)	1	0	1.000
2	AWT (6)	1	0	1.000
2	Tank (5)	1	0	1.000
2	8' High-Speed (4)	1	0	1.000
2	Full-Scale (3)	1	0	1.000
8	Low Turbulence (7)	0	1	.000
8	Instrument Research (9)	0	1	.000
8	PRT (10)	0	1	.000
8	Aircraft Loads (11)	0	1	.000
12	Engineering Section (1)	0	2	.000
12	Stability (2)	0	2	.000
14	East Area Shop (12)	0	0	.000

Games scheduled for next week are: Monday, May 15, Stability versus 8-Foot High Speed and Engineering Section versus Tank; Wednesday, May 17, 19-Foot Pressure Tunnel versus Full Scale and Flight Research versus Low Turbulence. East Area Shop will vie with Low Turbulence on Thursday, May 18, and on Friday, May 19, ALD will battle with Structures, and PRT will meet the Instrument Research team.



Representatives of various softball teams. Left to right, front row: Dot Beadle, ALD; Sybil Bateman, Structures; Evelyn McCuiston, Structures; Margaret Farmer, AWT. Back row: Millie Devine, 8-Foot; Nancy Wall, 16-Foot; Athelda McCarver, Impact Basin; Eleanor Johnson, Flight Research; Harriet Bender, Tank; Diane Turk, Fluid and Gas Dynamics.

# HOW NOT TO SAIL

In March 1943 mid snow, rain, sleet, and unadulterated drear, three boys started cleaning, painting, sanding, and de-barnaciling a newly acquired sailboat for the coming summer. April 3 dawned, a pretty day with sunshine and a new 50-mile gale to replace the usual 80-miler. Nothing to do but launch the craft at 7 p.m.

Now our three heroes, known at the Lab as Kelley, Bennie, and Dick, were rather inexperienced and called in the re-knowned skipper, Clarence G. Prospere, to supervise activities on the igh seas. Preparations were made! Four layers of clothing covered each mate and the happy little crew disembarked midst cries of "Bon Voyage" and the less refined "Happy Sailin'".

Each of our heroes took his turn at the rudder under the able tutorage of the Skipper. Smooth sailing was rather monotonous, however, and so the Skipper took over to demonstrate some of the finer points of sailing.

It was 7:30, four sailors roamed the sea, the sky was covered with darkness, the wind accelerated to 60 miles an hour, then 70. then! It was 7:32, four swimmers roamed the sea, the sky was covered with darkness. Anyway one looks at it, it was a most embarrassing situation.

An army boat came steaming out of Hampton Creek to the scene of disaster, one and one-half miles off shore, and heard,

"Hey, Dick, where're you going?"

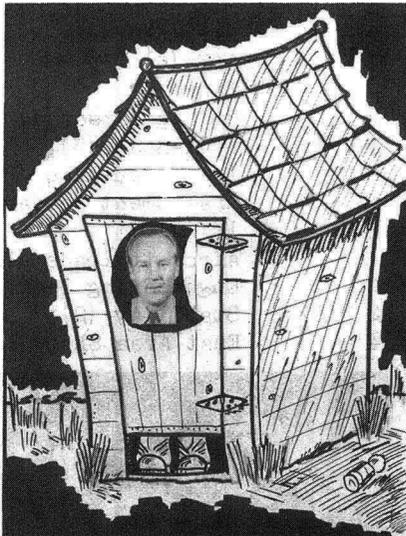
"I'm swimming ashore!"

"Well, why not get rid of some clothes?"

"What the, think I wanna get cold?"

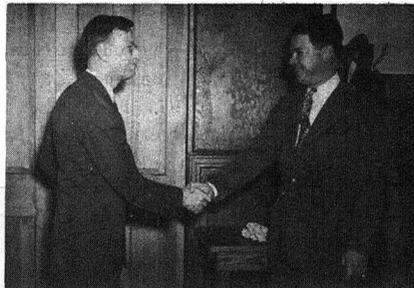
The able-bodied, 18-year old Major who was in charge on the army boat immediately took the situation and pen and paper in hand and demanded in broken voice the autograph of the miracle-diver who performed a 9-point swan from the peak of the mast. At that moment Kelley almost drowned.

After a formal interview of 15 minutes' duration, the four sea-soaked wonders were dipped from the deep and hauled aboard. A small rendezvous at the Yacht Club followed where tea, crumpets, and other heat-giving liquids were the main dish. The boys became quite happy soon, and four excruciatingly painful headaches were the only evidence of the actual contact with the foaming brine.



**A.T. MATTSON**  
YOUR BUSINESS SOLICITED  
G.I. EXPERIENCE

Although Axel was not a member of the Military Police or the Kitchen Patrol, it is obvious that he was patrolling.



FAREWELL: The above pictures were taken at the farewell party given recently at the "Hi-Hat" for Dave Buchanan, who has left the Lab to go into the Army. Guests included Mr. and Mrs. Elton W. Miller, W. Kemble Johnson, and friends of the depart-

# BRAIN BUSTERS TO HOLD MODEL CONTEST MAY 28

At the last meeting of the Brainbusters, the rules and regulations for the May 28 gas model contest were decided on. It was decided that an entrance fee of 75 cents would be charged and that the first prize winner would receive the Reiser trophy plus 50 percent of the total of the entrance fee, second place would receive 30 percent, and third place 20 percent. Each model will be allowed a ten second motor run and the number of flights will be unlimited. The winner will be determined by the highest total of the three best flights. Brainbuster rules for 1944 will govern the ships. Dick Everett will act as contest director.

Through an error in flight tabulations at the recent glider meet, Ed Swansey, East Machine Shop, was not credited with fifth place.

Frank "The Challenger" Cisco has already served notice that he intends to win the May 28 gas meet; however, he refuses to disclose any information in regard to his ship. Frank Vollrath is back in the meet after a year's absence and he claims that he has a 385 square inch Brown job coming off the line shortly.

Another meeting of the Brainbusters will be held Sunday, May 14, at the Hampton Industrial USO. All members are urged to attend.



ing inductee. In the picture on the left, W. Kemble Johnson is shown congratulating Dave Buchanan on his new assignment, and in the picture on the right Phoebe Martens is shown accompanying herself at the piano.

# LIFE AT THE LABORATORY

**PARTIES:** The Fourth Department Dance held at the Chamberlin Country Club Saturday night, May 6, was a big success. Employees are eagerly awaiting the announcement of the next event....The Free Spinning Tunnel had another of its skating parties Wednesday night, May 10, at the Stuart Garden skating rink.... Ernestine Hacskaylo, 16-Foot Tunnel, entertained at a bridge party Saturday night, May 6, for her two sisters who were visiting her....The Property Office and W. A. Leave Clerks, had a surprise birthday party for Floreine Bonnville during lunch hour Monday, May 8. Dickie Creech, Messenger, entertained guests with her version of "Happy Birthday". . .A group from Aircraft Loads had a picnic at Buckroe Beach on Thursday, May 4, for Dorothy Boardman, who plans to return to her home in Pittsburgh.

**HERE AND THERE:** Bertha Tallman, PRT, is visiting her home in Brooklyn.... Ed Howe, Assistant to Administrative Officer, is vacationing at his home in Syracuse.... Margaret Young, Head of Personnel Files and Records, is in Washington for the week.... Evelyn Smith, Blueprint, is visiting in Pennsylvania.... Dorothy Kelton, Photo Lab, is in New Orleans on a special visit.... Ruth Miller, Editorial Office, is visiting her home in Centre, Ala. . .Marvis Myers, Stenographic, has returned from a visit to Greensboro, N. C.... Viola Ohler, head of Editorial Office, has returned from a visit to her home in York, Penn.... Eloise Lada, Apprentice Administration has returned from a visit to her home in Crafton, West Virginia.

**ILL WINDS:** Fred Imley, Stability Tunnel, has been out for several weeks with a leg injury received while working in his victory garden.... Nona Sheets, TDT, is back at the Lab after undergoing treatment at the Dixie Hospital for a throat infection.... Margaret Swanson, Stability Analysis, is back at work after recuperating from injuries received while horseback riding.... De Elroy "Birds' Eye" Beeler, ALD, is in the Marine Hospital in Norfolk with a broken ankle. He acquired his new nick-name when his leg had to be packed in ice.

**ROMANCES:** Henry Allen Smith, East Machine Shop, was married April 20 to Elizabeth Frobes of Cumberland, Md.... Barbara Allen Moss, 16-Foot Tunnel, is engaged to Jim Mulvey, Curtiss Wright Representative. The wedding will take place sometime in May.... Vernon Ward, 16-Foot, will marry the girl from back home on June 25.

**VISITORS:** Gene Hicks, formerly of the West Sheetmetal Shop, recently visited the Laboratory. He has completed his Basic Training at Camp Peary.... Richard Giersch, formerly of the West Sheetmetal Shop, visited the Lab last week.... Jim Kelly, Washington

Office, visited the Lab last week and attended the Fourth Department Dance.... Percy Garrington, formerly of the 19-Foot Tunnel, now of the Amphibious Forces, visited the Lab on May 8.

**VACATION RHAPSODIES:** Sally Mills, AWT, spent last week-end at her home in Rocky Mount, N. C.... Polly Pollard, Impact Basin, spent last week-end in Richmond.... Rene Rhodes, AWT, made her first visit to the Old North State last week-end.... Wesley Tannenbaum, Impact Basin, spent the week-end at his home in New York.... Margaret Corbett, Stability Tunnel, is visiting her grandparents in Raleigh, N. C.... Lillian Woods, Impact Basin, has left the Lab to return to her home in Mississippi.... Becky Boykin, AWT, has returned after a two weeks' vacation at her home in Mississippi.... Rowina Daniels and Sara Whitely, 8-Foot, have returned from a long week-end in New York.... Jack Nielsen, Full Scale Tunnel, returned from a week-end in Philadelphia.... Hack Wilson, Head of Full Scale Tunnel, is visiting his mother in Jackson, Miss. . .Harold Levitt, Engineering Section, has returned from his home in Philadelphia.... Louise Paul, AWT, visited her family in Pike Roads, N. C.... Wilhelmina Strowd, Engineering Section, spent last week-end in Richmond.... Bob Liddell, AWT, has returned from a visit to his home in Watertown, Conn.... Wilmont Wagner, W. Machine Shop, has gone to Philadelphia to visit his Army brother.... Tommy Kurtyka, W. Machine, and wife are vacationing in Pittsburgh.... Helen Cowling, Construction, is visiting her home in Indiana.... Edward Griffin, W. Machine Shop, left Thursday, May 11, for the Army.... Jack Powers, Engineering Section, is back after a visit to Kentucky.

**MISCELLANY:** Martha Willis Tamm has returned to the Lab and is again working for Tom Hulcher.... Harriett Eisenberg and Diane Turk, Fluid and Gas Dynamic Analysis, are suffering muscular pains since their walk to Buckroe and back.... Leon Kincaid, East Machine Shop, is back after two weeks in Key West, Fla.... Bert C. Deis, E. Machine, is back from a visit to Denver.... Frances Moore, Tank, and husband spent last week-end at Virginia Beach.... Robert Olson, Tank, is visiting his home in Minnesota.... Mary Goodloe and Wilfred Kelley, Tank, are visiting Mary's home in Crozet.... Evelyn Bowers, East Computing, spent the week-end at her home in Sanford, N. C.... Ralph Avakian, 19-Foot, is visiting his home in Troy, N. Y.... Joe Pavlosky, Project Engineers, is visiting his home in Eastern Shore, Md.... Doris Nichols, L. Purchase, is visiting her home in Wheeling.

**ENGAGED:** Byron Buntin, Dynamic Model Shop, recently became engaged to Elizabeth Parkam, also of the Model Shop. Wedding plans are pending Elizabeth's recovery from mumps.

# Service Notes...

GREEN COW DANCE MAY 19

Since the last call in the January 29-February 4 issue of the Bulletin for contributions to the service men's kitty, the mailing list has increased from 18 addresses to 63. This means that \$1.89 is needed each week to send Bulletins to these men. Again we are asking for help. From the many letters received from the boys expressing their thanks, it is evident that this favor is appreciated, so try to find a few extra pennies and send them in to the Bulletin Office, Room 201, Administrative Building.

## *From Somewhere in New Guinea*

John S. Harrington writes from somewhere in New Guinea to tell something of his life there. He says, "Living in five-man tents, sleeping on mosquito net-covered cots, and eating from mess kits in the mess hall is a resume of the daily life". He writes that U. S. currency is considered foreign money and only Australian money is used. The names of the various coins include: threepenny piece, which is equal to four cents of American money; sixpence, equal to six cents; a shilling, equal to sixteen cents, and the florin or two-shilling piece, equal to thirty-two cents. Bills include the reddish brown ten shilling or half pound note, which is equal to \$1.60 in American money, and the green pound note, equal to \$3.20.

## *Robert Hill Sends Greetings*

Robert G. Hill, former employee of Full Scale Tunnel and East Machine Shop, writes to express his appreciation to LMAL employees for making it possible for him to keep in touch with the activities here at the Laboratory through the LMAL Bulletin. He wishes to thank each individual who has contributed to this cause. He also sends greetings to all his friends and says that he would like to hear from them. Bob has just completed his Pre-flight training and will soon go to Primary Pilot school. His present address is: A/C Robert G. Hill, Class 44U, Squadron 32, Group D, (Pilot), S.A.A.C.C., San Antonio, Texas.

Don't forget the Green Cow Dance Friday night, May 19, at the Hampton Armory. The Southerners are furnishing the music and tickets may still be purchased from members of the committee.

## OFFICIAL NEWS

### Safeguard Military Information

It has been brought to the attention of Laboratory officials that a few engineers are working on and discussing rather freely their Laboratory assignments at the Hampton Industrial USO, which is open to the public. Because most of the work at LMAL deals with confidential research, any such practice is considered a violation not only of Laboratory rules and regulations but of Army regulations. The assignments discussed may not have included any classified or confidential material; it is inadvisable, however, that any Laboratory assignment be mentioned in a public place.

The following regulations concerning the safeguarding of military information are quoted from the Army Regulations and the Administrative Regulations of the National Advisory Committee for Aeronautics:

Army Regulations-380-5, March 15, 1944:

Section 20 (c): "Either public or private discussion of classified military information with or in the presence or hearing of any person not authorized to have knowledge thereof is strictly forbidden."

Administrative Regulations for the National Advisory Committee for Aeronautics:

Section 54: "Restricted and confidential library material and official correspondence shall not be taken from the Laboratory without the approval of the head of the Laboratory or Administrative Officer. Copies of, or excerpts from, such documents shall not be made without similar approval."

Section 74: "All information concerning the activities of the Laboratory, not only with regard to the research program being carried out, but also with regard to equipment, structures, personnel, or any information concerning the operation of the Laboratory, must be treated as strictly confidential and should not be communicated by speaking or writing to individuals outside the Committee's employ."

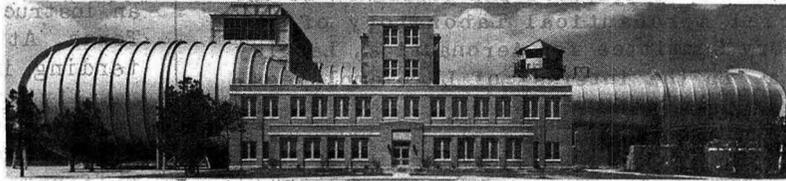
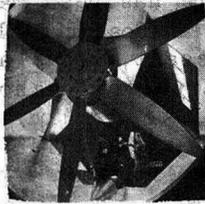
Section 75: "Evidence of improper disclosure of information will lead to immediate dismissal of the employee concerned."

A Digest of the Administrative Regulations, April 1, 1944:

Security: "No official correspondence, data, or photographs may be taken from Laboratory without approval of the head of the Laboratory... Information regarding activities of the Laboratory is strictly confidential and must not be disclosed to unauthorized persons..."

Any person violating these rules and regulations, under the Espionage Act, 50 U. S. C., 31 and 32, will be subject to imprisonment or a fine up to \$10,000.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

### CHEST X-RAYS BEGIN MAY 22

The question often arises as to whether or not chest X-ray examinations are worthwhile. It would seem that the question can best be answered by reference to statistics, which show that tuberculosis still kills more persons of military age, 18 to 38, of both sexes than any other disease.

The Army and Navy, fully cognizant of the problem, have required every member of the armed forces, male and female, to have chest examinations by X-ray in order to insure, to all purposes, elimination of chest diseases.

The results of mass X-ray surveys throughout the country showed that few persons 18 years of age or younger have active tuberculosis. Adult workers in the lowest income brackets were found to have the highest number of active or inactive pulmonary tuberculosis cases. Figures of arrested lesions increase with age.

It must be remembered that for those with acute tuberculosis even light work can be harmful, the least possible effect being a retardation of eventual recovery. Chest X-ray examinations reveal diseased conditions well in advance of clinical symptoms. Early diagnosis thus makes possible early treatment.

Those who have a record of colds, bronchitis, pneumonia, and other respiratory complaints, those who because of

### LMAL EMPLOYEES ACTIVE IN CIVIL AIR PATROL

Behind a veil of reticence carried over from the early days of the war when Civil Air Patrol was synonymous with secret anti-submarine or anti-sabotage patrols, a group of Peninsula aviation enthusiasts has molded the local CAP squadron into one of the most progressive units of its type in the states. An overwhelming percentage of its members, it was learned recently, are members of the Laboratory staff.

Although the squadron is based within a heavily restricted area, members take weekly trips to a less-restricted nearby zone and maintain flying activity. Many of the non-flying members, male and female, have recently begun flight training. As an aid to those planning or hoping eventually to obtain licenses, the squadron has initiated a regular series of ground-school courses. Several of the flying members have been given Link Trainer courses.

Far from being merely a sport flying club, however, the organization functions as an auxiliary of the Army Air Forces, and as such has been assigned a definite role in the war - and post-war - effort. A major aspect of this role at present concerns the training of several hundred high school students, many of whom are enlisted reservists awaiting calls to active duty as aviation cadets. For these reservists, the CAP cadet training replaces much of the pre-flight training formerly given aviation cadets. Cadets are trained in infantry drill, military courtesy and discipline, aircraft identification, radio communications, first aid, meteorology, navigation, and similar subjects.

the nature of their work are exposed to concentrations of dust, fumes, and the like, and those who simply have a healthy curiosity about their physical well-being need a chest X-ray. Chest X-ray examinations will be available to all LMAL employees during May 22-27 for the cost of 25 cents per person. On these days section heads will be called and informed where and when the section's personnel are to report for the examinations. Schedules will be followed which will avoid the loss of more working time than is absolutely necessary.

In order to carry on the the training program and other duties, a large organization of active CAP members is needed.

Membership is now open to those who feel they can serve an organization of this type in any way. Particularly desired are licensed pilots, mechanics, radio operators, stenographers, 4-year R.O.T.C. men and just plain people.

Regular meetings are held each Wednesday at 8 p.m. at the Hampton Armory. Information may also be obtained at squadron headquarters, 2506 Washington Ave., Newport News, Monday, Tuesday, and Thursday evenings between 7 and 10 p.m.



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor . . . . . Ruth E. Angel  
Associate Editor . . . . . Audrey Campbell  
Reporters . . . . . LMAL Employees

## Two Sections Aid Russian War Relief

The Russian families, who are now returning home to war-ruined and looted cities and villages that have been freed from Nazi invaders, need the many ordinary and inexpensive household necessities that Americans take for granted. The Russian War Relief is thus supplying 3,000,000 kits to be filled for these families by interested Americans. The Fluid and Gas Dynamics and the Stability Analysis sections have already ordered and received 20 kits, which they are now filling and preparing for shipment.

Other sections interested in aiding the Russian War Relief in this manner contact Doris Cohen, Stability Analysis, or Diane Turk, Fluid and Gas Dynamics. Members of these two sections will obtain the necessary number of kits and will take charge of the shipment.

The following articles should be included in the kits: 2 pounds of sugar; 5 ounces of dehydrated soup mix; 1 can of evaporated (not condensed) milk; 2 packages of bouillon cubes for broth; 1 box of sweet cookies; 1 pound of hard candy; 1 small sewing kit containing needles, pins, thread, and buttons; 2 bars of soap; 1 pair of knitting needles; 1 roll of 1-inch surgical adhesive tape; 1 roll of 2-inch gauze bandage; 1 package of cigarettes and 1 of pipe tobacco; 1 book of cigarette papers; 1 Turkish hand towel; and 1 pair adult's warm work gloves.

A label will be provided for each kit on which the donor may write his name, address, and a personal message. When the kits have been filled, they should be sealed with gum paper, and this label should be pasted on one end.

### New Reporters

In assigning reporters to gather news for "Life at the Laboratory", several sections were inadvertently omitted. Reporters for these sections are as follows: Chet Weislo, Cowling and Cooling; Dorothy Cole, Instrument Research; Sara Kay, Electrical Shop; Buz Walters, Procurement; and Murrayl Groh, Instrument Calibration.

## INDUSTRIAL USO NEWS

The program at the Hampton Industrial USO will open on Sunday, May 21, with open house. The bridge club will meet on Monday, May 22. A meeting of the model boat club will be held on Tuesday, May 24. The Wednesday, May 24,

calendar will feature USO mimes at 7 p.m. and orchestra rehearsal at 7:30. The movie "Mr. Big" will be shown at 8:30 on Thursday, May 25, and the week's program will end on Saturday, May 27, with open house.

## SERVICE NOTES

Eugene C. Snyder, who recently received his commission, writes that he has been made an instructor at Foster Field, Texas. At present, he is attending instructor's school and flying six to ten hours a day. He writes, "It is really going to be comical when I get my first class...I will get P40, P39, and P47 time while I am here, but I am afraid combat is out unless I get a lucky break."

Harold Long writes that he has finished his boot training and is attending service school at Great Lakes. When he finishes the course he will have been there eight weeks. He also writes that he is taking a course in Basic Engineering. Harold says that any letters from old friends would help a lot. His new address is: Harold R. Long, F 2/C Section B4-17 Barracks 305 UP, Service School. U.S.N.T.S.

Lt. John W. Quinn writes from Fort Benning, Georgia, to express his appreciation for the Bulletin. His new address is: Lt. John W. Quinn, O-1324453, Co. H., 1st Prcht Training Regt.

A card was received recently from H. Lee Dickinson, former editor of the LMAL Bulletin. He is stationed at Camp Peary, Williamsburg, and he writes that he got the works on Thursday. Thursday being the make-up day for the Bulletin, he says, "It seems that it always comes on that day." Lee's address is: A/S H. Lee Dickinson, Area C-8, Barracks 109, Camp Peary.

Milton Sherwood, who is stationed in Norfolk, writes that he has an office job in the Housing Office, as a Yeoman Striker. His duties consist of typing, filing, and handling phone calls. He sends his best wishes to everyone and hopes that he will be able to visit the Laboratory within the near future.

Louise Moss, formerly of LMAL but now of the WAC, is stationed at Fort Oglethorpe, Georgia.



# SPORTS



## Girls' Softball

### SOFTBALL

In this week's USO-NACA Softball league games, the East Area Shops, aided by the pitching of Cliff Links and Dale Burrows, defeated the Tank team 4-0. Charlie Daniels was the losing pitcher, and the winning runs were scored in the first and third innings. The Tank team got only two hits.

With the aid of Roy Lange, pitcher for last year's all-star team, Full-Scale defeated the Engineering Section 5-0.

With Fred Daum twirling seven hit balls, Flight Research defeated 8-Foot High Speed Tunnel 6-4. Five extra base hits were pounded out during the afternoon featured by Arvo Luoma's home run. The winning team got eight hits off Don Baals, pitcher for the losing team.

In another game played during the week, Structures, last year's champions, rallied in the sixth and seventh innings to overcome an eight run deficit and nosed out Instrument Research 9-8. Dave Ochiltree, after a shaky first inning, settled down and held Instrument Research scoreless during the remaining part of the game.

The 19-Foot pressure Tunnel just managed to win their game with Stability by defeating them 5-4.

Low Turbulence went on a rampage and humiliated PRT to the tune of 29-2, while AWT outplayed Aircraft Loads by a score of 5-2.

Approximately 300 persons attended last weeks games.

Next week a number of evenly matched teams are scheduled to play with the Structures versus Flight Research game on Thursday as the outstanding game of the week. Both teams are as yet undefeated with two victories to the credit of each.

Other games will be: Tank versus Full-Scale Tunnel; AWT versus Stability; Low Turbulence versus Engineering Section; 8-Foot High Speed Tunnel versus 19-Foot Pressure Tunnel; Instrument Research versus East Area Shops; and PRT versus Aircraft Loads.

Softball Standings:

Pos.	Team	Won	Lost	Pct.	G.B.
1	AWT (6)	2	0	1.000	-
1	Structures (8)	2	0	1.000	-
1	East Area Shop (12)	2	0	1.000	-
1	Flight Research (13)	2	0	1.000	-
1	19' Pressure (14)	2	0	1.000	-
6	Full-Scale (3)	1	0	1.000	$\frac{1}{2}$
7	Tank (5)	2	1	.667	$\frac{1}{2}$
8	8' High-Speed (4)	1	1	.500	1
9	Low Turbulence (7)	1	2	.333	$1\frac{1}{2}$
10	Instrument Research (9)	0	2	.000	2
10	PRT (10)	0	2	.000	2
10	Aircraft Loads (11)	0	2	.000	2
10	Stability (2)	0	2	.000	2
14	Engineering (1)	0	3	.000	$2\frac{1}{2}$

**LOST OR BORROWED:** A focus dial used for determining camera settings. If found please contact the Bulletin Office at 376.

**LOST:** Brown case containing 3 keys in vicinity of the Old Engine Lab. If found, please return to Esther Meidinger of the Photo Lab.

Mr. H. J. E. Reid began the Girls' Softball League officially by tossing in the first ball in the game between Structures and the Aircraft Loads teams on Monday, May 15, at the Shellbank diamond. The sidelines were packed with spectators, both Army and NACA, and Structures Lab was present almost 100 percent strong to cheer on its gals. The two teams were fairly evenly matched, the final score being Structures - 13 and Aircraft Loads - 8.

Jackie Martin and Margaret Steiner alternated as pitchers for Loads, as did Sybil Bateman and Evelyn McCuiston for Structures. Sybil received a rather serious hand injury when catching the ball about the middle of the game and was unable to play the remaining innings.

The combined team of Tank and Flight Research met the combined team of Fluid and Gas Dynamics, TDT, 8-Foot, and Personnel, known hereafter as FGDA, on Tuesday, May 16, at Shellbank diamond and bowled them over by a score of 32-4. Harriet Porter and Eleanor Johnson were pitchers for the winners, and Virginia Tucker and Alice Whitley for the losers. Emily Tutka and Cynthia Lowe of the Tank-Flight Research team were the home-run queens for the day.

### Retirement and Annuities

It has been pointed out to the Bulletin staff that a few statements in the story, "Retirement and Annuities", which appeared in the May 7-14 issue were somewhat misleading. The fourth issue of the Procedure Manual, which will appear in about two weeks, will contain a condensed explanation of the Retirement Act; however, and will clarify any difficulty in interpretation of the meaning of the act.

**LOST:** A maroon and black Sheaffer fountain pen. If found, call Ruth Webb at 345.

## PREVIEW TO VIRGINIA BEACH

Now that summer is practically upon us, all eyes turn to Virginia Beach, to white sand, brisk salt water, white-capped waves, and bathing beauties - well, bathing beauties. It therefore seems fitting to give a specified list of directions on how to get to the beach by the transit, which is often not rapid. The following is the route a would-be traveller would pursue, who starts out from Wythe District one Sunday morning:

- 1) Arise at least by 6 a.m. with a big smile, as there will not be many more en route.
- 2) Rush to either Kecoughtan Road or Chesapeake Avenue so that you can spend at least half hour waiting for a bus.
- 3) Ride until the busman throws you off - after all, you'll need a bit of hardening up for what is to come.
- 4) Catch the Buckroe flyer, hold on to your hat, and aim for Phoebus (One out of every 6 flyers makes the trip, and this may be your lucky day.)
- 5) You will have plenty of time to look around town before the bus to Old Point arrives - Chicago was never like this.
- 6) On to Old Point by bus with a completely unanimated "whoopee".
- 7) Sea time - take the ferry, don't swim, to the nearest dock.
- 8) An unforgettable trolley ride is yours for one-tenth part of a dollar - don't miss it - hurry, hurry.
- 9) You are indowntown Norfolk now; ask the first 85 sailors you see where the bus station is as they are all probably going on the same bus and will be glad to wedge you in between bathing suits.
- 10) Allow time to miss the first three buses - it often happens this way.
- 11) 45 minutes of bus ride and you're there, by golly, you're there confessing it was well worth it.

P. S. Do not forget to come back! If Monday dawns and you are void of sick leave, shooting yourself is recommended.

P. S., Jr. To those living beyond Wythe, it is suggested that you take up tennis, sailing, hiking, and golf because, alas, there is little hope for your passing through the Norfolk Naval Base without acquiring bell-bottom trousers.

## Thanks for Dinner

In appreciation of the supper given at the USO on Sunday, May 7, by the LMAI computers, Miss Emily Porter Baker, Assistant Director, writes:

"This is just a note to let you know how very much both the Staff and the Servicemen appreciated your lovely supper last Sunday night and all the various things you and your girls did to help make it a pleasant evening for the men by playing games, waiting on the snack bar etc. as well as putting on the supper. I wish we had your girls here every Sunday; the more girls the pleasanter the day for the men. Please thank them for me and tell them that we would welcome them here at any time."

SO YOU WANT TO BE DEFERRED!

From "Newsweek"

Thus titled, a notice on the wall at draft headquarters in New York met the envious eye of many a confusion-ridden registrant last week. Plain in language, unmistakable in meaning, free of any ambiguity, the pinup was a copy of Ethiopia's mobilization order of 1935 (in the war with Mussolini). An object lesson in streamlining, it read:

"When this order is received, all men and all boys able to carry a spear will go to Addis Ababa. Every married man will bring his wife to cook and wash for him. Every unmarried man will bring any unmarried woman he can find to wash and cook for him. Women with babies, the blind, and those too aged or infirm to carry a spear are excused. Anyone found at home after receiving this order will be hanged."

## USO ORGANIZES DRAMATIC CLUB

At a meeting held Sunday at the Hampton Industrial USO, a theatre group, the USO Mimes, was organized and activities for the club were discussed. It was decided that activities will include play production, floor shows, skits, talent shows, amateur hours, and other forms of entertainment to be presented for civilian war workers and service men. Programs will be sponsored by the USO, and membership is open to all interested war workers.

Among projects discussed for the immediate interest of this group were a Gay Nineties Variety Show and a clever three-act comedy, "Funza poppin'". It was decided that a Gay Nineties Revue, including several skits, dance and novelty numbers, and a barber shop quartette, would be the first production. Some of the parts have been cast, but others are needed to complete the cast for the show. Anyone talented in dancing, singing, acting, specialty acts, monologues, writing original material for shows, etc., is invited to join the club.

The USO club, which is sponsoring this activity, is contributing direction, costumes, make-up, music, and other material essential to the production of the show.

The officers of the club have been elected and are as follows: President, Leigh Lewis; vice-president, Sally Mason; Secretary, Kitty Ragland; publicity manager, Bob Stewart. Regular meetings will be held on Wednesday evenings at 7 p.m. at the USO.

The next meeting will be held on Wednesday, May 25, at 7 p.m. All war workers interested in amateur theatricals are invited to attend.

FOR SALE: Small icebox, \$10. Contact Marjorie Mumford at Purchase Office, West Area, or Dorothy Crook at Full-Scale Tunnel.

# LIFE AT THE LABORATORY

**ROMANCE:** Peggy Barber Urrutia, Stocks, has returned to the Lab after honeymooning in New York...Mary Jane Williams, Blueprint Room, was married last Friday to William Crosby of the Navy...Now it can be told, the climax of an Impact Basin romance, Jackie Martin is flashing a diamond - and, yes, it's Phil Edge...Anna George, Physical Research, became Mrs. John Dashiell recently in Portsmouth...Dot Boggs of Maintenance and her sergeant husband celebrated their first anniversary by a trip to Washington last week end...John Morelli, PRT, is now engaged to Jennie Compi of Waterbury, Conn. No date has been set for the wedding...Leon Kincaid of the East Machine Shop will be married in July to Helen B. Sands of Key West, Fla...Paul Hinski will be married on June 17 to his hometown gal, Marian Smith, in Minneapolis, Minnesota...Farewell to Hazel Philyaw who has left the Lab to be married to Lt. Walter Stroud, late of Fort Monroe.

**PARTIES:** The library girls and their guests, including Mr. and Mrs. W. Kemble Johnson and Mr. and Mrs. Elton W. Miller, had a picnic at Grand View on Sunday, May 14...Apprentice Administration had a week end party at the NACA lodge near Yorktown over May 13-14...John Wright, 8-Foot, entertained the 8-Footers last Saturday night at his home at Cavalier Court...The Free-Flight Tunnel was entertained by Joe and Virginia Shortal last Saturday night at their home...At the beach party given by the Dynamic Model Shop between Grand View and Buckroe, Kitty Ragland, fully clothed, got tossed into the Bay, but came up smilin'...The Impact Basin enjoyed a picnic at Yorktown after work on Saturday, May 13...The West Machine Shop threw a birthday party in the form of a weiner roast for Dave McCraw of Instrument Service last Saturday, May 13, and presented him with a new tool box. Gene Hicks, formerly of the West Machine Shop but now of the U.S. Navy, furnished the record player and Stanley Brigham, West Machine Shop, showed movies of several model air meets in Chicago and Michigan. Highlight of the evening was Ann Robinson's cackle which called attention to an underlying egg...16-Foot had a beach party Wednesday, May 10, at Grand View with a mass softball game the major attraction.

**ILL WINDS:** June Polhemus of Stocks is back after recuperating from a broken ankle...Doda Mae Smith, Stability Tunnel, is at her Kecoughtan Apt. home recuperating from an infected wisdom tooth...West Sheetmetal Shop welcomes back Earleen Kunan, who has been out since March 20 recuperating from an operation...Mary Jean Speedie of Personnel is being treated at St. Vincent's Hospital in Norfolk...Mary Alice Smith of AWT is in Stuart Circle Hospital in Richmond undergoing an appendectomy...W. L. Wilson, Electrical

Shop, is convalescing in the Marine Hospital in Norfolk...Raymond Swamford, formerly of the East Model Shop, is undergoing an operation to have a bullet removed that he received in actual combat duty...Fay Wilkes, Free-Spinning Tunnel, injured her knee at the Stuart Garden Skating Rink and has been out of work for several days being treated.

**VACATION RHAPSODIES:** Polly Schmidt, Reproduction, has returned after an extended visit to Newark, N. J...Eva Phillips, Photo Lab, has returned from a visit to her home in Beard, West Va...Julie Henderson, Files, spent last week in Washington, D. C., night-clubbing...Flossie Timberlake, Personnel, is taking life easy for a week at her home in Wythe...Wilson Burdette, Instrument Research, has returned from his home in Oak Hill, West Va...Fey Hill, Instrument Research, is back after visiting her home in Burlington, N. C...Doris Bloxom, Payroll Office, spent the week end at her home on Eastern Shore...Chris Reynolds, Payroll, visited her home in Illinois while her brother was on furlough...Doris Haynes, Full-Scale, and her husband have returned after a trip to his home in Indianapolis...Arvid Keith, PRT, is visiting his home in Durham, N. C...Dot Ramsey, 8-Foot, is back from a trip home to Pittsburg, Pa., and Allie McDonald, also of 8-Foot, has returned from her home in Sanford, N. C...Sue Kelley, Full-Scale, has returned from a visit home to Newark, Ohio...Virginia Rotter, Physical Research, and her husband of Fort Monroe are vacationing in Miami...Ferne Driver, 16-Foot, has returned from a visit home to Harrisonburg, Va...Vera Huckel, Physical Research, has returned from a trip to Philadelphia, Pa.

**MISCELLANEOUS:** James Betts, Allie Faye Ellis, Lloyd Fisher, and Hazel Storey, Tank, saw a performance of the opera, Lohengrin, in Richmond...Derwood Dereng, Dynamic Model Shop, became the father of a girl Saturday, May 13...John Garvin, Aircraft Loads, and his wife adopted a 6-year-old daughter, Margaret, on Sunday, May 7...Catherine Skrak, I.C.L., is in Norfolk this week-end acting as bridesmaid in a schoolmate's wedding...Annie Brown May, Payroll, is leaving May 21 to rejoin her husband in Wyoming...Lorene Williams and Maxine Johnston, Bond office, have returned to their respective homes and bid all the Lab friends "Adieu"...The new social committee at Full-Scale includes Claude Hart, Chairman, and Milly Owen, Gene Migotsky, and Lola Dodson...Gene Venckunas, 19-Foot, promised to kiss all home-run kings 3 times, raising the ante over Connie Hobbs' 2...The Aircraft Loads Bridge Tournament ended May 2 with the Rhodes winning high score and the highest individual score at one party and with Al Skokke and Virginia Smith winning the handicap prize.

# EAST COAST AIRCRAFT COUNCIL MET AT AMES LABORATORY APRIL 27

On April 27, the East Coast Aircraft Council visited the Ames Aeronautical Laboratory at Moffett Field, California, and inspected the 16-Foot High-Speed Wind Tunnel, the 7- by 10-Foot Wind Tunnels, Flight Research equipment (especially de-icing projects), and the 40- by 80-Foot Full Scale Wind Tunnel.

Meeting with them at the Laboratory was Dr. George W. Lewis, Director of Aeronautical Research for the National Advisory Committee for Aeronautics, who had been spending several days there conferring with Smith J. DeFrance, Engineer-in-Charge and members of his staff.

Chief among future problems, they agreed, were, first, safeguarding America's safety by production each year of an ample number of planes embodying latest improvements for the Army and Navy and, second, meeting the fierce competition that will be offered by other countries for commercial air supremacy.

## ANSWERS TO SAFETY CARTOON IN MAY 6-12 BULLETIN

1. Man carrying too much - back strain.
2. Man carrying too much - obscured vision.
3. Wearing sloppy pants.
4. Shoe laces untied.
5. Man carrying ladder with leading end down.
6. Cracked rung in ladder.
7. Man carrying long pipe on opposite shoulder.
8. Also these men are out of step.
9. Man lifting with back instead of legs.
10. Obviously has on cast-off summer shoes - should be safety.
11. Hand truck overloaded.
12. Hand truck poorly loaded.
13. Man carrying carboy of acid - back strain.
14. Should be handled in crate.
15. Is not wearing goggles.
16. Is not wearing rubber apron.
17. Is not wearing rubber gloves.
18. Is not wearing boots.
19. Has sleeves rolled up.
20. This, of course, is a poor practice from any angle, but he should at least have a funnel in small jar.
21. Man trying to pull box from middle of pile without first removing upper boxes.
22. Man pushing wheelbarrow has on unsafe shoes.
23. Doorway is narrow and he therefore should have guards on wheelbarrow handles and should be wearing gloves.
24. Using two boards as runway - should be three.
25. One board is cracked and unsafe.
26. Runway isn't blocked at either end.
27. Runway too short - not enough overlap.

**LOST:** Leather billfold Monday, May 15, around 4:30 between the Spin Tunnel and Administration Building. If found, please return to Luther Hoover, Mechanical Maintenance.

**CONDOLENCES:** To Millicent Kicklighter, Tank, on the death of her younger brother in Glennville, Georgia. To Jay Cayhill, whose father was seriously injured in an automobile accident.

★ ★ ★

**LOST:** Silver tie clip Saturday, May 6, between 19-Foot and the Instrument Service Building. If found, please return to Bill Conner, 19-Foot.

★ ★ ★

**RIDES WANTED:** W. Tannenbaum, Impact Basin, wants a ride north this week-end either to Washington or New York; call 342. Betty Ludwig, Flight Research, wants a ride to Tennessee any time within the next two weeks.

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## I Canoe, Can you?

This is the new motto of 4 girls in the Reproduction Section, and 2, Helen Carlberg and Viva Michels, are quite serious. During lunch half-hour one day, Helen and Viva went for a short cruise with 2 Langley Fielders, watched enviously by Dot Severance and Mary Thorne Tyson. Dot and Mary Thorne, dressed as if they had just stepped from the pages of "Vogue", marvelled at the ease of the trip and decided to venture out themselves. Quite excited and, one might say, a bit over-anxious they jumped into the skiff, whereupon terrific vibrations and violent oscillations commenced and a complete turnover ensued. Dot appeared first clinging to a pole, waist deep in water. Mary Thorne, after several wondrous under-water antics, next appeared.

"Vogue" had turned to "Ballyhoo", watches to water clocks, Dot to a short-skirted and mud-footed little girl, and Mary Thorne to a nymph garbed in seaweed, black mire, and fish-filled shells. The boys were no longer standard G.I. equipment and stood confused by the inverted USO duty.

Two minutes, however, restored good humor, renewed friendship, and instigated desire for a new canoe.



From "Vogue" to "Ballyhoo"; from Mary Thorne Tyson to dripping nymph.

## SOFTBALL SCORES:

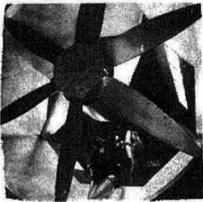
### Boys

FST 5, Eng. Sec. 0  
19' FT 5, Sta. 4  
FRD 6, 8' HST 4  
E. A. Shops 4, Tank 0  
AWT 5, ALD 2  
Low Turb 29, PRT 2  
Struc. 9, IRL 8  
FST 8, 19' FT 1

### Girls

Struc. 13, Loads 8  
FGDA 4, Tank-FRD 32

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 23, Vol. 3

Langley Field, Virginia, May 27-June 2, 1944

Page 1

### LABORATORY TO PICK MISS LMAL

With all the other campaigning going on in the world today, it has been decided to start a little voting of our own at LMAL. We want each of you readers to select your choice for Miss LMAL and to include her name and yours on the spaces indicated in the ballot below.

#### *Basis of Choice*

We all want our Miss LMAL to look really good on display and to make us feel proud that she belongs to us. Base your choice, therefore, on personality and posture as well as on good looks.

#### *Method of Judgment*

The votes received will be counted, and the highest sixteen will be announced in next week's Bulletin. Pictures of these girls will be sent off to some reknowned judge of feminine beauty whose choice will be our choice.

#### *Hurry! Hurry!*

Cut out your ballot now and send in your choice! All female workers at LMAL, married or single, are eligible, but no votes received after Wednesday, May 31, at noon will be counted.

My choice for Miss LMAL is:

\_\_\_\_\_

(signed) \_\_\_\_\_

(section) \_\_\_\_\_

### State Income Tax Returns Due June 1

Every unmarried person and every married person not living with husband or wife, who had a gross income of more than \$1000 in 1943, and every married person living with husband or wife and every widow or widower with dependent minor child or children, who had a gross income of more than \$2000 in 1943, must file a state income tax return on or before June 1, 1944. This return must be filed with the commissioner of the revenue for the county or city in which the person filing resides.

If, on the other hand, husband and wife, who are living together and both working, elect to file separate returns, each must file a return if his or her gross income amounted to \$1000 or more for the taxable year; otherwise, a joint return must be filed if their combined gross income was more than \$2000.

A resident of this State is taxable on his entire income for 1943 regardless of where earned. A person domiciled in Virginia on December 31, 1943 or a person who made his home in Virginia for more than 6 months of 1943 is considered a resident for purposes of taxation. A person who left Virginia on or before December 31, 1943 with the intention of abiding without the state permanently or a non-resident of the State is taxable only upon income received from labor or business performed or from property located in Virginia.

### DRIVE UNDER WAY FIFTH WAR LOAN

The Fifth War Loan Drive, which will begin officially on June 12 and continue through July 8, will be conducted under the able directorship of Starr Truscott, Chief of the Hydrodynamics Division. Three other persons will be selected to serve on the committee and supervise activities in the West Area and Administration and Full-Scale areas. These three will, in turn, appoint collectors in the individual sections; the names of all persons aiding in the solicitation of war bonds will be announced before the end of the month.

The quota for the Fifth War Loan Drive is 40 percent of the April payroll. All subscriptions by allotment from June 1 to July 31 can be credited. If a person is already subscribing 15 percent monthly, he can do his share toward meeting the quota by making extra cash purchases equivalent to 5 percent of his June and July salary.

The drive will be carried out on much the same basis as heretofore, and it is hoped that it will meet with the same success.

### SOFTBALL SCORES:

AWT 2, FRD 1  
Struc. 23, ALD 2  
FST 8, 19' PF 1  
E. Shops 13, Low Turb. 2  
8' HST 9, Sta. 1  
Tank 9, Eng. Sec. 8  
PRT 6, IRL 3



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor . . . . . Ruth E. Angel  
Associate Editor . . . . . Audrey Campbell  
Reporters . . . . . LMAL Employees

### Hear Us, Please

Since the Bulletin has been in the charge of the new staff, many interested readers have called offering suggestions. The editors want to extend their appreciation for all helpful criticisms and to clarify the policy consequently assumed.

Each news item, sports round-up, feature story, and activities article printed weekly are not of interest to every reader. Some of you would prefer longer and more detailed sports news; others would enjoy more items in "Life at the Laboratory"; still others want more cartoons and feature stories; and more would like only news items. In order to please the majority, the paper has contained as much variety as possible in order that no group of interests would be neglected.

Much material has been turned into us which has not been printed for several reasons. The Bulletin, being a small undertaking, cannot grow larger unless the regular staff is increased. There is consequently only a limited amount of space available for each article, and some items printed have had to be cut. The editors have tried and will try to include the most important material so that the purpose of an article will not be destroyed or its meaning confused.

Some articles cannot be included because a policy of the Bulletin is not to offend any one or group of its readers; consequently, all material for publication has been selected very carefully.

We are sincere in our appreciation for helpful comments offered. To be extremely trite, we do aim to please, but, fellows, we just gotta have your patience and thoughtfulness in order for our aim to be realized.

## Chemical Analysis Of A Woman

From "Kentucky Colonel"

SYMBOL: *WOW*

OCCURRENCE: *Found wherever man exists...seldom in a free state.*

ACCEPTED ATOMIC WEIGHT: *120.*

PHYSICAL PROPERTIES: *Boils at nothing, freezes at any minute, melts when properly treated, very bitter if not well used*

CHEMICAL PROPERTIES: *Very active; possesses great affinity for gold, silver, platinum, and precious stones...Violent reaction when left alone...Able to absorb great amounts of expensive foods...Turns green when placed beside a better looking specimen...Ages rapidly*

USES: *Highly ornamental...Useful as a tonic on acceleration of low spirits - etc...Equalizes the distribution of wealth...Is probably the most powerful income reducing agent known*

CAUTION: *Highly explosive when in inexperienced hands.*

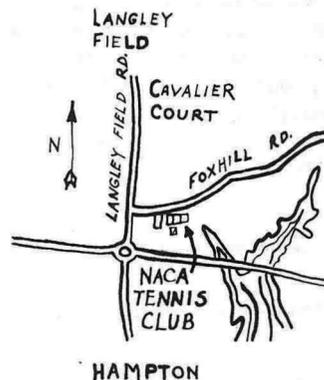
## TENNIS NEWS

The NACA Tennis Club will inaugurate its 1944 season tomorrow. Everyone interested in tennis is invited to come out to the courts to play and to discuss plans for the coming season. The courts are located on Foxhill road a short distance from Langley Field road, as shown on the accompanying map.

Membership in the club will be FREE this year to all NACA employees. In the past, members have paid dues to approximately \$6.00 a year. The club was extremely active several years ago when the NACA was a much smaller organization than it is at present. It is thought that many newer employees are unfamiliar with the facilities offered by the tennis club. For this reason, everyone is invited to participate this season and no dues will be charged.

The facilities of the club include six clay courts, only three of which have been in use in recent years. The clay surface is much easier on hard-to-get tennis shoes than asphalt courts located in Hampton and Newport News playgrounds. The clubhouse provides showers and lockers. Badminton equipment is available for those interested in that game. A supply of tennis balls is on hand.

In the past, tournaments and other activities have been held, both among club members and with other tennis organizations in the vicinity. Plans for such activities will be discussed tomorrow.





# SPORTS



## Girls' Softball

Flight Research-Tank defeated PRT by a small margin of 21-19 on Tuesday, May 23, at the Shellbank Field. Harriet Bender and Eleanor Johnson pitched for the winners, and Doris Topping for the losers. Ed Howe, Personnel, umpired the game. Highlight of the game was Cynthia Lowe's home run for the Flight Research-Tank team.

On Monday, May 22, Personnel, co-captained by Nancy Shelton and Frances Arun, was beaten by Aircraft Loads by a score of 13-3. Jerry Couch not only pitched for Loads but made the only home run in the entire game. Frances Arun and Frances Leigh alternated as pitchers for Personnel. Dale Burrows, Cowling and Cooling, umped with the rather unwanted assistance of Paul Taylor, who acted as star coach for Personnel. Nancy Shelton is still wearing several black and blue bruises acquired during the game.

An almost tied game was held Thursday, May 18, between Structures and AWT with AWT edging out a victory by a score of 17-16. Nellie Jarriett and Sybil Bateman, now almost recovered from a rather serious hand injury received in the first game of the season, alternated as pitchers for Structures, and Margaret Farmer was pitcher for AWT. Carl Rossman, Structures, was base coach, and Abe Cohen, PRT, was umpire.

The game scheduled for Wednesday, May 17, between PRT and 16-Foot has been postponed until Wednesday, May 31.

**LOST:** On the road to West gate a motorcycle crank and pedal. If found call Jerry Hieser at 286.

**FOR SALE:** A Pierce Chronograph wrist watch. Price \$30. Contact C. D. Kolbe at 213.

★ ★ ★

*He*—"One night when you were away I heard a burglar. You should have seen me going down-stairs three steps at a time."

*Wife*—"Where was he—on the roof?"

In a very close contest played Sunday, May 21, AWT nosed out Flight Research by a one run margin with a score of 2-1. Both Jim Sciven of AWT and Fred Daum of FRD were in excellent form, allowing only two and three hits, respectively. The defeat knocked FRD from the ranks of the undefeated teams, and, as a result, AWT remains undefeated.

East Area Shops also bettered themselves in the win column by trouncing Low Turbulence 13-2. Dale Burrows, pitcher for the winning team, gave up only six hits and Carl Cecil, 13. Both teams played erratically.

Structures went on a scoring spree to overwhelm Aircraft Loads 23-2. Sixteen safe hits were garnered off the slants of Bill Aiken, including Johnny Neff's long home run with two men on base. Si Diskin, pitcher for Structures, was in fine fettle, striking out nine men during the 7-inning match.

Full Scale hopped on 19-Foot Pressure Tunnel and trounced them with a score of 8-1. Roy Lange pitched steady ball for the victors. By virtue of the win, Full Scale Tunnel remains undefeated while 19-Foot now has one defeat against them.

Other games saw 8-Foot High Speed beat Stability 9-1, Tank defeat Engineering Section by the very close score of 9-8, and PRT finally win a game by outplaying Instrument Research 6-3.

AWT and Structures are now tied for first place with three wins and no losses, while Full Scale and East Area Shop are tied for third with a perfect record of two wins and no losses.

Next week brings AWT and 8-Foot High Speed together in an evenly matched contest. Other games scheduled include: Full Scale versus Low Turbulence, Stability versus Structures, Engineering versus Instrument Research, 19-Foot Pressure Tunnel versus Tank, Flight Research versus PRT, and East Area Shop versus Aircraft Loads.

### Softball Standings:

Pos.	Team	Won	Lost	Pct.	G.B.
1	AWT (6)	3	0	1.000	-
1	Structures (8)	3	0	1.000	-
3	Full Scale (3)	2	0	1.000	1/2
3	E. Area Shops (12)	2	0	1.000	1/2
5	8' High Speed (4)	2	1	.667	1
5	Tank (5)	2	1	.667	1
5	Flight Research (13)	2	1	.667	1
5	19' PT (14)	2	1	.667	1
9	Low Turbulence (7)	1	2	.333	2
9	PRT (10)	1	2	.333	2
11	Engineering (1)	0	3	.000	3
11	Stability (2)	0	3	.000	3
11	IRL (9)	0	3	.000	3
11	ALD (11)	0	3	.000	3

## DR. J. B. BELK TO SPEAK AT USO MAY 29-JUNE 1-

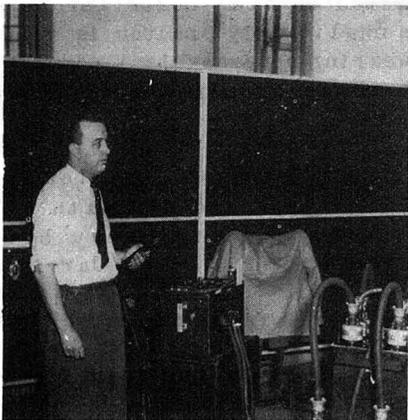
Beginning Monday, May 29, through Thursday, June 1, Dr. J. Blanton Belk will hold a series of special lectures at the Hampton Industrial USO located at 108 North King Street. On Monday, May 28, Dr. Belk will lecture on "The

War of Ideals"; on Tuesday, May 30, "The Battle of Industrial Teamwork"; on Wednesday, May 31, "The Place of God In American History"; and on Thursday, June 1, "Christ and the Post War World." The lectures will begin at 8 p.m.

## BADGES ISSUED TO INSTRUCTORS

White badges with the word "Instructor" in black letters have been issued to each part-time shop instructor working under the War Training Program. The purpose of the badges is to provide an easy means of identifying shop instructors to new trainees and to keep trainees informed of the hours during which they are assigned wholly to instruction. The instructors will wear these badges only during the hours they are formally instructing in the shops. They will not be worn at any other time, nor will they take the place of the regular NACA badge.

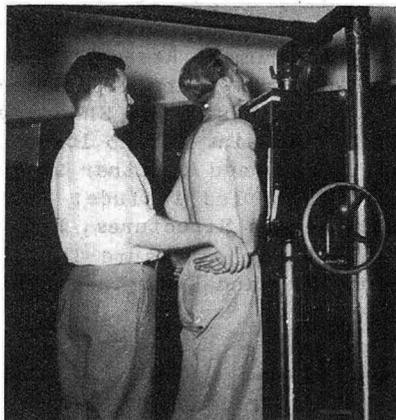
A list of the present part-time instructors and the shop in which they are now instructing is as follows: Joseph Shematek and Harry A. Parritt,



Shown above are pictures taken during the chest X-ray survey. Approximately 1300 persons were X-rayed,

West Sheetmetal; J. Elvin Freeman, Carl R. Hiter, and Lionel R. Fisher, West Machine; Raymond Hulcher, Frank K. Gough, Archie W. Fairfield, Lester E. Willey, and W. Lester Reynolds, Instrument Service; Arthur K. Grow, Ernest Luke, Otto Trout, and Verner D. Howell, East Machine; Benjamin F. King and Charles J. Yates, West Model; Philip C. Allen and Bernard F. Curran, Dynamic Model; Donald J. Findley, East Model; Francis S. Driesbach, Instrument Research; Floyd S. Rogers, Jr. and Charles W. Cardwell, East Sheetmetal; and Wilson Hogg, West Machine.

These employees serve as shop instructors three hours a day on alternate days, making a total of nine hours per week for each instructor.



and employees will receive individual reports in about three weeks, or so.

## USO NEWS

This week's program at the Hampton Industrial USO will begin on Sunday, May 28, with open house. The bridge club will meet at 8 p.m. on Monday, May 29. On Tuesday, May 30, the model boat club will meet. The Wednesday, May 31, calendar will be featured by a meeting of the new Dramatic Club, the USO Mimes. A movie will be shown at 8:30 p.m. on Thursday.

*Caller*—"Good morning, Mrs. Smith. I'm from the gas company. I understand there is something in the house that won't work?"

*Mrs. Smith*—"Yes, he's upstairs."

*Indignant Wife* (to incoming husband)—"John, what does the clock say?"

*Husband*—"It shays 'tick-tock' and little doggies shay 'bow-wow' and cows shay 'moo-moo' and tiny kittens shay 'meow-meow' and big fat piggies shay 'oink-oink'."

*Bewildered Prof.* (on looking into hairbrush)—"Guess I need a shave."

"What sort of toothbrush do you want?"

"Lemme have a big one—there's thirty fellows in our fraternity."

*Father* (to youngster just put to bed): "Now what are you crying for?"

*Son*: "I wanna drink."

*Father*: "So do I. Go to sleep."

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## GAS MODEL MEET MAY 28

The Brain Busters gas powered model meet will be held Sunday, May 28, from 1 to 5 p.m. at the La Salle Avenue flying field, located one block south of the La Salle Avenue-Shell Road intersection. The entrance fee will be 75 cents for all persons over 16, and 25 cents for all under 16.

The only rule which will be in effect is the 10-second engine run. There will be no class distinction, and awards will go to the three highest averages. The contestant with the highest three flight average will receive the Reiser perpetual trophy and 50 percent of the entrance fee. Second and third place winners will receive 30 percent and 20 percent, respectively, of the entry receipts.

Any persons wishing to be time keeper, especially those with stop watches, are asked to contact Dick Everett, Dynamic Tunnels Operations Shop. Everett is acting as contest director.

All members of the Laboratory staff are invited to attend this meet as contestant or spectator. No admission will be charged. The club does request, however, that all spectators refrain from crowding around the models, as they are easily damaged if improperly handled. Models often travel as fast as 60 miles per hour when taking off, and persons in the take-off area may possibly be injured by a ship out of control.

Competition promises to be keen, especially since George Gentry is planning to fly a zipper with a hopped-up super cyclone which climbs like a skyrocket.

The next meeting of the Brain Busters will be held on Sunday, May 28, at 8:30 p.m. at the Hampton Industrial USO.

FOUND: A birthstone ring in the Stenographic Section. Owner may contact the Bulletin Office at 376.

# LIFE AT THE LABORATORY

**WEDDING BELLS:** Two nerve-wrecked red heads, Mary Noble Angel, Engineering Section, and Charles Bennett, Free Flight Tunnel, were married Sunday, May 21, at St. John's Episcopal Church, Hampton. Herman Ankenbruck, Free Flight Tunnel, was bestman; Ruth Angel, Bulletin Office, maid-of-honor, Mary Lou Mackie, Editorial Office, bridesmaid; Bunny Klawans, Flight Research, Jack Paulson and Bernard Maggin, Free Flight Tunnel, ushers. Everyone is wondering how Bunny and Nancy Wall, who took the bride and groom to Richmond, felt riding back in a car decorated for newly weds....Ruth Zwicker, Cowling and Cooling, was married Tuesday, May 16, in Louisville, Kentucky, to Captain William Samolin of New York.

**PARTIES:** Low Turbulence and Fluid and Gas Dynamic Analysis had a picnic at Grand View Sunday, May 21. The outstanding feature was a keg of beer and softball....AWT and Stability Tunnel had a buffet supper at the home of Art Wallace on Sunday afternoon, May 21. While playing badminton, Lib Garner was hit by a fly ball from one of the AWT's heavy hitters. The knockout was reported to have been more successful and graceful than those in the movies of 20 years ago....PRT is planning a big picnic at Oak Point Lodge on Sunday, May 28. Plans for the day are being kept quiet....Betty Ludwig, FRD, Evelyn Renfro, Engineering Section, and Ann Burton, Stability Analysis, had a stag breakfast for Chuck Bennett before the wedding on Sunday, May 21. The stags were Herman Ankenbruck, Jack Paulson, Bunny Klawans, Bernie Maggin, Charlie Liddell, Chet Furlong, Sig Sjoberg, and Bob Weinberger....Flight Research had a picnic at Grand View Saturday, May 20. Despite the gales of wind, some brave souls ventured into the ice-filled water while others lounged on the beach....The Editorial Office and guests had a picnic at the home of Viola Ohler on Tuesday, May 16. Badminton was played and gobs of food were consumed....Stenographic Section had a picnic at Grand View Sunday, May 21....Tiny Hutton had a party at his home on Sunday, May 21. In the midst of the softball game, Melvin Butler was hit on the head but no ill effects - thanks to a hard head....Audrey Campbell, Bulletin Office, was entertained at a crystal shower Thursday night, May 18, by her landlady, Alma Martin.

**VACATION RHAPSODY:** Coleman Donaldson, FGDA, spent the week-end at Virginia Beach...Manny Boxer, PRT, is celebrating his wedding anniversary in New York....Jack Erwin, FGDA, has returned from a fling in New York....Ed Rickey, Full-Scale Tunnel, is spending two weeks in Bridgeport, Conn....Mary Frances McDonald, Full-Scale, is spending a vacation with her brother who is back from overseas...Ed Palazzo, 8-Foot, is back after attending

the wedding of his brother at his home in Rhode Island...Elizabeth Polston, Free Flight, is visiting her home in Henderson, N.C....Jack Lichtenstein, Spin Tunnel, has returned after a trip to New York....Connie Mynatt, ALD, is back from her home in Knoxville, Tenn....Don Reisert, ALD, is visiting his home in East Greenwich, R. I....Bob Russell and Larry Fogarty, 19' Pressure Tunnel, have returned from Washington.

**HERE AND THERE:** Fredia Bloch, Editorial Office, and her husband are visiting his home in New York....Rebecca Gibson and Honey Solomon, Cost Office, are back from New York....Phyllis Gisman, Construction, and husband are spending his furlough at their home in Cincinnati....David Wasserman, W. Sheetmetal, is back after a vacation in New York....Jack Kinsler and Paul Salake, W. Machine Shop, are visiting their homes in Pittsburgh....Ernest Barbee, Impact Basin, attended a wedding in Baltimore over the week-end....Clinton Brown, Supersonic Tunnel, has returned from a most enjoyable two days in New York....H.L. Chaffins, Supersonic Tunnel, has returned after a two-week's vacation at his home in southwest Virginia....Edward Jarrett, Impact Basin, spent the week-end at his home in Roanoke....Sally Mills, AWT, spent the week-end with her Army husband in Philadelphia....Louise Paul, AWT, spent the week-end sight-seeing in Washington and Baltimore.

**ILL WINDS:** Jim Delano, 8-Foot, is back at the Lab after a week's illness....Elroy "Birds' Eye" Beeher, ALD, is back in the Marine Hospital undergoing treatment for his broken ankle....Isabelle Martin, ALD, is convalescing from an appendectomy....Jean Gary, PRD, is back after a two-week's illness.

**ENGAGED:** Maggie Bullock, AWT, is engaged to Bruce Jollie of Mullins, S. C. The date for the wedding has not been announced.

**CHAT CHAT:** Edna Mason, Tank, recently received a medal for gallantry shown beyond the call of duty. She rescued Nellie Atkins who fell in the Tank and also Jessie Harless, who, in the midst of all the confusion, forgot that she couldn't swim and attempted to rescue Nellie. Only one question arises, "Where were the men?"....Two more boys have joined the walk on the Boulevard of Broken Drums, which is an exclusive Pressure Tunnel Avenue....Jimmy Lindell, Erection Shop, and Bunny Klawans, FRD, left Friday, May 26, for Annapolis to attempt to sail Jimmy's boat back to Hampton. Here's hoping they have smooth sailing....The Electrical Shop organized a new club, the Magnetic Circle, last Thursday night, May 18, at a meeting held at the Langley Hotel. Officers are: President, M. Menges; vice president, R. K. Cole; Recording Secretary, Sara Kay; Secretary and Treasurer, C. T. Waters.

# Service Notes...

Lt. Comdr. C. J. Wenzinger, USNR, who is now on duty at Taylor Model Basin, Washington, D. C., recently wrote asking to be remembered to all his friends at the Lab whom he misses very much and would enjoy hearing from them. About his present work he writes: "As for myself, I am still located at the Taylor Model Basin, and doing aeronautical experimental work of all types. It might be of interest to my friends there to know that I have recently received promotion to Lieut. Comdr. and have also been appointed Head of the Aeromechanics Division at the Model Basin. We are gradually building up and training a crew here to operate our new equipment, and have a large backlog of experimental work on hand. Most of our work deals with problems of immediate application to the war - in the air, on the sea, and below the sea. Never a dull moment!"

Pfc. John S. Harrington, who has recently arrived in New Guinea, writes a rather detailed account of his life there. Among the many interesting items that he described are the following: "Life here in New Guinea is much more

pleasant than I anticipated it to be. The climate is similar to that of the Peninsula although it isn't quite as 'sticky'...Entertainment, yes. Every Wednesday, Friday, and Sunday evenings we enjoy movies such as 'In Old Oklahoma', 'Smith of Minnesota', and 'Higher and Higher' starring Frank Sinatra. The Flight Surgeon said he'd give a Section Eight C.D.D. (discharge) if any one swooned. We all swooned as hard as we could but no discharge!..Bathing facilities are excellent as a two spray shower has been constructed in an adjacent lot. A recent cloudburst ruined the fresh water supply cutting off the showers. We drew water in our steel helmets and bathed. I didn't know I could get so clean with so little water!... Although I can't tell what type of ships we fly, I can say I'm an airplane mechanic working 'on the line' of the Twentieth Combat Mapping Squadron, Fifth Air Force, commanded by Lieutenant General George C. Kennedy." John's address is: Pfc. John S. Harrington, ASN: 15362898, 20th Combat Mapping Squadron, APO 713 Unit 1, c/o R.M., San Francisco, California.

## UNJAM TRAFFIC

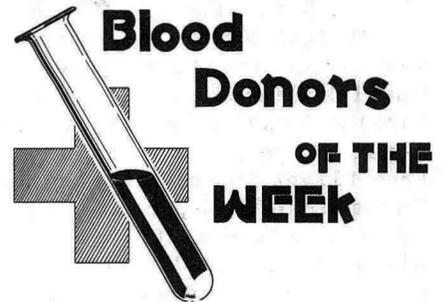
Every afternoon at 4:45 people are rushing about madly to collect passengers in their riding combinations in order to be off the field as early as possible. In the process, many cars driving on to Dodd Boulevard from side streets are held up several minutes by a continuous and unbreakable line of traffic. Hence, this plea to the Main Liners to show a little consideration for others by letting them into the line of traffic and thus not holding them up any longer than absolutely necessary.

## TOURS OF LAB TO BE CONDUCTED

During the past few weeks, orientation programs have been held for new employees. Plans are now being considered to give the old employees an opportunity to tour the Laboratory and visit the sections in which activities of particular interest are being carried on.

Tours will be conducted on Monday, Wednesday, and Friday of next week from 10 a.m. to

12 noon. All persons interested in visiting some sections of the Laboratory are asked to contact Tiny Hutton, Personnel Services, stating which sections they would like to visit and which day would be most convenient for the tour. Although it may not be possible to visit all of the sections, an attempt will be made to visit as many as possible.



Ilando S. Capolino and Aberdeen Stewart, Engineering Section, to emergency case at Dixie Hospital, May 12.

James C. Sinclair and Robert Sinclair, E. Model Shop, to wife of NACA employee at Buxton Hospital, May 14.

Clarence Brown, E. Sheetmetal, and Donald Brimly, PRD, to emergency case at Dixie Hospital, May 16.

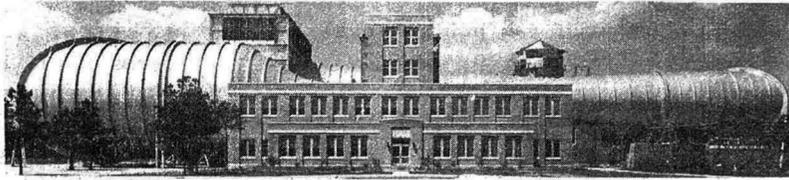
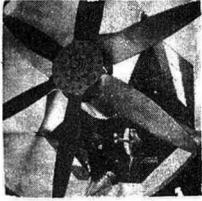
*Little Barbara*—"Mother, are you the nearest relative I've got?"  
*Her Mother*—"Yes, dear, and your father is the closest."

## Recent Visitors

Lt. Jimmy Odair, formerly of the Dynamic Model Shop, who was reported missing in the Aleutians a few months ago, was a recent visitor at the Lab... John Law, formerly of the Dynamic Model Shop but at present of the U.S. Navy, visited the Lab recently... Robert Minnis and Wilton Pollard, formerly of the West Machine Shop, have just completed boot training and visited the Lab last week... Pfc. Charles Webster recently visited his mother, Thelma Webster of Duplicating. It was his first visit home in 18 months.



# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 24, Vol. 3

Langley Field, Virginia, June 3-9, 1944

Page 1

### AMES LABORATORY TO BE DEDICATED JUNE 8

Ames Aeronautical Laboratory at Moffett Field, California will be dedicated on June 8, 1944 in the Administration Building of the Laboratory in honor of Dr. Joseph Sweetman Ames, who served the NACA as chairman of the main Committee from 1927 until he retired in 1939. Representatives who will participate in the Executive Conference on Research Policy will arrive at the Administration Building at Ames at 9 a.m., will start on an inspection tour of the Laboratory at 9:30 a.m., and will attend the dedication exercises at 11 a.m. At 1:30 the group will inspect the 40-by 80-foot Wind Tunnel; and from 2:30 until 5:30 p.m. the executive conference with industry leaders will be held.

Dr. J. C. Hunsaker will open the program with a talk on the scope of NACA research. Dr. T. P. Wright will speak on foreign research efforts; and Dr. G. W. Lewis, on the dependence of design on research. A discussion of the required objectives of the future research effort by the NACA will follow, under the following topics and discussion leaders: Aerodynamics, Dr. T. P. Wright, Power Plants, William Littlewood; Aircraft Construction, Dr. L. J. Briggs; Operating Problems, Dr. F. W. Reichelderfer. The conference will end with an open discussion on the relation between research and development and on the means of insuring continuous contact

between the NACA and the industrial companies.

Among the representatives who will attend the conference are the following invited guests: J. L. Atwood and J. H. Kindelberger, North American Aviation, Inc.; W. E. Beall and P. G. Johnson, Boeing Aircraft Co.; Captain Rico Botto, Commanding Officer of Naval Air Station at San Diego; LaMotte T. Cohu and John K. Northrop, Northrop Aircraft, Inc.; Donald W. Douglas and A. E. Raymond, Douglas Aircraft Co.; Robert F. Gross and Mac Short, Lockheed Aircraft Corp.; I. M. Iaddon and Harry Woodhead, Consolidated Vultee Aircraft Corp.

Dr. W. F. Durand, who will be chairman of the dedication program, received a letter from General H. H. Arnold, Commanding General of the Army Air Forces, in which he acclaimed Dr. Ames by the following statements: "In the midst of the present great war, in which aviation is so vital to success, I am glad to pause and acknowledge publicly the

indebtedness of American aviation to Dr. Ames for his vision in anticipating the research needs of aviation and for his success in providing novel research facilities to meet those needs. Those who would recognize fully the significance of the impact of aviation upon our civilization, for purposes both of national security and of peaceful trade, will in time acclaim Dr. Ames the great architect of aeronautical science." General Arnold also appraised the NACA as a "scientific research organization that is largely responsible for the present technical excellence of America's aircraft."

Dr. Durand also received a letter from Admiral Ernest J. King, Commander-in-Chief of the U. S. Fleet, who wrote the following about the contributions of Dr. Ames: "With prophetic vision of the increasingly vital significance of superior aircraft to the national defense, he championed in 1938 the need for expansion of research facilities, and urged approval by the Congress of the construction of the aeronautical research establishment that is so appropriate to bear his name. I am proud to express the gratitude of the United States Navy for the many NACA contributions of immeasurable value to the nation, which were made possible by the organizing genius and leadership of Dr. Ames."

#### SOFTBALL SCORES:

##### Boys

AWT 2, Stab. 1  
FST 8, Tank 1  
Eng. Sec. 7, Low Turb. 4  
19' PT 8, 8' HST 6  
Struc 6, FRD 3  
PRT 14, ALD 11  
E. A. Shop 7, IRL 1

##### Girls

ALD 14, AWT 11  
Struc. 13, Personnel 7



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor. . . . . Ruth E. Angel  
Associate Editor. . . . . Audrey Campbell  
Reporters . . . . . LMAL Employees

*Kits Cartons Being Filled For Russian War Relief*

Twenty kit cartons, filled by members of Stability Analysis and Fluid and Gas Dynamics Analysis to aid the Russian War Relief, are now ready for shipment. These cartons, which will be sent to destitute Russian families who are returning to recaptured territory and are reestablishing homes destroyed by the Nazis, are intended to help fulfill a necessary need as well as to show a feeling of good will and sympathy.

Groups from Full-Scale Tunnel, Supersonic Tunnel, and Propeller-Research Tunnel, as well as individuals from Structures, Physical Research, Aircraft Loads, and Stability Analysis, have already requested cartons, which they wish to fill and prepare for shipment. Any other persons or group of persons interested may contact Doris Cohen, Stability Analysis, or Diane Turk, Fluid and Gas Dynamics, for further information.

A second order for cartons will soon be sent; therefore, persons desiring to aid the Russian War Relief should make their requests as soon as possible. The two representatives are prepared to help with items that may be difficult to obtain and to collect the filled kit cartons for shipment.

**DR. LEWIS HONORED IN CHICAGO**

*From U. S. Air Services*

Dr. George W. Lewis, director of research, National Advisory Committee for Aeronautics, received on February 21, at Chicago, the honorary degree of Doctor of Engineering, from the Illinois Institute of Technology.

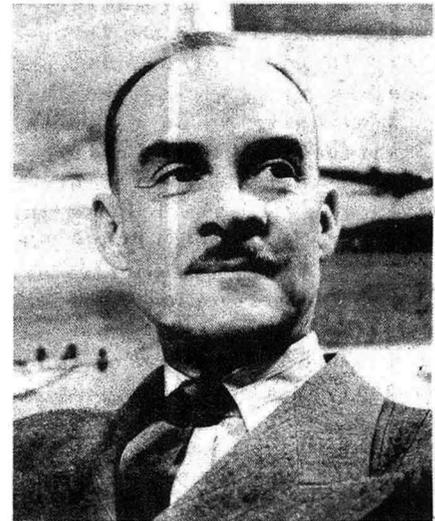
For 25 years Doctor Lewis has held this important position with NACA. When honorary degrees are given for such achievements as influencing the Bureau of the Budget to appropriate, increasingly each year, monies to carry on the necessary expansion in the research work of NACA, Doctor Lewis will be entitled to receive one of the best of the new crop of citations. It should reflect the patience shown by him, combined with knowledge of his subject, when talking to bookkeepers of the Bureau of the Budget about

more and better wind tunnels. Wind tunnels to be built next year, and in the year thereafter, and in the year after that.

It is not always possible, even for a Doctor of Engineering, to know one, two and three years in advance exactly what the aeronautical research department of the Government should re-search. But one thing is sure: Without the money-tons of money-there ain't going to be no research. In putting across that expensive and expansive program each year, the ability of the NACA experts appearing before the Bureau of the Budget is shown at its best. A new honorary degree should be evolved out of all this scientific effort, to be known as Doctor of the Science of Anticipatory Budgeting.

**BOEING NAMES TUNNEL FOR EDMUND T. ALLEN**

The world of tomorrow is destined to be measured in terms of flight, to be strongly influenced by airplanes geographically, economically, and politically. As a vital, fundamental part of this program, Boeing engineers have designed and built the new Edmund T. Allen Memorial Aeronautical Laboratories in Seattle, so named to honor Edmund Turney Allen who was director of flight and aerodynamics for Boeing Aircraft Corporation until his death in 1943.



While still a First Lieutenant in the Army Air Force, Lt. Allen became the first experimental test pilot of the NACA. Because, at that time, the NACA had no civilian pilot, E. P. Warner, Chief Physicist, and H. F. Norton, Assistant Physicist, arranged for Allen to make the necessary test flights.

After a few year's of service at LMAL, "Eddie" Allen became a test pilot for the U. S. Army Air Corps, an air-mail pilot for the U. S. Post Office, and later a consulting engineer for various aircraft companies.

"Eddie" Allen will be remembered at LMAL not only as the Laboratory's first test pilot but also as one of the truly great scientists of aviation.

## Girls' Softball

Structures Research defeated Personnel by a score of 13-7 Monday, May 29, at the Shellbank diamond. The Frances Leigh to Nancy Shelton battery of Personnel accounted for four strike-outs during the five-inning contest. Sybil Bateman retained a perfect batting average with three hits, one of which was a home-run. Evelyn McCuiston also homed for Structures.

On Tuesday, May 30, Aircraft Loads batted out a victory over AWT in a 14-11 game. Jerry Crouch pitched for Loads and Margaret Farmer and Sarah Whitley for AWT. The game was excitingly close throughout, but Jerry Crouch's home-run gave Loads the final lead.

## TENNIS NEWS

A large turnout of tennis enthusiasts took advantage of the fine weather last week-end and played some exciting games at the NACA Tennis Club. If the present spell of dry weather continues, the courts are expected to be in good shape for this week-end.

A "ladder" system of player standings is maintained so that anyone desiring to play can quickly find opponents of equal ability. The rules governing this contest, which runs continually throughout the season, are as follows: A player may challenge any of the three members directly above him in the standings. If he wins, he advances his name above that of his opponent. Matches not played within a week are considered to be forfeited. In the first five places, a player can challenge only the member directly above him. The list of players is posted on the bulletin board at the clubhouse, and for the start of this season the final standings of last year will continue in effect.

Any NACA employee interested in tennis is invited to make use of the courts. No dues will be charged this season.

## AWT, STRUCTURES LEAD IN LEAGUE

AWT and Stability engaged in a pitchers dual last Monday with Jim Scriven and Dick Everett as the opposing moundsmen. The final score was 2-1 with AWT on top. John McKee, catcher for teh winning team, drove in both runs with a double and a single. Stability's lone run was scored by Henry Rottersman, who drove out a long home run.

During the same afternoon, Full-Scale took an easy game from the Tank by the score of 8-1. At no time was Roy Lange in trouble as he hung up his third victory in a row. Charles Daniels was the losing pitcher.

Two games were played Wednesday evening with 19-Foot Pressure Tunnel defeating 8-Foot High Speed 8-6, and Engineering Section defeating Low Turbulence 7-4.

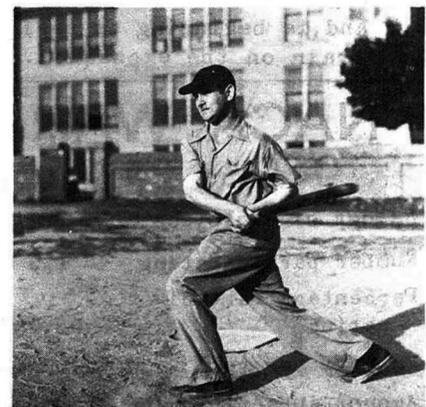
Approximately 125 spectators were on hand Thursday to witness an 8-inning overtime affair between FRD and Structures, with the latter finally emerging on top 6-3. Fred Daum, pitcher for FRD, gave up 10 hits and struck out three men. His triple helped tie up the ball game and send it into an extra-inning. Si Diskin, pitcher for Structures, yielded 5 safeties and struck out five men as he chalked up his third win of the year.

With the score tied at 10-10 at the end of the sixth inning, PRT's eight-man team outplayed AID's nine by scoring four runs in the last inning and winning 14-11. Arthur Assadourian was pitcher for the victors and Bob Boswinkle, also fo PRT, got the longest hit of the day which was good for 4 bases.

East Area Shops defeated IRD 7-1 in a game played Tuesday, May 30. Dale Burrows, pitcher for EAS, was in good form, giving up only 2 hits. Outstanding features of the game were Ira Ramsey's home run and Cliff Links long triple.

### Softball Standings:

Pos.	Team	Won	Lost	Pct.	G.B.
1	AWT (6)	4	0	1.000	-
1	Structures (8)	4	0	1.000	-
3	Full Scale (3)	3	0	1.000	1/2
3	East Area Shops (12)	3	0	1.000	1/2
5	19' Pressure (14)	3	1	.750	1
6	8' High Speed (4)	2	2	.500	2
6	Tank (5)	2	2	.500	2
6	PRT (10)	2	2	.500	2
6	Flight Research (13)	2	2	.500	2
10	Engineering (1)	1	3	.250	3
10	Low Turbulence (7)	1	3	.250	3
12	Instrument Research (9)	0	3	.000	3 1/2
13	Stability (2)	0	4	.000	4
13	Aircraft Loads (11)	0	4	.000	4



In the above pictures taken Wednesday afternoon at the Structures-Stability softball game, Jack Paulson, Stability, and Carl Rossman, Structures, are shown at bat. Photos by D. S. Foster.

# Service Notes...

D. E. Hicks writes from Norman, Oklahoma, "I was selected from a large group of boys to attend the school here for aviation metalsmith. They were very strict on previous experiences and I owe it all to NACA. My schooling here will run about 24 weeks...I have already received cards from some friends in the service who got my address from the Bulletin. Let me say that the Bulletin helps us boys in the service keep track of each other. Give everyone my regards and best wishes...I'll say one more thing. This camp is terrific. Plenty of WAVES and Marinettes. We have four soda stores, much like a tavern. We get dates and go to the store and movies, too, right in the camp. Boy! A wolf's paradise. In our case sea wolves." Hicks' new address is: D. E. Hicks, S 2/c, 9363474, N.A.T.T.C.

John Lockstampfor writes from overseas to thank the LMAL staff for making it possible for him to receive the Bulletin and he says, "Keep up your good work and we will be bound to win...Give my regards to one and all through the Bulletin." John is second engineer on the Army Transport

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**FOR FREE:** Does anyone want a small, coal-black kitten? Bob Jones, Stability Analysis, is feeding five of them these days and is beginning to feel the strain on the exchequer.

International. His address is: U.S.A.T. International, APO 923, c/o Postmaster, San Francisco, Calif.

Lee Lorch writes from Will Rogers Field, Okla. to say that he is getting the LMAL Bulletin and enjoying it very much. Lee's address is: T/5 Lee Lorch, 31311429, 948 Eng. Arn Tops Detachment, Will Rogers Field.

Lee Dickinson, former editor of ye ol' Bulletin, but present member of the U. S. Navy at Camp Peary, writes promising a visit to LMAL within about three weeks.

T. T. Starkey, Jr. writes from overseas to express his appreciation for the copies of the Bulletin. He writes, "We're still out here plugging away at the war and all of us are hoping it will be over soon so we can return to our homes, friends, and jobs. We have a little action once in a while but the censor says wait until you go home to tell your sea stories, so that's that!" Starkey's address is U.S.S. Coral Sea A Division, c/o Fleet P.O., San Francisco.

Marjorie Waters, formerly of Instrument Service, has received orders to report to the Marine Corps June 13.

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Any section wanting a typewriter cleaned may be able to obtain a spare typewriter for the time necessary from Mr. Clyde Lumpkin, who will try to cooperate in all cases, if possible.

## PAYMENT FOR OVERTIME

Many persons who have worked overtime for compensation have been calling the Payroll office inquiring when their checks would be distributed. To eliminate misunderstanding and to explain any seeming delay, the Payroll Office wishes to clarify the method of computation and payment.

The excess overtime payroll is not anticipated like the regular payroll and consequently can not be made up until all time reports of the preceding pay period have come in. When these reports come in, the payroll has to be prepared and then sent to the Disbursing Office in Richmond. The Payroll Office will try to set aside the 1st and 16th of every month for distribution of the overtime pay checks, which will be compensation for the overtime worked during the second preceding pay period.

## Changes in Address

Dr. William A. Aery, Administrative Assistant, announces that all men in the ACER should notify the Selective Service office of any changes in local address; but they need not send their changes of address to either their home boards or the local boards through which they were inducted.

Men who have been rejected at the induction station should notify their home boards promptly, as well as the Selective Service office, of any changes in local address.

## NACA WAR BOND RECORD IN APRIL

	Washington	Langley	Ames	Cleveland	Total
Number of employees	121	2,636	591	1,859	5,207
Number participating	113	2,382	551	1,646	4,692
Percentage Participating	93.39%	90.36%	93.23%	88.55%	90.10%
Monthly pay roll	\$27,264.51	\$539,708.07	\$133,701.94	\$445,005.82	\$1,145,680.34
Amount subscribed	\$3,454.50	\$68,243.47	\$14,257.63	\$42,470.87	\$128,426.47
Percentage subscribed	12.67%	12.64%	10.66%	9.55%	11.20%
Average subscription	\$30.57	28.65%	25.87%	25.81%	27.37%

# LIFE AT THE LABORATORY

**ROMANCES:** Sue Herrin, Cost Office, was married to Wilton F. Born Friday, May 26, in Statesville, N. C....Ray Comenzo, AWT, has returned from a trip to Buffalo, N. Y. where he attended graduation exercises of his girl friend from nursing school....Abe Cohen of PRT is on a week's vacation while his fiancée, Rosalind Quat of N. Y., is visiting here. Arvid Keith, PRT, is now officially engaged to his home-town, Durham gal, Dorothy Brinkley, and the wedding date has been set for September 3....Harold Staras, IRL, was married to Roslyn Rabiner of Brooklyn on Tuesday, May 23.

**PARTIES:** On Sunday, May 28, the 16-Footers had a party at Virginia Beach and the gals ducked all the guys in ocean water....Fiscal Office had a surprise birthday party for Marietta Short on Saturday, May 27, and Payroll Office entertained with a birthday party for Sarah Woods on Friday, May 26....PRT had its party at Oak Point on Sunday, May 28, with badminton, softball, swimming, Walter Bartlett's bathing in beer, and Double-Duty Bob Boswinkle's milking a poor unsuspecting cow, as ample entertainment....Helen Flanagan, Aircraft Loads, and Jean Ellis, Structures, entertained at an open house for Roy Lange, Full-Scale, and Audrey Campbell, Bulletin.

**ILL WINDS:** Helen Carlberg, Reproduction, and Dorothy Kelton, Photo Lab, are at the Dixie Hospital recovering from recent illnesses....Al Kraatz, Project Engineers, is in the Marine Hospital in Norfolk having an arm injury treated....Betty Daniels, Engineering Service, is home recovering from pleurisy....Agnes B. Mark, Impact Basin, is in the hospital at Fort Monroe....Rachael Withers, West Machine Shop, is in the Dixie Hospital undergoing an appendectomy....William Greenman, West Machine Shop, is back at the Lab after a long illness....Doris Turner Haynes, Full Scale, is back after a set-back from measles.

**VACATION RHAPSODIES:** Mary Smith, Construction, and her army husband are spending his furlough visiting their respective homes in Massachusetts and New York....Thelma Stuart, Impact Basin, is visiting her home in Buie's Breek, N. C....Robert Anvil, West Sheetmetal Shop, is visiting his parents in West Virginia....Lucette Biver, Fiscal, has returned with her sister from N. C....Kitty Thomas, Fiscal, is vacationing at her home in Durham, N. C....Lib Garner, AWT, is spending some time with friends in Chattanooga, Tenn., and from there will visit her family in Winston-Salem, N.C... Mildred Outhouse, Structures, and her husband are back from a trip to Eagleville, Mo...Fred and Will Taub, West Machine Shop, have returned from a vacation at their home in Lorraine, Ohio....Ruth Samolin, Cowling and Cooling, is back at the Lab after honeymooning in N. Y....Ruth Yeatts, ICL, is visiting her

home in Abingdon....Ralph Mascater, West Machine Shop, has returned from a boating trip in New Rochelle, N. Y.

**NEW ADDITIONS:** John Doyle, Engineering Section, became the father of a daughter, Josephine Catherine, on Tuesday, May 23... Anton Freihofner, Tank, and wife, Flora, formerly of 16-Foot, announce the birth of their daughter, Linda.

**MISCELLANEOUS:** Leta Church, AWT, attended her brother's wedding in North Wilkesboro, N. C....Eleanor McKinstry, AWT, visited her Alma Mater, Wilson College, in Pa. over the week-end....The Fiscal Office regrets the departure of Laura Denslow, who has returned to her home in Ohio...Charlie Folk, West Machine Shop, and his wife have as their guest for a few days Mrs. Folk's brother, Billie Dotson, U.S.N....Chuch Sandlin and Collis Gill, Structures, went through a rather strange series of events over Sunday and Monday. The sequence is something like this: Bicycles, trip to Grand View, extended excursion to Buckroe, back to Grand View, bed for two days.

**HERE AND THERE:** Recent trips to Baltimore were made by H. Jerome Shafer, IRL; Ann Freeman, 8-Foot; Dorothy Brokaw, Bonds, and her husband; Milly Owen, Full Scale....Washington had the following visitors: Eleanor Jacob, 8-Foot; Fred Rice and Jim O'Connor, TDT; Evan H. Schuette, Structures, and wife....Stan Racise, TDT, is visiting in Buffalo, N. Y.... Elmo Mottard, Tank, is vacationing at her home in Wisconsin...Emily Tutka, West Machine Shop, is back from a trip to Pittsburgh... Katherine Pyle, Maintenance, is visiting her home in Bristol, Tenn....Margaret Thumlee, East Area Computers, is at her home in Celina, Tenn....Barton Geer, Apprentice Administration, has gone to Iowa for a vacation....Mary Lou Wimbish, Tank, is back after a trip home to Greensboro, N.C....Betty Ludwig, FRD, is visiting her home in Tennessee, and Ann Burton, Stability Analysis, her home in Norton...

John Hageman, Eng is vacationing in Michigan Jeanne Dodson, Fiscal Office, and her husband are vacationing in Missouri....Norris Dowe, Structures, is relaxing at his home in Mass.. Eugene E. Lundquist, Structures, has returned to the Lab after a trip home to Nebraska.

**FAREWELL TO LARRY:** Sally Bourne, Structures, Connie Hobbs, 19-Foot, and Mary Morehess, 8-Foot, were hostesses at a cocktail party Sunday, May 28, for Larry Fogarty, 19-Foot, who is leaving soon to become "one of our boys in the service." Another guest of honor was the reknowned Old Mr. Boston... Jerry Teplitz, Owen Deters, and Ralph Avakian, 19-Foot, entertained for Larry at a rather informal party Saturday night, May 27, at their country estate at Sussex, Hampton. Old Mr. Boston was again present to lend to the informal atmosphere.

# LAB TO PICK 16 FROM 69 GIRLS

Over 800 Laboratory employees cast ballots for Miss LMAL, and 69 girls were nominated. The names of these girls and the sections in which they work are included in the ballot below. Each voter is asked to place a check mark beside the names of the 16 girls he prefers. Each ballot must contain exactly 16 checks or it will not be counted. Naturally, each voter can vote only once for one girl, and no new names can be added to list.

Please print names and sections very clearly as a careful check will be made of each voter. Your cooperation is sought in order that the counting may be done, and consequently the results disclosed, as quickly as possible. Mr. C. A. Hulcher, Chief of Training Division, will supervise the counting of votes.

In order that the names of the 16 winners may be published in next week's Bulletin, the deadline for receiving votes will be Tuesday, June 6, at noon. Several ballots were turned in too late to be counted in last week's voting; therefore, be sure to observe this week's deadline.

It is hoped that pictures of the 16 girls can be obtained and published in the Bulletin for the week of June 10-17; however, it may not be possible to print pictures until the following week's issue.

The name of the person who will select the winners from pictures of the 16 girls will be announced as soon as possible.

✓ Jean Allen, Files	Bessie McDonald, FRM & R
✓ Ruth Angel, Bulletin	Viva Michels, P. Crane's Off.
✓ Frances Arnn, Personnel	✓ Ruth Miller, Editorial
✓ Emily Mae Bagnall, Purchase	Frances Moore, Tank
✓ Katie Banick, Leave Clerk	✓ Evelyn Morris, App. Adm.
✓ Billie Bentley, Prop Shop	✓ Louise Neal, Leave
✓ Betty Bohannon, Library	Gloria Nestor, Reproduction
✓ Audrey Campbell, Bulletin	Janie Parrish, W. ShM. Shop
✓ Marjorie Chisholm, AFR	✓ Doris Payne, Purchase
✓ Dickie Creech, Messenger	Frances Powell, W. Mach. Shop
✓ Marjorie Davis, W. ShM. Shop	✓ Maggie Reed, App. Adm.
✓ Kay DeSander, Files	Evelyn Renfro, Engineering
✓ Millie Devine, 8-Foot	Kathleen Rexrode, Prop Shop
✓ Viola Edwards, App. Adm.	✓ Marijean Saunders, Receptionist
✓ Lib Garner, AWT	✓ Elizabeth H. Scott, Adm.
✓ Mary Grissom, Sta. Anal.	✓ Marietta Short, Cost Office
✓ Ruby Groseclose, Photo Lab.	Edith Slayton, IRL
✓ Stella Habura, W. ShM. Shop	Ann Smith, Loads
✓ Helen Hanks, C. Purchase	✓ Letitia Smith, Duplicating
✓ Lillian Hanna, 24-Inch	✓ Mary M. Soper, Cost Office
✓ Madeline Harrison, Files	Louise Spires, AWT
✓ Doris Higgins, Personnel	Naomi Stroup, W. ShM. Shop
✓ Anne Ingle, Engineering	Wilhelmina Strowd, Eng.
✓ Eloise Jenkins, Employment	✓ Virginia Sutton, Receptionist
✓ Dorothy Johnson, App. Adm.	Beatrice Thomasson, Spin Tunnel
✓ Kitty Joyner, Electrical	Peggy Urrutia, Stocks
✓ Rosa Keese, Leave Clerk	Nancy Wall, 16-Foot
✓ Doris King, Reproduction	Marie Wanlitner, W. ShM. Shop
✓ Nancy King, Stocks	Kay Wasson, E. Mach. Shop
✓ Dorothy Landon, Tank	Janice White, Tank
✓ Mary Latshaw, Personnel	Kitty White, Dyn. M. Shop
✓ Marilyn Lawlor, Payroll	Alice Whitley, 8-Foot
✓ Frances Leigh, Files	Sarah Whitley, AWT
✓ Mary Loy Mackie, Editorial	Signed
✓ Ruth Malvestudo, AWT	Section
✓ Nancy McCarthy, Messenger	

# C. A. P. NEWS

Since the article concerning the activities of the Civil Air Patrol appeared in a recent issue of the Bulletin, numerous Laboratory employees have shown desire to obtain further information. In an effort to furnish this information, the following partial list of CAP members in various Laboratory sections have been prepared: Peter F. Rossi, AWT; H. E. Murray, Stability Analysis; Edward B. Palazzo, 8-Foot High Speed; T. D. Reisert, ALD; G. G. Kayten, 19-Foot Pressure Tunnel; Norman Silsby, Pilots; and Jack F. Runckel, 16-Foot Tunnel. Information may also be obtained at squadron headquarters at 2506 Wash-Avenue, Newport News, phone N.N. 7-1281, or on Wednesday evenings at the Hampton Armory.

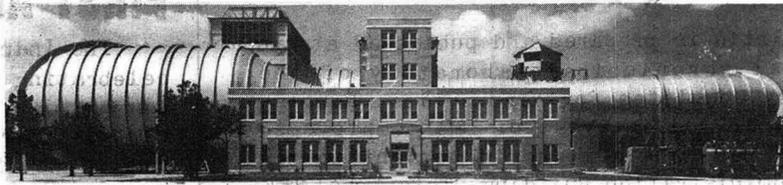
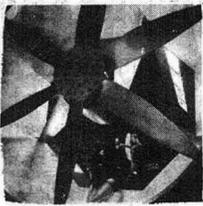
# BRAIN BUSTERS

Frank Parmenter again took top honors in the gas model contest held Sunday afternoon, May 28. Reid Hull, who was runner-up, was behind only ten seconds when the final results were tabulated. Despite a rather strong breeze at ground level, several long flights were made as strong thermals prevailed most of the afternoon. G. W. "Honest Bill"

Times were as follows: Parmenter, W. Machine Shop, 14:11.3; Hull, E. Engineering, 14:01.2; Ray Clark, W. Machine Shop, 10:42; Bob Annas, East Machine Shop, 6:02.2; Dick Sladek, Dynamic Model Shop, 5:58.8; Paul Marchal, East Engineering, 4:20; Aberdeen Stewart, East Engineering, 3:30.2; Charles Malisee, East Machine Shop, 2:59; Jessie Shepard, West Sheetmetal Shop, 1:61.2; and Fred Otten, Full Scale Tunnel, 1:05

Several gas jobs were lost and anyone having any information concerning these models please contact the Bulletin Office. Liberal rewards are offered by the owners.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 25, Vol. 3

Langley Field, Virginia, June 10-16, 1944

Page 1

### Rights Of Former Federal Employee

In regard to the rights of former Federal employees returning from military service, and the obligations of the Federal Government as an employer, the President, in a letter addressed to the heads of executive departments and agencies under date of February 26, 1944, stated:

"My attention has been called to the fact that there is some confusion in the minds of appointing officers in the departments and agencies as to the Federal Government's obligations to provide reemployment for persons who left the Federal service and entered the Armed Forces. I am today designating the Civil Service Commission as my representative for the purpose of issuing—  
continued on page 3

### Travel Reduction Necessary

The Office of Defense Transportation has been conducting a vigorous campaign for the past two years to reduce travel, level travel peaks, and discourage conventions. All other government agencies are asked to cooperate to the fullest extent to insure the leadership and example essential to the success of the campaign as well as to relieve the tight traffic situation.

In discouraging conventions, the ODT announced it necessary that Government officials refuse to attend or participate in any convention not contributing demonstrably to the shortening of the war. As to the problem of scheduling annual leaves, it is requested that the vacation policies in effect heretofore be continued and that a staggering of annual leaves be made a part of the current policy.

Requests for reduction in travel that were formulated by J. M. Johnson, Director of the ODT, and particularly stressed by J. F. Victory, Secretary of the NACA, are "that travel on intercity public carriers during annual leaves be discouraged so far as possible, especially travel during peak holiday periods such as Memorial Day, Fourth of July, Labor Day, Thanksgiving, and Christmas" and "that any travel which leads to or augments heavy concentrations of travel be scrupulously avoided."

## FIFTH WAR LOAN DRIVE BEGINS JUNE 12

The Laboratory's campaign in the Fifth War Loan Drive gets under way on Monday, June 12, under the capable supervision of Starr Truscott, head of the Hydrodynamics Division.

Mr. Truscott has as his assistants in the three areas of the Laboratory, Ira H. Abbott, Assistant Chief of the Full

### LUNDQUIST RECEIVES HONORARY DEGREE

At the commencement exercises held at the University of Nebraska on May 22, 1944, an honorary degree, Doctor of Engineering, was conferred on Eugene E. Lundquist, head of Structures Research, in recognition of his research work done with the NACA. Mr. Lundquist has been employed by the NACA since March, 1929, and his work has consisted mostly of aircraft structures.

Scale Research Division, in the Full Scale Tunnel Area; Percy Crain, Chief of the Mechanical Services Division, in the Administration Building Area; and Joe Kotanchik of the Structures Research Division, in the West Area.

The nation wide drive will continue from June 12-July 8. The Laboratory's quota for the Fifth War Loan Drive is 40 percent of the April payroll which will amount to \$83,000 in purchase value. As compared with the \$36,000 quota in the last war loan drive, this is quite a large increase, but with the invasion as an incentive it is hoped that the goal will be reached and even surpassed. All subscriptions by allotment from June 1 to July 31 can be credited. If a person is already subscribing 15 percent monthly, he can do his share toward meeting the quota by making extra cash purchases equivalent to 5 percent of his June and July salary.

Solicitors for the various sections have not been announced as yet, but the drive will be carried out on much the same basis as in previous drives. All bonds for the Laboratory will be handled by the Federal Credit Union.



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor. . . . . Ruth E. Angel  
Associate Editor. . . . . Audrey Campbell  
Reporters . . . . . LMAL Employees

**INVADE YOUR SAVINGS**

*Invalidate your savings! Make "D" day "Bond" day. The Fifth War Bond Campaign is on, the drive that must exceed all others. This is the testing hour - Invasion - the test of long, dark years of planning and preparation. Invasion - the supreme test of the courage and devotion of our fighting men. Invasion - most of all the test of the home front. Are we worthy of the heroic sacrifices being made on the beaches of Europe? The answer will be found in our purchase of war bonds during the next few weeks. "D" day has marked an epochal time in history and in the lives of us all. Now, of all times, it is expedient to come to the aid of our boys. It is our duty to go TODAY and purchase more war bonds - buy them as never before - buy them until it hurts - to the point that it really becomes a sacrifice.*

**SUPPORT THE INVASION! BUY MORE BONDS!**

**AN EXPLANATION**

A second election for Miss LMAL was necessary because we did not anticipate that every section would try to have her come from their own section, but that they would feel that she was to represent the whole Laboratory, not just a section; and with that in mind would make their own choice. With each section supporting only the girl in their particular office, it would not have been fair to the girls in the smaller sections to have let the first election count; and with the votes tallying so closely, 16 girls could not have been elected fairly. Thus, we, hoping that this would be a fair election, found that it would be necessary to have the 16 girls selected from the 69 nominated. We feel that this election has been as fair as possible for a Laboratory of this size, and we hope that we have offended no one. If we have, it was unintentional and we are sorry.

**Girls' Softball**

Structures Research came through with a decisive win in their 12-0 victory over Flight Research. Maxine Spour starred for Structures by collecting a home-run and two singles.

In a closely matched game, AWT defeated FGDA 12-11. With the score tied 11-11 at the end of the fifth inning, AWT went on to score a run in the extra inning to chalk up another victory. Eleanor Jacobs, center for FGDA, proved herself outstanding when she

caught a fly and made a double play. Ann Timberlake and Margaret Farmer, players for AWT, both made triples. Ginna Tucker caught the fly that tied the game in the fifth inning. Carl Rossman, Structures, umpired

PRT defeated 16-Foot Tunnel by a margin of 21-19. Both teams were evenly matched. The only outstanding playing in game were the two home runs scored by Maxine Horne, 16-Foot. John Houbolt, Structures, umpired the game.

**USO TO CELEBRATE FIRST ANNIVERSARY**

The Industrial USO Club is celebrating its first anniversary with a formal dance and birthday party on Monday evening, June 12, at the Hampton Armory. Red Overton's eleven-piece orchestra has been engaged for this gala affair.

Members of the USO Committee of Management will be the hosts and hostesses at the dance. Serving on this committee are Paul Taylor, Chairman; Mrs. George Porfator, Vice-Chairman; Mrs. W. R. Diggs, Secretary, and "Tom" Hulcner, treasurer; H. T. Iawless, E. J. Shave, E. F. Howins, Rev. Harvey Bryant, Melvin T. Butler, Charles Gordon, and Mrs. Max Kantor.

As a special innovation, the USO Mimes will present a floor-show during the evening. Leigh Lewis, president of this newly organized dramatic club, will introduce the Show - a "GAY 90'S REVUE", which includes a cast of about thirty who will bring back scenes and melodies of good old days, presenting the Floradora Sextet, Big Profundo, the Can-Can Girls, Barber Shop Quartet, a tap dance specialty - the East Side Kids, Lilliam Russell, and a Tandem Novelty. With the exception of the Can-Can Girls, who are dance pupils of the Henkal-Humphries studio of Newport News, the cast is made up of War Workers who are talented members of the USO dramatic club, many of whom are NACA employees.

In completing one year of service in Hampton, the Committee and Staff wish to thank all who have cooperated in this work, and call attention to the fact that the Industrial USO is here to serve the community as well as War Workers.

**BLOOD DONORS**

Cletus Vincke and Everette W. Dunlap, Instrument Service, to LMAL employee, May 25.

**FOUND:** Ladies wrist watch in Administration Building. Owner contact Bulletin office. Phone 376.

# Federal Employees

From page 1

ing, from time to time, instructions which will indicate just what the rights of the returning veterans are under certain sets of circumstances. The instructions issued by the Commission should be rigidly adhered to by the heads of the departments and agencies and by their representatives."

In accordance with the President's letter, the Commission will, from time to time, issue instructions as to administrative procedures which should be followed in order to conform with the spirit and intent of the Selective Training and Service Act. These instructions will be printed in the Bulletin in a series, in question-and-answer form. This is the first of the series.

**QUESTION 1.** Under what circumstances is a Federal employee who enters the armed forces entitled to reemployment?

(a) The position which he left must have been "other than a temporary position." (In the Federal service, the status of the employee, rather than the status of the position, is the determining factor in this connection.)

(b) He must have entered active military or naval duty since May 1, 1940.

(c) He must have received a certificate of satisfactory completion of active duty or an honorable discharge.

(d) He must still be qualified to perform the duties of his former position.

(e) He must apply for reemployment within 40 days after discharge.

**LOST:** Black Conklin fountain pen with 2 gold bands. Reward. Call Paul Obst at 272.

\* \* \*

**WANTED:** Young married women to share 4 room apartment. Prefer one but will consider two. Call 360.

\* \* \*

**LOST:** Large, dark blue, Parker fountain pen on Dodd Boulevard. \$2.00 reward. Call 347.

**SUPPORT THE INVASION!**

**BUY MORE BONDS!**



# SPORTS



Only two teams remain undefeated as a result of last week's encounters. Structures holds undisputed possession of first place with 5 wins and no losses, while East Area Shops is second with a record of 4 wins and no losses.

A large crowd was on hand last Friday to witness the contest between East Area Shops and AID. EAS emerged the victor by the score of 8-4. Cliff Link gave up 5 hits, while striking out 6 and walking 5 in chalking up his second win of the season. Joe Dodson and Link faced the winners hitting attack, gathering 4 of their team's hits between them. Link hit for the circuit in the third inning with one on base while Nuttle garnered a triple in the sixth.

FRD was able to get only one hit off pitcher Sam Vollo in the game with PRT; nevertheless, FRD won 4-0. Fred Daum allowed only 4 hits to win his 3rd game of the season. Harold Kleckner was the lad who ruined a no-hitter for Vollo.

On Thursday 19-Foot overwhelmed Tank 19-4. Pat Cancro fattened his batting average by getting four safeties in five trips to the plate. Leonard Damrotowski began his pitching career rather shakily when 19-Foot nopped on him for 8 runs in the very first inning. Better luck next time.

On Wednesday, Structures shut-out Stability 7-0. Si Diskin, on the mound for the winners, struck out 11 men and walked 2, while McLaughlin and Marvin Pitkin, pitchers for the losers, gave up 6 hits between them. Johnny Neff's clouting, which included a double and a home run, accounted for three of the 7 runs scored by Structures. George Zender accounted for two more runs.

IRD defeated Engineering 6-2. Ray Hansen, pitching for IRD, allowed only 3 hits, while Jim Dawson, pitcher for the losers, gave up 7 safeties. The winners put the game in the bag in the fifth inning when they scored 3 runs.

Two upsets were entered on the records Monday when 8-Foot outscored AWT 9-6 and Low Turbulence defeated Full Scale 5-3. In the former game, Burly Baals and Jim Scriven were the opposing pitchers, Baals gave up 7 hits against Scriven's 11. Both teams played erratic ball, dividing 8 errors between them. Arvo Lumo was the big gun, collecting a triple and a single to drive in 3 of his team's runs. In the latter game, Roy Lange, pitcher for Full Scale, gave up only 1 hit, but Low Turbulence took advantage of the many errors committed to account for the upset.

Softball standings:

Pos.	Team	Won	Lost	Pct.	G.B.
1	Structures (8)	5	0	1.000	-
2	East Area Snops (12)	4	0	1.000	1/2
3	AWT (6)	4	1	.800	1
3	19' Pressure (14)	4	1	.800	1
5	Full Scale (3)	3	1	.750	1-1/2
6	8' High Speed (4)	3	2	.600	2
6	Flight Research (13)	3	2	.600	2
8	Tank (5)	2	3	.400	3
8	Low Turbulence (7)	2	3	.400	3
8	PRT (10)	2	3	.400	3
11	Engineering (1)	1	4	.200	4
11	Instrument Research (9)	1	4	.200	4
13	Stability (2)	0	5	.000	5
13	Aircraft Loads (11)	0	5	.000	5

# Life At The Laboratory

**WEDDING BELLS:** Audrey Campbell, Associate Editor of the Bulletin, and Roy Lange, Full Scale Tunnel, will tie the final knot today in Charlottesville. Bridesmaids are: Milly Devine, 8-Foot Tunnel; Buz Walters, Procurement; Helen Flanagan, Aircraft Loads; and Jean Ellis, Structures. Usners are: Pat Chiarito, Structures; Bill Craig, Recruiting; Claude Hart, Full Scale Tunnel; Charlie Kelly, Full Scale; and Ray Anderson, Spin Tunnel, best man....Bill Aiken, AID, will take vows today when he marries Aileen Faum of Bridgeport, Conn....Jack See, AID, will be married today to his home town girl....Ann Ingle and Hank Elksnin, Engineering Section, were married Thursday, June 8, at St. John's Episcopal Church, Hampton. Ruth Webb, Efficiency, was soloist.

**ILL WINDS:** Charlie Matthews, Flight Research, is back at work after being out with a broken foot which he received during a baseball game....Margaret Young, Personnel, is back at the Lab after being ill for several weeks....Annie Young, Assistant to Counselor for Women, is back at the Lab after recuperating from a recent appendectomy....Mary Alice Smith, 24-Inch Tunnel, is back after recuperating from a recent operation....Hazel Redding and W. R. P. Wilson are on AWT's sick list....Betty Bohannon, Library, is undergoing treatment at the Dixie Hospital.

**ROMANCE:** Lib Garner, AWT, returned from her trip to Tennessee wearing a new diamond. It belongs to Marion McKinney, Free Flight Tunnel.

**HEIR MAIL:** Jim Toller, Construction Purchase, is the proud father of a son, James Jr., born May 23.

**PARTIES:** The 19-Foot Pressure Tunnel Section had a soiree at the Hampton Yacht Club, Friday night, June 2....AID had a picnic at Grand View, Sunday, June 4. Walter Walker was the only casualty - he suffered a leg injury when a keg of beer fell on him....Despite the bad weather, Stability Tunnel had a beach party Sunday, June 4, at Virginia Beach....Buz Walters, Planning and Procurement, and Milly Devine, 8-Foot, gave a shower for Audrey Campbell, Friday, June 2, at the home of Helen Johnson....Personnel recently had a farewell party for Flora Smith and June Sanderson who have left the Laboratory...Oleta Church, Margaret Farmer, and Janice Burroughs, AWT, were hostesses at a shower for Margie Bullock on Friday night, June 2. The crowd later adjourned to Sara Whitley's for an old fashioned "men party".

**VACATION RHAPSODY:** Don Jones, IRL, is vacationing in Oneida, N. Y....Nancy Wall, 16-Foot Tunnel, is visiting her home in Leaksville, N. C....Marshall Yovits, IRL, is visiting his home in Schenectady, N. Y....Shirley Routten, Files, is leaving the Lab to join her Army husband in Texas....Chuck Bernhard, IRL, has returned from a visit to his home in Washington....Shirley Huxter, 16-Foot, spent last week-end at her home in Danville....Leroy Spearman, AWT, is vacationing at his home in Birmingham....George Thompson, Project Engineers, has returned from an extended week-end in N. Y....Jewell Whately, AID, has left the Lab to return to her home in Alabama.... Good-byes are in order for Ruth Smith who has left the Construction Office....Blake Carson and Dave Maloney, 16-Foot, spent the week-end in Farmville....Harold Maxwell, Project Engineers, has returned from a visit to his home in Clarksville....Helen Sara Taylor has left Aircraft Loads to take up new duties with the Agriculture Department in Washington.... Henry Rottersman, Spin Tunnel, is vacationing in Atlanta.... Philip Pepon, Spin Tunnel, is taking life easy in Illinois.

**HERE AND THERE:** Kay Wasson, E. Model Shop, is visiting her home in Tenn.

## 16 GIRLS COMPETE FOR MISS LMAL

At last the 16 girls who will compete for the title of Miss LMAL have been selected and the list is ready to be released. Pictures of these girls will appear in the Bulletin of June 17-23. They are:

Jean Allen, Files - blonde, dreamy blue eyes, small and slim, pigtails, mighty cute.

Ruth Angel, Bulletin - long blonde tresses, peachy complexion, flashy blue eyes, snoopin' and scoopin'.

Katie Banick, Leave - Tall brunette, soft smooth complexion, upswept hair-do.

Audrey Campbell, Bulletin - brunette, vivacious, streamlined, refreshing, now busy getting married.

Dickie Creech, Messenger - blonde, short, awfully active, never a dull moment.

Helen Hanks, Construction Purchase - long wavy brown hair, smooth peachy complexion, always smilin', friendly.

Frances Leigh, Files - red on the head, little gal, short and slim, cool and limpid green eyes, awfully active.

Mary Lou Mackie, Editorial - brunette, beautiful blue eyes, long eyelashes, Nancy McCarthy, Messenger - small blonde, personality plus, freckles, plenty cute.

Viva Michels, P. Crain's Office - small brunette, petite, reserved, pretty smile.

Ruth Miller, Editorial - small brunette, feminine, well groomed, cheerful.

Louise Neal, Leave - brunette, tall, reserved, well liked, pleasant.

Marijean Saunders, Receptionist - brunette, short and slim, always smilin', petite.

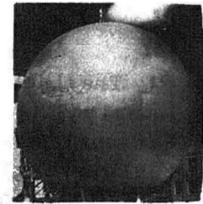
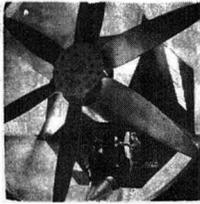
Elizabeth Scott, Administrative Office, brunette, big sparkling blue eyes, vivacious, plenty of personality.

Letitia Smith, Duplicating - brunette, long wavy hair, small and slim, smooth fair complexion.

Mary Margaret Soper, Cost Office - brunette, natural curls, big brown eyes, dimples,

Pictures of these 16 girls will be sent off to be judged as soon as possible.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 26, Vol. 3

Langley Field, Virginia, June 17-23, 1944

Page 1

### WAR BOND DRIVE GETS UNDERWAY

The Laboratory's campaign in the Fifth War Loan Drive is now well underway in the capable hands of Starr Truscott, Head of the Hydrodynamics Division. At noon Wednesday, cash sales totalled \$4,399.50.

In order to tie the invasion in with the bond drive, Mr. Truscott has designated the name Invasion Loan Drive for the campaign here at the Laboratory.

James P. McClung, Maintenance, has set an example that other employees might follow. He has purchased a bond every day since the beginning of the campaign, two being \$100 bonds and two \$25 bonds. John Draper, Free Flight, has purchased thirty twenty-five bonds. With examples like these, it is hoped that other employees will respond in a similar manner, and that the \$83,000 goal will be reached and even surpassed.

### ROOMS TO HOUSE NEW EMPLOYEES NEEDED AT ONCE

There is an urgent need for rooms to house new employees of the Laboratory, it was announced by Carrie Love, Housing Officer.

A large influx of new workers is occurring now, and the present supply of rooms is virtually exhausted. The greatest problem has been finding rooms for men. Anyone who knows of a room vacancy should communicate with Mrs. Love at 377, giving full particulars.

### MILITARY TRAINING AVAILABLE TO LABORATORY EMPLOYEES

A temporary committee has been studying various plans providing military training for members of the ACER at LMAL. A preliminary survey indicated that at least 219 men are interested in taking some type of military training. A group of over 30 men with military or naval training have signified their willingness to serve in training other LMAL men.

The Army policy of directing its efforts to objectives other than the training of reservists prevents the establishment at LMAL of an official training program leading to commissions or ratings. All officers consulted by the committee have, however, emphasized the need for trained men and recognition is given to proved proficiency upon entrance into active service and have indicated their willingness to cooperate in every way possible.

The committee is working on a plan to set up a program based on Army correspondence courses and other text material. In this program, homework on study of texts and completion of lessons would be supplemented by classroom work and seminars. Occasional expert lecturers probably can be obtained. Although plans are not yet definite, it is expected that the program would be established and administered by qualified LMAL reservists.

This program would provide valuable training in both fundamental and advanced subjects, but would not provide actual practice as in drill. Several opportunities exist for those who wish to take more active training, or to supplement study, by joining existing organizations. The following organizations have been contacted and found to provide facilities for training and service with limited obligations: The Temporary Coast Guard Reserve, Virginia State Guard, Virginia Reserve Militia, and Civil Air Patrol.

An interim report presenting further details of these plans and organizations has been prepared and sent to those who signified a desire for training. Other copies are available from committee members for those who want them. In joining such organizations, employees are reminded to conform with section 44 of the Administrative Regulations which provide as follows: "Permission to apply to military authorities for commission, enlistment, or training in the Reserves, Officers' Reserve Corps, National Guard, State Guard, Civil Air Patrol, or C. A. A. flight program shall be obtained in advance from the head of the Laboratory through official channels."

Committee members are: Ira H. Abbott, Chairman, Full-Scale Research, 360; Dr. Aery, Secretary, Selective Service, 368; T. M. Butler, Personnel Office, 367; J. W. Ebert, Open Water Research, 393; P. W. Kamm, Stability Research, 282; R. I. Sears, Stability Tunnel, 324.



The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor . . . . . Ruth E. Angel  
 Associate Editor . . . . . Audrey C. Lange  
 Reporters . . . . . LMAL Employees

## CLEVELAND CLIPPINGS

**FIFTH BOND DRIVE:** AERL's Fifth War Loan Drive began June 1, under the supervision of E. J. Baxter. The quota, which exceeds the last drive more than \$56,000, has been set for \$115,000.

**LOBBY LINES:** Recent visitors from LMAL were Colonel Carl F. Greene, Liaison Officer, and Floyd D. Thompson.

**U. S. PLANES BEST:** In an article taken from the Skyesville Herald, "Performance of U. S. Fighting Planes Best In World, Thanks to Advisory Committee For Aeronautics", which credits the Committee with tests and research that are keeping "America ahead in grim competition with Hitler's scientific research, Wing Tips quotes, "The nation depends upon the men and women who staff these Laboratories more than any others to keep ahead of the Nazi scientists in designing aircraft that will take and hold control of the skies."

**DIRT CHASER TEAM:** In an effort to infect their co-workers, Jack Dalglish and Bill Dewey have inaugurated a cleanliness program which they hope will find conorts in all buildings. New thoughts and ideas will be posted every few days, and anyone may submit sentences which he thinks epitomize the importance of cleanliness and orderliness.

**WAR TRAINING COURSES:** The Western Reserve War Training Office began a new series of courses on June 5. Courses offered include: Materials Operation and Control, Job Analysis, Fundamentals of Business Statistics, Industrial Accounting, Industrial Organization and Labor, and Job Classification and Evaluation.

**LOST:** A new Woodstock typewriter with long carriage. This typewriter was last seen in the Housing and Transportation Office. Anyone having any information as to its whereabouts please contact Margaret Young, Records.

### THE TIME IS NOW! ATTACK WITH WAR BONDS!

*He made the supreme sacrifice - he gave his life. Ours is the responsibility to work, to save, to buy all the War Bonds we can to speed the return of his comrades. Their future depend on what we do to sustain them now.*

*The course of the whole war lies in balance. The real fight has just begun. Invasion comes high - and the cost in materials as well as in blood will be heavy indeed. If what you do for the war effort is an easy thing to do, it is not enough. We can not hope to give as much as the boy who gives his life, but we can do the utmost. Your part, in addition to whatever else you are doing, is to lend your money to help pay the tremendous costs of the war.*

*The time is NOW! Let's make our ATTACK with War Bonds!*

## IS IT HARDER FOR YOU TO MAKE A LOAN



## THAN IT WAS FOR HIM TO GIVE HIS LIFE? BUY BONDS

# Girls' Softball

In a game played last Friday, AWT chalked up another victory when they defeated Personnel 19-15. Under the pitching of Frances Leigh, Personnel held its own to hold the score down to a close margin. Coleman Donaldson was umpire of the game.

In a closely matched game played Monday, ALD defeated PRT 6-3. No outstanding plays were made but both teams played a good game. Sergeant Bill Grademan umpired.

Personnel came through to win their first game of the season when they defeated 16-Foot 18-8. This was 16-Foot's second defeat. Frances Arnn was pitcher for the winners and Carlyle Moore was umpire.

Due to changes in Girls' Softball league, the teams, captains, and numbers of the teams have been changed as follows:

1. Flight Research and Tank, Eleanor Johnson and Harriet Bender;
2. F.G.D.A., 8', T.D.T., and Computers, Diane Turk and Millie Devine;
3. P.R.T., Anne Cock;
4. 16' Tunnel, Nancy Wall;
5. Structures, Evelyn McCuiston and Sybil Bateman;
6. A.W.T., Margaret Farmer;
7. Personnel, Frances Arnn and Nancy Shelton;
8. A.L.D., Dot Beadle and Athelda McCarver.

Standings:

Team	Won	Lost	Ave.
AID	3	1	.750
AWT	3	1	.750
Struc.	3	1	.750
FR & Tank	2	1	.666
FGDA-TDT-8'	1	2	.333
PRT	1	3	.250
Personnel	1	3	.250
16'	0	2	.000

LOST Sheaffer fountain pen with gold head and brown striped bottom. Believed to have been lost around Base Esso Station and Engine Lab. If found contact W. Scott, Fiscal Office.

NEW TELEPHONE NUMBERS: Report Typists Section, 313; Hydro-dynamics Analysis, 307.

WANTED: To buy a used car. Contact Albert Jackson, Electrical Section, phone 275.



# SPORTS

As a result of last week's encounters, East Area Shops remains the only undefeated team in the USO-NACA Softball League with 5 victories and no defeats. Structures dropped from the league leadership after losing to 8-Foot High Speed Tunnel and they are now tied with 19-Foot Pressure Tunnel for second place, with 5 victories and one defeat each.

In a game played last week, Low Turbulence overwhelmed the Tank team by the score of 15-2. Louis Stivers was pitcher for the winning team, and Fred Rice, also of LTD, got three hits out of 4.

For the third consecutive year, 8-Foot High Speed came through to upset Structures. The score was 5-2. 8-Foot scored five times in the sixth inning to overcome a two-run deficit. Burly Baals, pitcher for the winners, twirled 5-hit ball to win his fourth game of the season. Si Diskin was nicked for 7 safeties including two doubles in losing his first game of the season.

In another landslide, Full Scale blasted the pitching of 3 pitchers to defeat Instrument Research 22-2. Roy Lange, pitcher for Full Scale, once again turned in a stellar performance on the mound.

Behind the able hurling of Sam Vollo, PRT defeated Stability 7-5. Vollo whiffed 6 men, walked 3, and gave up only three hits; Dick Everett, the losing pitcher, gave up 7 hits and fanned 5. The game was won in the seventh inning when PRT came from behind to score three runs on four hits and two walks.

In a loosely played ball game, Engineering Section outscored Aircraft Loads 9-6. Don Lietzke and Dwight Fearnow, the opposing pitchers, gave up 27 hits. Between them the two teams divided 15 errors.

AWT lost its second straight game when 19-Foot Pressure Tunnel came from behind in the seventh inning to score two runs. The final result was 6-5. A large crowd turned out to witness this closely matched contest. Pat Cancro was the winning hurler, and Jim Scriver was charged with the loss.

In a one sided match between East Area Shops and Flight Research, East Shops scored at will to win by the score of 21-7. Fred Daum, pitcher for FRD, gave up 18 hits, seven of which were collected off the bats of Irwin Schumacher and Dale Burrows. Dale Burrows was pitcher for the winning team. The two teams committed a total of 13 errors.

## Softball Standings:

Pos.	Team	Won	Lost	Pct.	G.B.
1	East Area Shops (12)	5	0	1.000	-
2	Structures (8)	5	1	.833	1/2
2	19' Pressure (14)	5	1	.833	1/2
4	Full Scale (3)	4	1	.800	1
5	8' High Speed (4)	4	2	.667	1-1/2
5	AWT (6)	4	2	.667	1-1/2
7	Low Turbulence (7)	3	3	.500	2-1/2
7	PRT (10)	3	3	.500	2-1/2
7	Flight Research (13)	3	3	.500	2-1/2
10	Engineering (1)	2	4	.333	3-1/2
10	Tank (5)	2	4	.333	3-1/2
12	Instrument Research (9)	1	5	.167	4-1/2
13	Stability (2)	0	6	.000	5-1/2
13	Aircraft Loads (11)	0	6	.000	5-1/2

## Grain Of Salt

Salt has been referred to as the balance wheel in the human body. When salt is lost, the body tends toward dehydration with the result that a lassitude and inalertness sometimes called heat-fag is apparent. At hard work on a hot day, a worker can easily throw off several quarts of sweat--sweat that robs his body of salt.

Loss of body fluids causes thirst. Water without salt under these conditions dilutes body fluids and sometimes causes heat cramps.

The lack of sodium chloride can best be offset by the use of salt tablets, a supply of which is maintained at most drinking fountains.

Industrial physicians have pointed out that the body does not store a reserve supply of salt - any excess is passed off. Ingestion of salt by tablets does not contribute to hardening of the arteries nor stiffening of joints of the body. However, in order to avoid a local disorder of the stomach caused by the entrance into the body of a relatively concentrated portion of salt, a proportion of water and salt amounting to one teaspoonful of salt or equivalent to a gallon or more of water should be maintained.

Suggested daily consumption of salt tablets; Workers doing light to medium work--5-6 tablets; Workers doing medium to heavy work, 8-10 tablets; Workers doing extra heavy, hot work, 12-15 tablets.

★ ★ ★

FOR SALE: Knockabout Sailboat, 18-1/2' by 6' beam. Built by V. Serio, Newport News. Fast and able, in good condition. Contact H. A. Barritt, W. A. Sheetmetal Shop.

★ ★ ★

BLOOD TYPING of Laboratory employees is at a temporary standstill due to the shortage of serum at the Dixie Hospital. Typing will be resumed as soon as the shortage is corrected. From February 28 to May 19, 760 employees were typed.

## Rights Of Former Federal Employee

Listed below are the questions and answers in the second series of information in regard to the rights of former Federal employees returning from military service, and the obligations of the Federal Government as an employer.

*QUESTION 2: To what rights is a person meeting the conditions in question entitled?*

(a) He shall be restored to (1) his former position, (2) a position of like seniority, status and pay, or (3) subject to the provisions of Departmental Circular 257, Revision 3, any position to which, according to the records of the agency, or in its judgment, he would have been promoted if he had not been absent to perform military or naval service. In any case, such restoration shall be made within 30 days of his application for reemployment.

(b) He shall be restored "without loss of seniority."

(c) He shall be entitled to "participate in insurance or other benefits offered by the employer pursuant to established rules and practices relating to employees on furlough or leave of absence in effect with the employer at

the time he was inducted."

(d) He shall not be "discharged from such position without cause within one year after such restoration."

(e) He shall receive a salary which shall not be lower than that which he was receiving when he entered active military or naval duty, plus any within-grade salary advancement or advancements to which he would have been entitled under the Classification act.

*QUESTION 3: Is a war-service appointee entitled to reemployment rights?*

Under strict interpretation of the Selective Training and Service Act (opinion, Attorney General, May 26, 1943), a war-service appointee is "temporary." Nevertheless, under the Commission's present War Service Regulations (see War Service Regulation XIII), a war-service appointee who returns from military or naval service, and meets the conditions set forth in paragraphs (b), (c), (d) and (e) under question 1, above, is entitled to the rights set forth in paragraphs (a), (b) and (e) under question 2, above.

## HAMPTON REGATTA BEGINS JULY 1

The sixteenth annual regatta, sponsored by the Chesapeake Bay Yacht Racing Association, will be held at the Hampton Yacht Club on Saturday and Sunday, July 1 and 2. A three race series will be held for Hampton One Designs, Handicap Class (Knockabouts under 20' lwl.), Penguins, Warwick Dinghies, Moths, and any other class for which three or more boats are entered. There will be one race only for cruising sailboats. The 1939 Standard Race Conditions of the Chesapeake Bay Yacht Racing Association will apply, except Section II, Rules 2 and 4.

Entries must be made on the entry blanks provided, and must be filed with the Race Committee not later than 12 noon on July 1. They may be mailed to the Race Committee

at the Hampton Yacht Club or presented at the Club House between 9 a.m. and 12 noon on July 1. Beginning on June 19, entry blanks may be secured from the Bulletin Office, 201 Administration Building.

One point shall be awarded for completing the course and one point for each boat beaten in each race. The winning boat shall be awarded an additional quarter point. All boats properly entered and registered in the series are considered as starting in each race. All boats withdrawn or disqualified are considered as boats beaten.

An informal dance will be held at the Yacht Club on Saturday night, July 1, and all members and contestants in the regatta are invited. Admission will be \$1 per couple.

# LIFE AT THE LABORATORY

**WEDDING BELLS:** Helen Walker, Stocks, and Pfc. William F. Denny of Fort Bragg were married May 29 at the Calvary Baptist Church, Newport News....George Griffith, Structures, was married June 5 to Ernestine Collins of Boston....Marian Bailey, Full Scale Tunnel, took vows with Julian Greene, U. S. Nav, on Thursday, June 8....Friends at LMAL have received an announcement of the marriage of Joyce Gibson, formerly of AWT, to Lt. William Leeds of California.

**ROMANCES:** Betty Ludwig, Flight Research, has added something new to her third finger left hand. She is engaged to Sig Sjoberg, also of Flight Research, and the big event will take place sometime in September....Marjorie Munford, L Purchase, recently became engaged to Bill Petring, Full Scale Tunnel... Mary Margaret Soper, Cost Office, is engaged to Lt. Gordon H. Tresch, Chatnam Field, Ga.

**ILL WINDS:** Hazel Redding has returned to the Lab after being ill for several weeks... Ray Schnaeffer, Stenographic Section, is recovering from a case of poison ivy...Sam Eakin, FRM & R, is undergoing treatment at the Army Hospital in Kecoughtan. Every one wishes him a speedy recovery...George Stickle, PRD, is undergoing treatment at Dixie.... Dorothy Yates, Structures, is back at the Lab after recuperating from a recent operation.

**HEIR MAIL:** Gene Guryansky, Full Scale Tunnel, is the proud papa of a daughter born Monday, June 12....Gene Draley, 8-Foot High Speed, recently adopted a daughter, Mary Ellen....Dick Moberg, 8-Foot High Speed, is the father of a daughter, Vivian Elin, born Monday, June 12.

**PARTIES:** The combined Engineering Sections had a big time picnic at Yorktown Sunday, June 11. The draftsmen defeated the engineers 5-4 in a closely battled softball game....16-Foot Tunnel Computers had a beach party Monday, June 12...Full Scale Analytical recently had a party at Jack Nielson's South Hampton apartment. Atmosphere and refreshments centered around 6 feet of salami...Free Flight Tunnel picnicked at Buckroe Thursday, June 8. In a terrific softball game (men batting left hand and women right), Pitkin's Hamburgers defeated Bennett's Weiners 9-4.... A snowder was held Wednesday night, June 14, at the home of Eleanor McKinstry for Marjorie Bullock, who has left the Lab to be married June 24....On Saturday, June 10, Payroll entertained at a birthday party for Margaret Baughan, and on Sunday, June 11, the office staff met at Grand View for a beach party... The Apprentice Administration held a cover dish supper at the home of Walter Hixon, in honor of Ruth Snotwell and Gerry Brewer who are returning to their respective homes on June 15...Editorial Office had a cake-cutting

during lunch on Tuesday, June 6, in honor of Audrey Campbell.

**VACATION RHAPSODY:** Mary Lou Mackie, Editorial Office, has returned from a trip to New York....Jack Paulson, Free Flight Tunnel, and Chet Furlong, 19-Foot, are visiting their homes in Minnesota....Alice Zitzer, PRD, is vacationing in Philadelphia with her Army husband....Ruth Webb, Records, and Kent Horton, Project Engineers, are visiting Ruth's home in Fries....Vivian Jennings, L Purchase, has left the Lab to return to her home in Tennessee....Frank Aspir, Project Engineers, is vacationing in New Bedford, Mass....Lillie Belle, Structures, is visiting in South Carolina....Manny Stein, Structures, is taking life easy at Miami Beach....Gay Ward, Structures, is vacationing in New Rochelle, N.Y... Jimmy LaHatte, Full Scale, flew to Washington for a two-week's vacation....Myron Block, Full Scale Analysis, has returned from Troy, N. Y....Bernice Hisey, Full Scale, is back after 10 days at Virginia Beach....Tom Voglewede, FRD, has returned from a trip to Cleveland and also to Dayton, where he attended a family reunion...Sue Hunt, ALD; Gene Hoge, Files; and Ralph Moore, Apprentice Administration, have returned from a trip to Washington where they visited Ann Carmines, formerly of Personnel....Virginia Smith and Al Stokke, ALD, are vacationing at Al's home in Long Island....Dick Bragg, Maintenance, spent the week-end in Washington....J. P. Morgan, Dynamic Model Shop, is vacationing in West Virginia.

**HERE AND THERE:** Claude Irmiten, Dynamic Model, is visiting in Minnesota....Paul Williams, Maintenance, and wife will depart on June 21 for a two weeks visit with their son, Harry, who is stationed at Columbus, Miss., with the Air Corps...Durwood Dereng, Dynamic Model, is taking life easy this week at his home in Hampton...Dick Gladek, Dynamic Model, is visiting in Chicago...Apprentice Administration welcomes back Barton Geer, who has returned from his home in Iowa....Sara Woods has left Payroll to return to her home in Portsmouth....Cecil Burtner, FRM & R, has returned after spending several days with relatives in Harrisonburg...Edith Slayton, IRD, has returned from a visit to her home in Danville...Howard Edwards and Charlie Taylor, IRD, spent the week-end at Sweetbriar, Va... Phyllis Lueder, Stenographic Section, and her Army husband spent the week-end in New York visiting Phyllis' brother.

**MISCELLANY:** Electrical Shop had a party Saturday, June 10, at the home of Calvin Workinger. Highlight of the evening was Bill Scott and his drums....Betty Sprout, West Sheetmetal, and Charlie Philips, Electrical Shop, were married Friday, June 9.

## LIBRARY NEWS

The following new books are available at the Library in the Administration Building.

517.38 P78 Introduction to the Theory of Linear Differential Equations. By E. G. C. Poole.

517.35 C23 Introduction to the Theory of Fourier's Series and Integrals. By H. S. Carslaw.

510 An2 Basic Mathematics for Engineers. By Andres, Miser, Reingold.

311.2 R44 Handbook of Mathematical Statistics. By H. L. Rietz.

658.3 As6 The Handbook of Industrial Relations. By John Cameron Aspley.

620.2 Ak1 4v. Hutte; des Ingenieurs Taschenbuch.

530.2 M47 (V.11, pt.2) Elekronenleitung. Galvanomagnetische, Thermoedtrische und Verwandte Effecte. Handbuch der Experimentalphysic, v.11 pt.2.

537.6 H73 Die Technische Physik der Elektrischen Kontakte. By Ragnar Holm.

651 St8 Seven Steps Toward Simplified Office Procedure. By Stricker.

311.2 F53 Statistical Methods For Research Workers. By Fisher.

311.2 Y9 An Introduction to the Theory of Statistics. By Yule and Killian.

535.84 Sch1 Das Ultrarote Spektrum. By Schaefer and Matossi.

543 J15 Analytical Chemistry of Industrial Poisons, Hazards, and Solvents. By Jacobs.

311.2 P31 Medical Biometry and Statistics. By Pearl.

311.2 D92 Handbook of Statistical Nomographs, Tables, and Formulas. By Dunlap and Kurtz.

542.2315 W93 Manual of Laboratory Glass Blowing. By Wright.

510 J66 Mathematical and Physical Principles of Engineering Analysis. By Walter C. Johnson.

531.3 F41 Applied Gyrodynamics. By E. S. Ferry.

### RIFLE CLUB TO HOLD TRAINING MATCH SUNDAY, JUNE 18

The Hampton Rifle Club will hold its regular bi-weekly training and competitions match at their range, Sunday June 18th at 3 p.m. Laboratory personnel are invited to take part in these competitions. Rifles and ammunition will be available for competitors. These matches will be fired at both 50 and 100 yards prone position.

Directions to range--go out Mallory Ave., through East Hampton, cross new highway (James River Bridge to Fort Monroe). Take first road that turns left, continue on this road about 1½ miles. The range is on the right side of the road, about 200 yards from road. The range is directly opposite entrance to county home.



Shown above are pictures taken at the anniversary dance of the Industrial U.S.O. at the Hampton Armory. Shown in the picture at the left are members of the U.S.O. committee. They are (from left) Tom Hulcher, Mrs. Kantor, Mr.



Kantor, Mr. Long, Director; Mrs. George Perfater, Mrs. Muir, Asst. Director; Mr. E. J. Shave, Mrs. Tom Hulcher, Melvin Butler, Charles Gordon. Shown at right is a scene taken from the "Gay 90's Revue". Photos by D. S. Foster.

# Service Notes...

Lieutenant James R. Hanson, formerly of Instrument Research, was reported to have shot down his third Nazi craft in air combat Thursday, June 8. James held a civilian pilot's license before entering the Army Air Forces in May, 1942, and prior to his induction, he was employed as a draftsman at Langley Field. He was graduated in February, 1943 from the Army Air Forces Advanced Flying School at Napier Field, Ala. In a sweep over Germany last month, Hanson claimed a twin-kill of German aircraft.

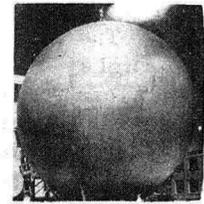
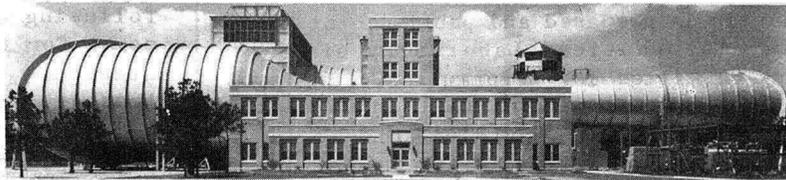
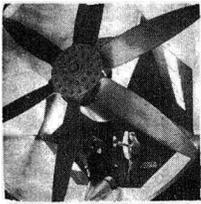
Charlie Anderson writes to express his appreciation for the copies of the Bulletin, and he says, "Being a torpedoman I haven't had much chance to work around airplanes, but I have had a chance to see what they can do, so I at least know you folks are doing a swell job. Keep up the good work. Give my regards to all my friends and I would be glad to hear from them at any time!" Charlie's address is: Charles V. Anderson, TM 2/c, U S.S. Johnston, "o" Division, c/o Fleet Post Office, San Francisco, California.

John Harrington writes from somewhere in New Guinea to say, "Today I flew on my fourth test hop. Although I am not an air crew member, I do fly when the opportunity permits. It's good to see where one travels on his daily trips to the line and squadron area."

John Law writes from Memphis, Tennessee that he is now in Aviation Machinist Mate School and that he will be there for at least six more months. After that he will go to Radar school for a month. John's new address is: John T. Law S 2/c AMM, Barracks #54, N.A.T.T.C., Memphis, Tennessee.

It is a great misfortune neither to have enough wit to talk well nor enough judgment to be silent.--La Bruyere

# LMAL BULLETIN



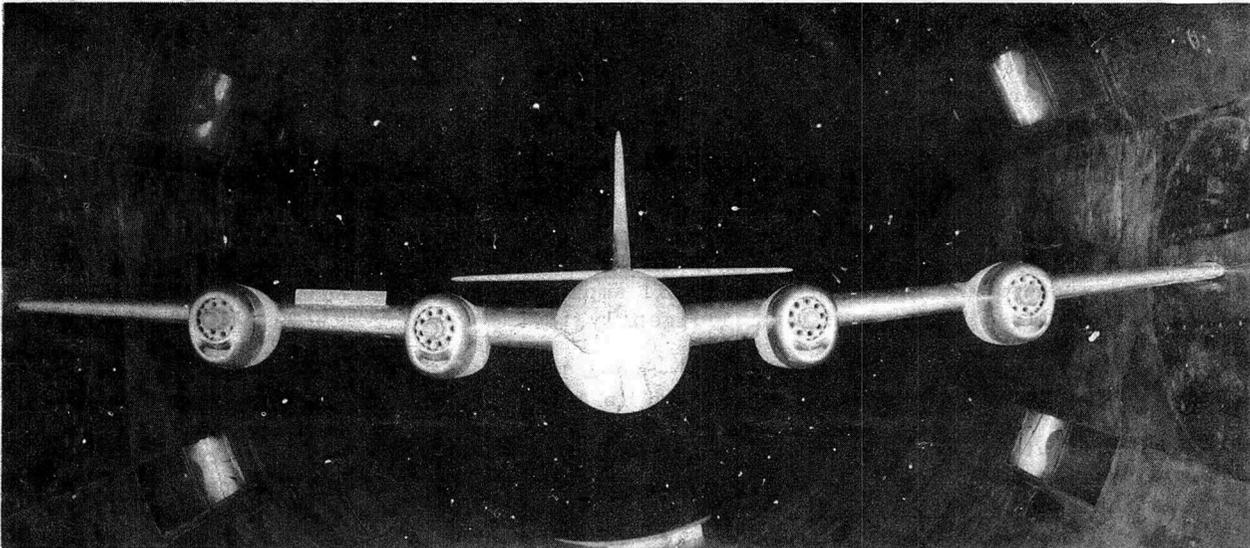
## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 27, Vol. 3

Langley Field, Virginia, June 24-30, 1944

Page 1

## JAPAN BOMBED BY B-29'S TESTED AT NACA



Model of Boeing B-29 Superfortress mounted for testing in 8-Foot High Speed Tunnel.

The giant B-29, the Boeing Superfortress, which filled the headlines of last week's newspapers with the story of its raid on the Japanese homeland is another of the army's top-flight warplanes which underwent early tests here at LMAL.

Early in 1942, a model of the XB-29 was set up in the eight foot high-speed tunnel for testing. The tests were completed in a relatively short time, and the technical report was written by John V. Becker and Donald D. Baals.

The late Eddie Allen, one of the world's foremost aeronautical engineers and test pilots wrote April 10, 1942 to thank the Laboratory for its part in the tests. His letter read, "The cooperation given.. in making possible the rapid development of the tests and the early availability of preliminary data has greatly en-

hanced the value of the tests and reduced the time required for their conduct and analysis, thus appreciably assisting in a material speed-up of operations." He added that he was "greatly impressed with the value of the eight foot high-speed wind tunnel as a design tool. The constancy of data obtained indicates the balance of this tunnel to be equivalent to any in this contractor's experience...The tunnel is operated by an experienced staff and this is in no small part greatly responsible for its satisfactory operation."

At the time that Allen wrote the letter, he was serving as Director of Flight and Aerodynamics, a position which he held with the Boeing Aircraft Company until his untimely death in a crash on February 18, 1943.

The Superfortress is de-

scribed briefly as the bomber which "flies farther, faster, and higher with a heavier bomb load." Its overall length is 98 feet, its wing span 141.2 feet, and the height of its vertical tail surface 27 feet. The fuselage is cylindrical in shape and the wing is mounted midway, in comparison with the high wing of the B-24 and the low wing of the B-17. The Superfortress has a tricycle landing gear with double wheels.

It is powered by four Wright Cyclone 18 cylinder radial engines, each with 2200 horsepower. The engines swing four bladed propellers which span 16-1/2 feet and are the largest in use.

The Superfortress is recognized as the most streamlined heavy bomber in existence. The drag is doubled when the landing gear is lowered.



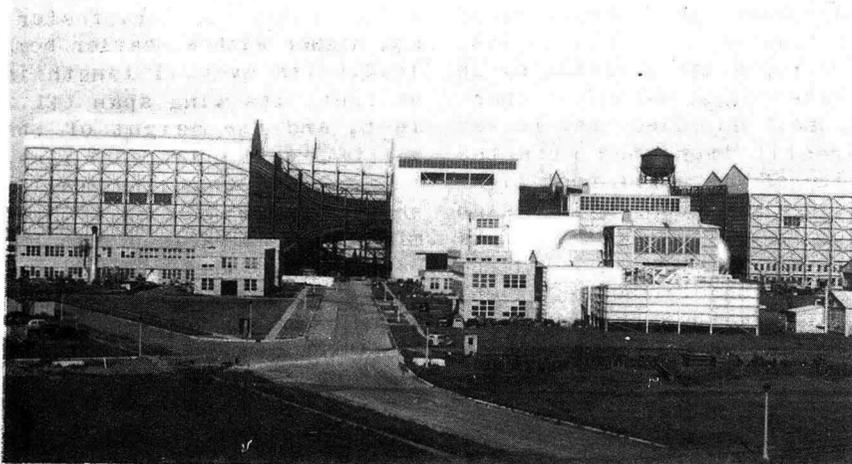
The LMAL Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor . . . . . Ruth E. Angel  
 Associate Editor . . . . . Audrey C. Lange  
 Reporters . . . . . LMAL Employees

*We Backed The Attack*

There is no one in the Laboratory who should feel that he or she did not have a part in the bombing of Japan. In the 8-Foot High-Speed Tunnel, where research tests were conducted on a model of the giant Boeing XB-29 in 1942, the engineers who assisted, the mechanics and modelmakers who did their share, the computers who worked up the data, the secretaries who typed and retyped the results, and the janitors and maids who kept the tunnel clean and suitable for work, all made their contribution for the final bombing of Japan. The reviewers of the report, the editors of the report, the typists, and members of the Photo Lab added their contribution. In the background are the Personnel workers who hired and placed all employees that contribute more directly but not more diligently to the war effort.

Not only these tests in the 8-Foot High-Speed Tunnel but also many previous and later tests conducted in the various other tunnels and theoretical work accomplished in still other sections contributed toward making the B-29 a true "Superfortress." Because of the many small and large factors at LMAL which made the bombing of Japan a reality, we can all feel our share in the triumph and thus put forth renewed effort into our work in order that more and more such missions may be possible.



Shown above is the Full Scale Tunnel at Ames Aeronautical Laboratory. This is the largest wind tunnel in the world.

**BUY MORE INVASION BONDS  
 YOUR STEAK IN THE FUTURE**

**MR. REID VISITS AMES**

H. J. E. Reid returned to the Laboratory early this week following a trip to the west coast for the dual purpose of attending the dedication of Ames Aeronautical Laboratory and conferring with the heads of all three laboratories and officials of the Washington Office.

Mr. Reid said that he was very favorably impressed with the dedication and that he particularly enjoyed the tour of inspection of the facilities of Ames. The ceremonies were held in the new auditorium which seats around 600 people. The cafeteria is located directly underneath the auditorium and he said that the two furnish an ideal combination for holding official and social functions. Mr. Reid also expressed a hope that a similar setup be obtained here sometime in the not too distant future.

While in California, he visited Stanford University and talked with Professor E.G. Reid, formerly of LMAL, who is conducting propeller investigations on a university contract with the committee.

Mr. Reid said that he also enjoyed the opportunity of seeing many former Laboratory employees now on the staff at AAL. He also saw Marion B. Seyffert and Robert N. Stewart, two Laboratory employees who were sent out to install the scales in the full-scale tunnel at Ames.

*ENGINE LAB DESIGNATED  
 AS UTILITY BUILDING*

The building formerly known as the Engine Research Laboratory has been designated the "Utility Building". This designation should be used in all official references to that building.

TELEPHONE NUMBER: Model Finishing Shop, located in west end of West Area Sheetmetal Shop, 219.

WANTED: Mast for Hampton I design. Contact John Houbolt at 216.

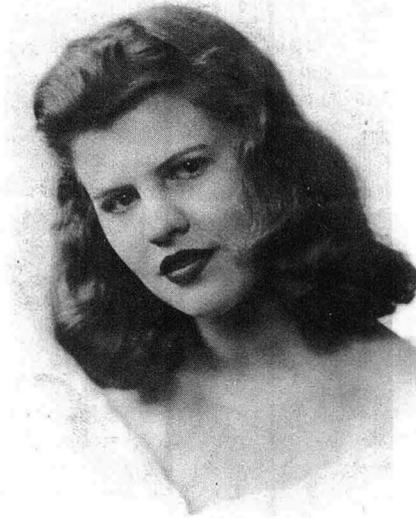
LOST: Plastic frame, brown leather case between Dynamic Model Shop and PX. Contact Edwin Cook, 217.



## LMAL BEAUTIES

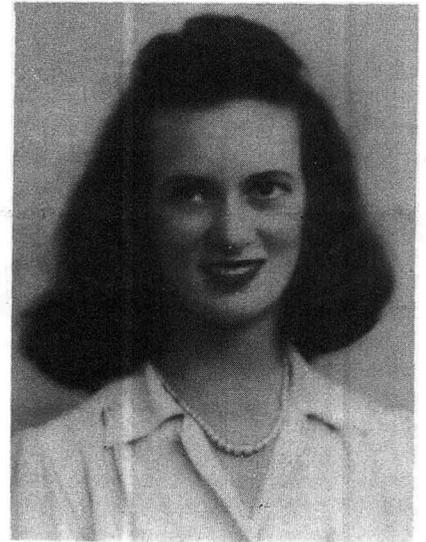
Shown on pages 3 and 4 are pictures of the 16 girls elected by members of the Laboratory for the Miss LMAL contest. In some cases the pictures used for the "Bulletin" will not be the same as those which will be sent away for the final judging.

Reading left to right, top row: Jean Allen, Files; Ruth Angel, Bulletin; Katie Banick, Leave. Second row: Audrey C. Lange, Bulletin; Dickie Creech, Messenger. Third row: Helen Hanks, Construction Purchase; Frances Leigh, Files; Mary Lou Mackie, Editorial Office.





Reading left to right, top row: Nancy McCarthy, Messenger; Viva Michels, P. Crain's Office; Ruth Miller, Editorial Office. Second row: Louise Neal, Leave; Marijean Saunders, Receptionist. Third row: Elizabeth Scott, Administrative Office; Letitia Smith, Duplicating; Mary Margaret Soper, Cost Office.



It is interesting to notice that 3 of the 16 winners work in the West Area, and the remaining 13 are distributed throughout the East Area as follows: 9 in the Administrative Building; 2 in the Technical Service Building, 1 in the Old Engine Lab, and 1 in the Full-Scale area.



## Girls' Softball

On Tuesday, June 20, one of the most exciting games of the season was played between Personnel and PRT. Frances Leigh pitched for Personnel and Doris Topping for PRT. At the end of the first of the last inning, PRT was leading by a score of 34-15; however, Personnel struck back in the last part of the last inning by defeating PRT by a final score of 35-34. Carlyle Moore was referee.

On Monday, June 19, AID walked all over 16-Foot by a score of 23-2. Jerry Crouch pitched for the winners; and Ferne Driver, who pitched for the losers, was the most outstanding player for 16-Foot. John Houbolt, Structures, was umpire.

16-Foot defeated Flight Research-Tank by a bare margin of 21-20 on Friday, June 16. Eleanor Johnson and Cynthia Lowe alternated as pitchers for FRT and Ferne Driver pitched for 16-Foot. Homeruns were made by Maxine Horne for the winners and Clara Christner for the losers. Sergeant Bill Grademan umpired.

On Thursday, June 15, Structures beat FGDA by a score of 16-9. Sybil Bateman pitched for Structures and Ginna Tucker for FGDA. Hank Fedziuk and Axel Mattson, re-knowned bachelors, were umpires.



## SPORTS



With a little more than a month to go, the following teams show promise of getting into the playoffs: East Area Shops, still undefeated with six victories to their credit; Structures and 19-Foot Pressure Tunnel, with six wins and one loss each; and Full Scale, with four wins and one defeat. PRT, off to a slow start, is starting to go places and is expected to keep pace with the leading teams from now on. AWT is another team to watch, being a constant threat at all times. Flight Research and 8-Foot High Speed round out the teams which still have a good chance to get into the playoffs.

All captains, representatives, and umpires are notified that a meeting of the Softball League will be held Tuesday night, June 27, at the Hampton Industrial USO. The meeting will begin promptly at 8 p.m., and each team is urged to have a representative present.

In a hard fought contest, Structures overcame a three run deficit to nose out AWT 5-4. Each pitcher permitted only five hits. Ray Comenzo, AWT, was the batting star, getting a triple and double in four trips to the plate.

Coming to bat in the eighth inning with the score against them, PRT tallied four runs to defeat 8-Foot High Speed 8-7. Sam Vollo, the winning pitcher, allowed eight hits, but struck out ten men while walking 8. Burly Baals was the losing pitcher.

East Area Shops took advantage of several blunders to beat Stability 4-1. Dale Burrows was the winning pitcher and Dick Everett twirled for the losers.

Flight Research and Engineering Section engaged in a hitting contest with FRD emerging on top 9-5. Fred Daum was credited with the win.

Low Turbulence put forth an effort in the sixth and seventh innings to overcome a 11-run lead piled up by 19-Foot, but fell short of the goal with a score of 15-14. In the last two innings, Low Turbulence scored ten runs.

### Softball Standings:

Pos.	Team	Won	Lost	Pct.	G.B.
1	East Area Shops (12)	6	0	1.000	-
2	Structures (8)	6	1	.857	1/2
2	19' Pressure (14)	6	1	.857	1/2
4	Full Scale (3)	4	1	.800	1-1/2
5	8' High Speed (4)	4	3	.577	2-1/2
5	AWT (6)	4	3	.577	2-1/2
5	PRT (10)	4	3	.577	2-1/2
5	Flight Research (13)	4	3	.577	2-1/2
9	Low Turbulence (7)	3	4	.429	3-1/2
10	Tank (5)	2	4	.333	4
11	Engineering (1)	2	5	.286	4-1/2
12	Instrument Research (9)	1	5	.167	5
13	Aircraft Loads (11)	0	6	.000	6
14	Stability (2)	0	7	.000	6-1/2

## The HARD WAY



ON THURSDAY MAY 18, 1944 AN EMPLOYEE WAS REMOVING RUST FROM ONE OF THE EXHAUST STACKS OF THE ELECTRIC GENERATING PLANT. HE WAS USING A PORTABLE DISC GRINDER AND WAS REALLY DOING A JOB! THE RUST AND SCALE WERE FLYING! IN FACT, IT FLEW IN HIS EYE!

HE WAS WEARING GOGGLES!

HE WAS GIVEN THE GOGGLES BY HIS SUPERVISOR AND WAS TOLD THAT THE GOGGLES, IF WORN PROPERLY, WOULD PROTECT HIS EYES.

HE WAS WEARING GOGGLES - BUT AROUND HIS NECK!

THE ACCIDENT COULD HAVE BEEN PREVENTED!!!

A mother takes twenty years to make a man of her boy, and another woman makes a fool of him in twenty minutes.

--Frost  
"The rapidly increasing divorce rate," remarked the

wit," indicates that America is indeed becoming the land of the free."

"Yes", replied the prosaic friend, "but the continued marriage rate suggests that it is still the home of the brave!"

# Life At The Laboratory

**HEIR MAIL:** Thomas Turney, AWT, is the proud father of a baby girl, Frances Dianne, born June 15 at Dixie Hospital... James Armentrout, 16-Foot Tunnel, is the father of twin boys, born Friday, June 16... Leonard Bartone, Structures, is the father of a daughter, Mary Lenore, born June 14... Friends at the Laboratory have received word that Pauline Wede, formerly of Structures, is the mother of a son, Jan Scott, born May 28.

**VISITORS:** Mary Ann and Joanna Bartoshesky, formerly of Files, visited the Laboratory last week... Private Kenneth Brown, formerly of L Purchase, visited the Lab while on furlough... Pearl Young, former head of Editorial Office and now of AERL, is visiting Kitty and U. T. Joyner.

**ILL WINDS:** Arvid Keith, PRT, is recuperating at his home in Durham, N. C. from a recent operation... Betty Bohannon, Library, is back at the Lab after undergoing treatment at the Dixie Hospital... East Model welcomes back Tommy King who has been out several months... Raymond Swafford is back at East Model after receiving a medical discharge from the Army due to a bullet wound received while in battle.

**PARTIES:** Nancy Wall and Phyllis Reitheimer, 16-Foot Tunnel, had a bridge party Wednesday night, June 14, for the computers. Marie Bird Allen was high scorer... Marilyn Lawlor, Payroll, had a family reunion last week-end when her two brothers and mother visited her. It was the first time they had all been together in three years... Cowling and Cooling had a beach party at Grand View on Sunday, June 18. Outstanding event of the day was Doc Rubert's mastery of the art of swimming with his glasses on and a cigar in his mouth... Dorothy Yates, Structures, entertained at a shower on Wednesday, June 21, for Bernice Wienbarger who is getting married in July... Shirley Riley, Ann Merfeld, Becky McBride, Earlene Cook, Edna Earl Wright, Margaret Farmer, and Mary Little celebrated their paper anniversary at the NACA when they all met at Shirley Riley's apartment on Friday night, June 16.

**VACATION RHAPSODY:** Mrs. Emma McSmith, Supervisor of Charwomen, is visiting her son at McKellar Field, Tenn. This is her first vacation in 27 years... Bob White, Dynamic Model, is visiting in Americus, Ga... Barbara Brown, Editorial Office, has returned from a combined vacation and conference at Chatham Hall, Chatham... John Boshar, ALD, has returned from a trip to Roanoke... Billie Bentley, East Machine, is visiting her home in Garrett, Ky... Ansal Neihouse, Stability Tunnel, is back after attending the wedding of his brother in N. Y... Tommy McGrath and James Danke, East Machine, are back after recruiting for several weeks... Emily Stevens, Stability Tunnel, is back after a visit to Roanoke... William Schryer, E. Machine, has returned from Salisbury, N. C... William Sperry, Construction, is visiting his home in Vermont... Mark Nichols, PRT, is visiting his home in Washington... Rosemary Bryant, PRT, is vacationing at her home in Spartanburg, S. C... Sally Mills, AWT, is spending a few days with her Army husband in Roanoke Rapids... Marvin Schuldenfrei, AWT, is visiting friends in Detroit... Evelyn Renfro, Engineering Section, is visiting her home in Norton... Bernard Maggin, Free Flight Tunnel, is visiting his home in Detroit... George McDougall, Spin Tunnel, has returned from Baltimore... Eileen Pake, FRD, is vacationing at her home in North Carolina... Willie Gates, FRD, has returned from a visit with her Army husband in Georgia... Dorothy Hall, Library, is visiting her husband in Dothan, Ala.

"What kinda guy is your roommate?" "oh, the perversity of inanimate objects."

"Well, last night he barked his shins on a chair and said, mate objects."

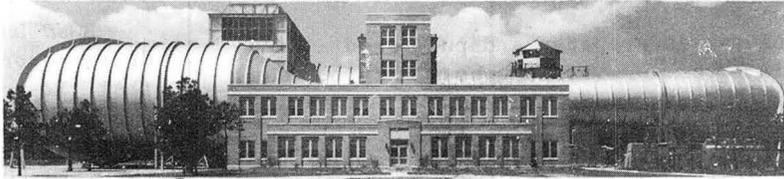
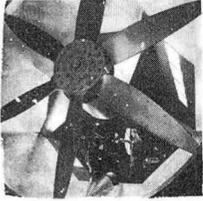
## Training for Workers

The Apprentice Training Plan of the Technical Service Department, now in its third year of operation, has graduated forty-six Apprentices as Journeymen in their trades. From its inception, the Apprentice Training Plan has greatly aided the Laboratory and the war effort through the training of employees to perform a wide range of skilled work required in various sections of the Laboratory. This plan, which provides for intensive training in ten different trades, was developed by the officials of NACA in conjunction with the Department of Labor and the Federal Committee on Apprenticeship. The State Department for Industrial Education for War Production Workers cooperated in training instructors and provided funds necessary for the operation of the related study program. The Apprentices selected to serve a trade are given a specified amount of experience in the various sections of the Laboratory as well as an intensive course in the theoretical aspects of their trade. New Apprentices receive credit for previous work experience when this previous experience is definitely reflected in the quality and quantity of the work produced by them. Before an employee can be selected as an Apprentice, he must have demonstrated above average ability during a two or three month orientation period.

The Apprentice Training Plan offers an excellent opportunity to unskilled employees to learn one of the following trades under the tutorship of skilled journeymen who work as shop instructors in the various shops: toolmaker, machinist, instrumentmaker, engineering design, draftsman, electrician (industrial), aviation metalsmith (experimental), aircraft woodworker, aircraft modelmaker, aircraft mechanic, and aeronautical laboratory technician.

For detailed information concerning the Apprentice Training Plan, call the Apprentice Administration.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 28, Vol. 3

Langley Field, Virginia, July 1-7, 1944

Page 1

### FIFTH WAR LOAN DRIVE

The Fifth War Loan Drive is well under way with \$62,392 of the \$83,056.21 total cash goal already bought. The Laboratory still has \$20,664.21 worth of cash sales to make before the goal set can be attained.

By allotment \$35,777.22 of savings bonds has been bought during June 1-15. There are three other pay periods in which allotments can be counted in this Fifth War Bond Drive. The total goal set, which includes cash sales and allotments, is \$219,106.39.

### DEMILLE TO BE JUDGE

Cecil B. deMille, well-known director of Paramount Pictures, Inc. for many years, will select the three winners in the Miss LMAL contest. The Bulletin received a letter of acceptance dated June 2, 1944, which read as follows:

"Mr. deMille is in receipt of your recent letter and will be happy to judge the contest sponsored by the BULLETIN staff of the Langley Memorial Aeronautical Laboratory.

"If you will send the photographs to Mr. deMille at the above address, he will make his selection and return them to you promptly."

Pictures of the Laboratory's sixteen winners will be sent off today in order that the contest may be closed as soon as possible. The Green Cow is working in conjunction with the Bulletin in deciding upon the method of announcement of the winners. As soon as plans have been completed, the Bulletin will print the story.

### COL. GREENE DESIGNER OF FIRST MODEL OF PRESSURIZED CABIN

The news that the B-29 Superfortress is the first military airplane in the world to be equipped with a pressurized cabin gave a certain feeling of pride to one officer at Langley Field--Col. Carl F. Greene, Materiel Command Liaison Officer at the Laboratory. Col. Greene was the man chiefly responsible for the award of the Collier Trophy to the Army Air Corps in 1938 for "having designed, constructed and completely equipped the XC-35 stratosphere plane, the first pressure cabin airplane to be flown successfully anywhere in the world."

In commenting on the news concerning the Superfortress, Col. Greene said, "Now that it is known that the B-29 incorporates the idea of a pressure cabin, it is possible to say that this development was foreseen and preliminary engineering was started by the Army Air Corps in 1935."

Until that time, nearly every attempt at higher altitude flying was characterized by great discomfort and danger and many resulted in tragedy or near tragedy. The names of Major Rudolph Schroeder, Lieut. John Macready, and Capt. Hawthorne Gray come into the story and the picture is one of frozen faces, dizziness, fainting, and death due to lack of oxygen.

It was obvious to Col. (then Major) Greene that if higher level operations were to be successful, it would be necessary to afford the per-



Pictured above is Col. Carl F. Greene

sonnel concerned with more efficient and trustworthy protection from the rarified atmosphere in which they would travel. He then set out to find the answer. He spent much time on his plans and then went to Lieut. Col. Oliver P. Echols, chief engineer at Wright Field, and laid his cards on the table. An Army appropriation was obtained and Maj. Greene went to work.

With the help of Dr. John E. Younger he worked out the idea of a supercharger that would force air into a sealed cabin and equalize the difference in inside and outside pressures. A year of intensive laboratory work followed. The large amount of practical and

(Continued on page 4)



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Editor . . . . . Ruth E. Angel  
Associate Editor . . . . . Audrey C. Lange  
Reporters . . . . . LMAL Employees

*How About A Ride?*

With the influx of new employees to the Laboratory and with the recent migration of many old employees from private homes to the new apartment establishments, there is a desperate need, a real demand for new rides. Drivers who used to live in Wythe have moved closer to Hampton and left their riders stranded. Riders who used to live in Wythe have moved closer to Hampton and been abandoned.

Let us try our best to feel that we are being beseeched, not commanded, to give the riderless a lift. Let us try to realize that we are helping ourselves as well as our riders. For years past, riders have been accustomed to paying their driver the equivalent of bus fare to and from work; they expect and are glad to do so.

The Transportation Office is a center through which the riding combinations can be formed. It is not its intention to demand that a driver ride any specified person; it merely offers suggestions to help both sides. On Tuesday, June 27, girls were posted at all gates not only to fulfill the request of the Transportation Commission in Richmond but also to see which cars had vacancies. If it was discovered that your car could be used to serve more, you will be requested to do so. The notes taken will not be considered check-up on drivers but rather a lead or a means for helping to form more satisfactory arrangements for drivers and passengers.

Let's get together, let's work together, let's ride together! The day will be more pleasant - there will be less tardiness, less resentment, less antagonism, and more appreciation. No one owes their complete cooperation, but let's give it, let's be Americans.

A fat man made a rush through the gate for the rear platform of a departing train. As he came back perspiring and frowning, the gateman said:

"Just missed her, eh?"

"Oh, no!" the exhausted one replied. "I was only chasing her out of the station."

"Conductor! Help me off the train."

"Sure."

"You see, I'm stout and I get off the train backwards; the porter thinks I'm getting on and gives me a shove on again. I'm five stations past my destination now."

WANTED: 1 crankshaft for Bunch "Tiger Aero" or Mighty Midget (1940 or later), also used "Tiger" or "Midget" engines. Contact Paul Marchal, Engineering Section, 251.

WANTED: Ride to work for four passengers on 8:15 shift from 334 Hampton Roads Avenue to vicinity of Hangar. Contact Clo Wood, FRD, 229.

FOR SALE: 1 Ohlsson "60" special; 1 Cannon "300"; 1 Atwood "Champion" with flywheel. Contact Paul Marchal, Engineering, 251.

WANTED: Sail for Moth boat. Contact Harry Hamilton, Photo Lab, 259.

*Cleveland Clippings*

**BOND DRIVE:** The first bond drive reports at AERL indicate that the campaign is off to a good start. Already the Icing Research Division is over the top with 16 per cent more than its quota subscribed, and so far only half of its personnel has signed up.

**BLOOD DONORS:** With the goal set at 500, over 100 persons have already signed up to give blood when the Red Cross mobile unit makes its sixth visit to AERL.

**HIGH SPEED CAMERA:** A pre-war development by Cearcy D. Miller of the Combustion Photographs Section in the Fuels and Lubricants Division was a camera capable of taking pictures at the rate of 40,000 a second. Mr. Miller began the development of a high-speed camera when a Japanese camera known as the Suhara was given to him for modification. The Suhara operated at about 40,000 frames per second, but produced very small blurred pictures. Assisting Mr. Miller in further developments in high-speed photography are Mr. H. L. Olsen, Dr. Richard P. Krebs, and others.

**BLOOD DONORS**

Norman S. Silsby, FRD, to emergency case at Dixie Hospital on June 26.

Leo Diesentruck, Full Scale Analysis, to emergency case at Dixie Hospital on June 26.

Joseph Walker, Full Scale Tunnel, to emergency case at Dixie Hospital on June 26.

**USO NEWS**

This week's program at the Hampton Industrial USO will begin on Sunday, July 2 with open house. The bridge club will meet at 8 p.m. on Monday, July 3, and on Tuesday, July 4, the American Legion will meet. The USO Mimes will meet at 7 p.m. on Wednesday, July 5. The movie "Larceny With Music" will feature the Thursday, July 6, calendar. Open house will be held on Friday and Saturday nights.

# Service Notes...

David Crump writes from Columbus, Ohio to say, "No flyer could intelligently say that he isn't acquainted with NACA. Frequently I see and use things which make our flying safer which I know came through LMAL. . . . At my last post (Stewart Field) I was graduated from flying school as a Second Lieutenant and received my wings. Now I'm at LAAB for B-17 transitional training! David's address is: Student Officer Headquarters. Lockbourne AAB, Columbus 17, Ohio.

Robert Hill writes from Chickasha, Oklahoma to say, "If time permitted, I'd tell you about flying school, but they keep us jumping, so all I can say is it's a great life,

and I'm just itching to get a chance to fly some of the planes that NACA is helping to develop." Robert's address is: Class 44-K, Bar. A4B, 2540 A.A.F.B.U., C.P.S. (Pilot), Chickasha, Oklahoma.

Edward Janov, formerly of the 24-Inch High-Speed Tunnel and East Machine Shop, writes, "At the present time I am in the Pacific area. I have been looking for direct results of NACA work that I witnessed while at the Laboratory, and I have noticed a great number of them." Ed writes that he would appreciate any letters from old friends. His address is: C.B.M.V. 562-5, Navy #24, c/o Fleet Post Office, San Francisco, California.

## BOYS' SOFTBALL SCHEDULE CHANGED

Last week Instrument Research nosed out Low Turbulence 4-3 in a 9-inning overtime affair. Ray Hansen gave up nine hits for IRD while Carl Cecil, losing pitcher, gave up 13 hits.

East Area Shops emerged victorious over 8-Foot High-Speed 9-6 in a game marked by loose pitching. Cliff Link, on the mound for East Area Shops, gave up five hits, struck out six, and walked eight men, while Burlly Balls was pounded for twelve hits in losing his fourth game of the season.

Fred Daum, pitcher for FRD, gave up only three hits and his team went on to shut out Full Scale 8-0. Full Scale committed nine errors in losing its second game of the season. Roy Lange was the losing pitcher.

With Al Martino allowing only two hits and striking out nine batters, 19-Foot Pressure Tunnel defeated Structures 8-2. Si Diskin, pitcher for Structures, lost his second game of the season.

Stability finally came through to win their first game of season when they defeated Engineering Section 7-6. Marvin Pitkin, used as a door mat by the opponents, made five home plays. Dick Everett was the winning pitcher.

As a consequence of an ever broadening recreational and athletic program sponsored by the City of Hampton and Elizabeth City County, the USO-NACA Softball League has been requested to relinquish one of the diamonds now used at the Darling Stadium so that other municipal adult organizations might benefit from its use. This action necessitates a revision in the league schedule. Each team and its members is asked to cooperate fully in carrying out the new schedule.

The schedule for the week of July 3 is as follows: Monday, AID versus IRD; Tuesday, EAS versus Structures; Wednesday, FRD versus LTD; Thursday, 19-Foot versus PRT; and Friday, EAS versus Full Scale. For the week of July 10: Monday, Engineering versus AWT; Tuesday, Stability versus Tank; Wednesday, Full Scale versus EAS; Thursday, PRT versus EAS; and Friday, IRD versus FRD.

The revised schedule for the remainder of the season will be printed in next week's issue of the Bulletin. All games will be played on diamond one, and all postponed games must be played on Sundays.

## RUSSIAN WAR RELIEF

Sixty kit cartons have been filled by employees for the Russian War Relief. Some of these kits have been financed here but packed by volunteer organizations in Washington. The others, which were financed and packed here, have already been forwarded to New York and the senders are eagerly awaiting answers of appreciation in genuine Russian.

## Girls' Softball

Only one game was played last week in the girl's softball league. PRT defeated Structures 12-7. Bernice Weinbarger, Structures, made the only home run of the game. Doris Topping was the winning pitcher and Sybil Bateman, the losing pitcher.

### STANDINGS:

Team	Won	Lost	Aver.
AID	4	1	.800
Structures	4	1	.800
AWT	3	1	.750
FRD & Tank	2	2	.500
Personnel	2	3	.400
8'-FGDA-TDT	1	3	.250
16'	1	3	.250
PRT	1	4	.200

## Boys' Standings

Team	Won	Lost	Pct.
EAS	7	0	1.000
19' PT	7	1	.875
Struc.	6	2	.750
F. Scale	5	2	.714
Flight R.	5	2	.625
AWT	4	3	.571
PRT	4	3	.571
8' HS	4	4	.500
Tank	3	5	.375
LTD	3	5	.375
IRD	3	5	.375
Eng. Sec.	2	6	.250
Stab.	1	7	.125
AID	0	8	.000

## INTER-OFFICE MEMORANDUMS

Clyde Lumpkin, head of Office Services, has announced that the new "Inter-Office Memorandum" blanks are available from the Duplicating Office. These blanks are to be used in as many cases as possible to avoid phone calls.

FOR SALE: One set of golf clubs. Contact Harry Hamilton, Photo Lab, 259.

# LIFE AT THE LABORATORY

**WEDDING BELLS:** Meale Marshall, AWT, was married June 24 to Wallace Wingfield in Hampton. On Wednesday night, Winnie McLean entertained at a miscellaneous shower for her....Oleta Church, Becky Boykin, Margaret Farmer, and Sarah Whitley have returned from Cerro Gordo, N. C., where they attended the wedding of Marjorie Bullock, formerly of AWT, to Bruce Jollie of Mullins, S. C. Oleta was maid-of-honor....Vernon Ward, 16-Foot Tunnel, married his home town girl on Sunday, June 25....Bernice Weinbarger, Structures, and George Stacey, Electrical, will be married today.

**HEIR MAIL:** Gerald Brewer, Full Scale Tunnel, became the father of a son on Monday, June 26....Joe Getsug, Electrical Office, is the father of a daughter, Judith Leigh, born Tuesday, June 20.

**ILL WINDS:** Mary Lou Mackie, Editorial Office, is at her home in Gastonia, N. C. recuperating from a recent appendectomy....Annette Coope, Engineering Section, recently underwent an appendectomy....Kent Horton, Project Engineering, is recuperating from a tonsillectomy....Betty Harper, FRD, is recuperating from a recent operation at her home in Rocky Mount, N. C.

**PARTIES:** The Duplicating Office threw a super Beach Party at the home of Betty Rodman and Mickie Kammer Monday evening, June 26. Hot dogs, potato salad, and an exciting baseball game, umpired by Clyde Lumpkin, were the highlights of the evening....Kitty and

Upton Joyner entertained at a party for Pearl Young, AERL, on Wednesday, June 21....16-Foot Tunnel had a beach party at Grand View on Friday night, June 23. Several persons were thrown into the water and others were forced to sit in buckets of ice....The computers of Structures had a farewell party for Emily Rivers on Thursday night, June 29, at the apartment of Shirley Riley....FGDA had a get together at Virginia Beach, Sunday, June 25.. .Stability Analysis had a party Saturday night, June 24, at the home of Bob Jones.... Betty Ludwig, FRD, had a farewell party Saturday night, June 24, for Charles Liddell, FRD, who left Tuesday for the Navy...The Tank had a beach party at Yorktown on Sunday, June 25.

**ENGAGED:** Marjorie Luke, Employment, and Ira Ramsey, Project Engineering, became engaged last Wednesday, June 21. No definite plans have been made.

**MISCELLANY:** Ted Bloomer, FRD, has left the Laboratory to become one of the boys in Navy blue...Harold Downes has left Structures to become an Ensign in Uncle Sam's Navy. Electrical Office welcomes back Elaine Taylor who has been away several months with her Army husband who has been on detached service in Savannah, Ga....Eileen Schwartz, Stenographic Section, and her soldier husband are visiting their home in Baltimore.

**VISITORS:** Virginia Lee Brightwell of AERL visited Structures Laboratory, where she used to work, on Thursday, June 22.

## COL. GREENE

From page 1

theoretical data thus collected was incorporated into the XC-35 airplane which was built at the Lockheed plant on the west coast. Final details were worked out during the completion of the airplane and by the middle of the summer of 1937 it was ready for acceptance flights.

Capt. Alfred Johnson was selected as pilot and with Maj. Greene and four crew members in the sealed cabin they took off. They carried a row of oxygen tubes--just in case. The airplane climbed to 12,000 feet and then the superchargers were turned on. No oxygen was necessary. They went on to 28,000 feet, where ordinarily the need for oxygen would have been serious, and they still had not touched their supply. The airplane descended and completed the first successful

stratosphere flight which had been made without the use of oxygen. There were no frozen faces, no dizziness, no fainting, no death. The occupants felt as though they had been on a routine flight.

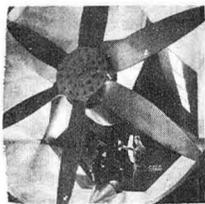
The Army made the data on this aircraft and the results of its tests available to the aircraft companies and Maj. Greene's work on the project was finished. Then came the Collier Trophy which is awarded each year for the most significant advancement in aviation. Cited along with Maj. Greene were Lieut. Col. Oliver P. Echols, now Major Gen. Echols, Deputy Chief of Staff, Materials, Maintenance, and Distribution, AAF, and member of the NACA: Capt. Alfred H. Johnson, now Col. Johnson, District Supervisor for Central Procurement Division, AAF; and Dr. John E. Younger, now head of the department of Mechanical

Engineering at the University of Maryland.

Sometime after its tests were completed, the XC-35 was sent to LMAI where its pressure cabin proved very valuable for the high altitude flying necessary in studying atmospheric conditions and the effects of gusts during thunderstorms.

Col. Greene has been at his present station since 1939. He and his wife are mighty proud of their "all service" family. Their two daughters are married to Army men. One, Lieut. Col. James C. Jeffries, is in anti-aircraft, and the other, Lieut. Col. Harry M. Pike, was a fighter pilot in China and now is believed to be in Japanese hands. Their only son, Bill, graduated from Wdst Point in the class of 1943; and is a Lieutenant in the AAF, flying an A-20 (Douglas Havoc) "somewhere in England."

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 29, Vol. 3

Langley Field, Virginia, July 8-14, 1944

Page 1

# BOND SALES MAY REACH QUARTER MILLION MARK

## Cash Sales Nearly \$90,000; Truscott Commends Workers

Continuing the record set in previous drives, the Laboratory's Invasion Load Campaign has been assured of going over the top, with cash sales totalling \$89,680.75 Thursday noon. This amount represents \$6,224.54 over the cash quota.

The total quota for the drive was set at \$219,106.39 which equals 40 percent of the April payroll of the Laboratory. Of this amount, \$136,054.18 was expected to be raised by payroll allotments during June and July; however, allotments for June totalled \$72,837.33. If payroll allotments for July rise like they should and cash sales continue, there is a good possibility that the grand total may reach a quarter of a million dollars.

This would be the largest amount ever raised at the Laboratory in any War Loan campaign. In September, 1943, through cash sales and allotments. During the Fourth War Loan, which was conducted during January and February of a total of \$159,754 was raised

(Continued on page 4)

Dave Ullman of the Photo Lab thinks that he has found the perfect solution for folks who couldn't afford to buy a cash bond during the Invasion Load Drive.

"Buy stamps", says Dave. "Use your small change from day to day and by the time the next drive comes around you'll have a large part of a bond already paid for."

Dave's idea is not new - the Treasury Department has been advocating it for a long time - but his way of going about it is. He is financing his scheme out of his own pocket and in three days he sold \$40 worth of stamps to the folks in the Reproduction Section.



Above is the committee which has guided the Invasion Loan Campaign at the Laboratory. They are, left to right, Percy Crain, Ira H. Abbott, Joe Kotanchik, and chairman Starr Truscott.



Among the unsung heroines of the drive are the staff of the cash bond office. The girls who have issued and delivered all bonds are, left to right, Kitty Parker, Lucette Biver, Mildred Waters, and Margarette Rogers.



The LMAI Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, Room 201, Administration Building, telephone 376.

Editor . . . . . Tiny Hutton  
 Managing Editor. . . . . Ruth E. Angel  
 Associate Editor . . . . . Audrey C. Lange  
 Sports . . . . . Si Diskin  
 Reporters. . . . . LMAI Employees

*PLAY ON THE WINNING TEAM*

*For a considerable time, the NACA led all government agencies having over 90 percent employee participation and more than 10 percent of gross pay allotted for bond purchases through the payroll plan. In November of last year, the combined laboratories and the Washington office had 95 percent of the employees subscribing 12 percent of their pay. LMAI had 97.5 percent putting 13.7 percent aside, leading all others.*

*Then, some new employees felt that they could not afford to subscribe to bonds and some old employees felt that they had to cut down or cancel their allotments. As a first result the NACA dropped to a lower place in the honor group of government agencies. Now, we have dropped out entirely. The figures read 88.9 percent of the employees and 10.98 percent of pay.*

*Now is the time to do something about it! It's easy to understand that there are additional expenses that keep some of us from buying to the extent that we would like, but are they such that they would keep us from subscribing the minimum amount, \$3.75 each pay day?*

*The virtues of bond buying to hasten victory and to side-track inflation have already been extolled. There is another that should be considered, organizational pride--the idea of playing on a winning team. Now is the time for a concerted effort to restore the NACA to our rightful place in whatever we undertake--at the top!*

*POLICY OF THE BULLETIN*

The first issue of the LMAI Bulletin appeared on November 30, 1942 with J. P. Doyle, Jr. as Editor-in-Chief and with five active associate editors and one advisor. Since its beginning, editors have changed and the original policy has been slightly altered. With the introduction of a fourth editor, Tiny Hutton, formerly of Personnel Services, it seems fitting to state the policy of the Bulletin and to review its purpose.

The LMAI Bulletin is designed to be an official expression of management. In this capacity, it seeks to circularize information relative to policy, regulations,

and official announcements and to promote good relations between employees and management, among employees, and between the public, outside agencies and LMAI. The Bulletin is concerned with fostering good standards, educational and avocational interests and other matters affecting employee welfare and the efficient carrying out of LMAI objectives. Moreover, there shall be included topics of current interest, news of Laboratory recreational and social activities, and announcements of local activities in which LMAI employees participate that are of interest to a large group of employees.

## SEVERAL EMPLOYEES PLACE IN REGATTA

The Hampton Yacht Club's 16th annual Regatta was held over the week-end of July 1-2 in three series, Saturday afternoon, Sunday morning, and Saturday afternoon. Several of the Laboratory's employees entered their boats in the various classes of the contest and a few placed.

In the Handicap class, which continued through Saturday and Sunday, John Becker, 16-Foot, won first place in his Cape Cod Knockabout, which is still unnamed; and Hank Fedziuk came in third in his Battery Park Knockabout, "Angus". Pat Chiarito, Structures, entered the race, but because of an unfortunate accident on Sunday morning could not finish the series; Jim Lindell, East Sheetmetal Shop, also entered his craft, "Perch", in the race.

In the Snipe class Don Reisert, Aircraft Loads, won second place with his boat, "Foam". There were several entries in the Hampton-One Design class, but no LMAI winners. Bunny Klawans, Flight Research, and John Houbolt, Structures, entered "Promise"; Jack Runkel, 16-Foot, entered "8-Ball"; "Hack" Wilson, Full Scale, entered his unnamed craft; and Clo Wood, Flight Research, entered "Jamaica". "Toots" Prospere entered his "Valhalla" in the cruising class race on Sunday.

In a special race held on Sunday, "My Lady", owned and sailed by Paul Hill, Physical Research, and Ray Hanson, Instrument Research, which won the Free-For-All race last summer, easily outclassed the outside-owned "Rinda".

### Manual Ready

Now available to employees is a Trainee's Manual designed as a guide and reference book for the use of typist and stenographers in the preparation of all typed material. This manual may be obtained from Lucy Bainbridge, Stenographic Section.



# SPORTS



## Girls' Softball

The 19-Foot Pressure Tunnel assumed the leadership of the softball league by virtue of their victory over IRD 10-1, while East Area Shops dropped from top when they were defeated by AWT 4-3.

Al Martina's 3-hit pitching, including twelve strikeouts, was the highlight of the 19-Foot-IRD game. Al Budde saved IRD from a shut-out by smacking out a home run in the seventh inning. Ray Hansen was the losing pitcher; and Owen Deters, Pat Cancro, and Bob Neely were the outstanding batters for 19-Foot.

Cliff Link's wild pitching in the first inning cost East Area Shops their game with AWT. Jim Scrivens' timely single with the bases loaded was the deciding factor. Link settled down after the first inning and allowed only two more hits during the rest of the game. East Area Shops made a desperate attempt in the waning innings to overcome the early lead but failed. Their eight hits, gathered off Scriven, proved to be worthless.

With PRT leading 1-0 in the fourth inning, Structures finally found the range in the fifth and made six runs and five hits off Sam Vollo and added two more runs in the sixth inning for good measure. The final score was Structures 8, PRT 1, Si Diskin was thw winning hurler. Walter Woods and Johnny Neff were outstanding batters for Structures.

An upset was scored last week when Tank set Flight Research back on its heels by a score of 7-0. Charlie Daniels, on the mound for Tank, allowed but two hits and was ably assisted by his teammates both on the field and at bat. With George Jarvis and Bob Dunham setting the pace, the Tank team collected ten hits off the slants of Fred Daum. The fielding was ragged on the part of both teams. Two fast double plays by the Tank contributed to the win.

With the score tied 1-1 at the beginning of the fifth inning, LTD went on to collect five runs in the fifth and one in the seventh to defeat AID 7-1. Bill Aiken, pitcher for AID, issued five bases on balls and was relieved by Dwight Fearnow who issued two more. Carl Cecil was the winning pitcher.

Rain forced a postponement of both the 8-Foot High Speed-Engineering game, and the Full Scale-Stability game.

### Softball Standings:

Pos.	Team	Won	Lost	Pct.	G.B.
1	19' PT	8	1	.889	-
2	EAS	7	1	.875	1/2
3	Structures	7	2	.778	1
4	Full-Scale	5	2	.714	2
5	AWT	5	3	.625	2 1/2
6	Flight Research	5	4	.555	3
7	8' HS	4	4	.500	3 1/2
7	PRT	4	4	.500	3 1/2
9	Tank	4	5	.444	4
10	LTD	3	5	.375	4 1/2
11	IRD	3	6	.333	5
12	Eng. Sec.	2	7	.222	6
13	Stability	1	7	.125	6 1/2
14	ALD	0	8	.000	7 1/2

A big upset in the Girls' Softball League took place on Wednesday, June 28, when PRT defeated Structures by a score of 12-7. Sybil Bateman pitched for the losers and Doris Topping for the winners. Bernice Weinbarger made a home-run for Structures.

The Flight Research and Tank team, now aided by representatives from the East Machine Shop, was defeated by Personnel on Thursday, June 19, by the bare margin of 15-13.

On Friday, June 30, FGDA was completely mowed under by Aircraft Loads, the final score being 18-0. Ginna Tucker, FGDA, and Jerry Crouch, Loads, were the two pitchers.

AWT rang out a telling victory over 16-Foot on Wednesday, July 5, defeating them by a score of 16-3. Margaret Farmer pitched for the winners, and Fern Driver for the losers.

The standings for the Girls' Softball League are as follows:

Team	W.	L.	Ave.
AID	5	1	.833
AWT	4	1	.800
Struc.	4	2	.666
Pers.	3	3	.500
FRD-Tank-			
E. Mach.	2	3	.400
PRT	2	4	.333
16-Foot	1	4	.200
8-Foot-TDT-			
FGDA	1	4	.200

The Girls' softball schedule has been changed from the original and is as follows:

Date	Team	Place
July 10	3 & 6	Shellbank
July 11	5 & 8	Armstrong
July 13	2 & 7	Shellbank
July 14	1 & 6	Armstrong
July 17	3 & 4	Shellbank
July 18	1 & 2	Shellbank
July 19	6 & 7	Armstrong
July 21	5 & 4	Armstrong
July 24	1 & 3	Shellbank
July 25	2 & 5	Armstrong
July 26	8 & 6	Armstrong
July 27	4 & 7	Shellbank
July 28	W.A.C.	Armstrong

The numbers represent the following teams: 1) Flight Research-Tank-E. Machine Shop, 2) FGDA, 3) PRT, 4) 16-Foot, 5) Structures, 6) AWT, 7) Personnel, and 8) Aircraft Loads.

**BUY MORE INVASION BONDS**

## Rights Of Former Federal Employees

Listed below are the questions and answers in the third series of information in regard to the rights of former Federal employees returning from military service, and the obligations of the Federal Government as an employer.

*QUESTION 4: Who has the obligation of restoring the returning veteran to employment with all the rights to which he is entitled?*

Except where certain special conditions exist (see question 5), the department or agency in which the veteran has reemployment rights. Each department and agency must discharge this obligation, giving, in the words of the President, "full weight to the spirit and intent back of section 8 (A) of the Selective Training and Service Act." The department or agency has this obligation even though--

(a) The functions of the veteran's old organizational unit have been transferred to another constituent organization or unit of his department or agency, or

(b) His old organizational unit, together with its functions, has been abolished.

NOTE: With respect to (a) the decision as to whether the veteran should be restored to a position with the constituent organization to which the functions of his old unit were transferred, or whether he should be restored to the unit in which he was serving at the time of his entrance into the armed forces, if this unit is still in existence, rests ad-

## TENNIS NEWS

The NACA tennis club will hold a tournament on Sunday afternoon, July 9, starting at 2 p.m. Prizes of tennis balls will be awarded to the winners of the men's and ladies' events. The elimination matches will consist of single sets so that the winners may be decided on the same day.

The tournament will be held at the NACA courts, located on Fox Hill Road.

ministratively with the department or agency.

*QUESTION 5: Who has the obligation of restoring the returning veteran to employment, with all the rights to which he is entitled, under each of the conditions indicated below?*

(a) His agency has been abolished, and its functions have been transferred to an existing or successor department or agency.

The department or agency which has taken over the functions.

(b) His agency has been absorbed into, or merged with, another department or agency.

The department or agency which has absorbed his old agency, or which has resulted from the merger.

(c) His agency has been abolished, and all or a part of its functions have been transferred to different departments and agencies.

The department or agency which has taken over the functions of the organizational unit in which he was employed, or the duties performed by the employee in his former position.

(d) His department or agency, together with its functions, has been abolished.

The Federal Government, under the terms of the Selective Training and Service Act. His name will be entered on the Civil Service Commission's reemployment list, and the Commission will exert every possible effort to place him in an appropriate position in another department or agency.

## Bond

From page 1  
this year, the total was \$186,354.

Starr Truscott, chairman of the Laboratory's campaign game all credit to the individual solicitors who have worked "unselfishly and unceasingly" throughout the entire campaign. He added, "I only hope they won't stop now; but I know they won't." Truscott also gave praise to his three area chairmen, Joe Kotanchik, Ira H. Abbott and Percy Crain.

Page 4

## American War Planes Described By Mingos

According to the 1944 edition of "The Aircraft Year Book", edited by Howard Mingos, it was revealed in the New York Times that, "the United States has five fighter planes capable of speed above 400 miles an hour, while England has only three, Germany two, and Japan none". In every other category of combat aircraft, similar American superiorities have been shown.

The American fighters capable of more than 400 miles an hour are the Lockheed Lightning, Republic Thunderbolt, Grumman Hellcat, Vought Corsair, and North American Mustang, all of which have been tested at LMAL. These, with the British Spitfire, says Mr. Mingos, have outfought both German and Japanese planes under all conditions.

Mr. Mingos states that no enemy bomber has approached the range, bomb capacity, accuracy, and defensive power of our Boeing B-29's and B-17's, and of the Consolidated B-24's. Neither are there any German or Japanese twin-engine bombers in any degree comparable to the North American Mitchell, Martin Marauder, Douglas Havoc, Lockheed Ventura, and the British Mosquito.

The Year Book attributes the continuous improvement in our planes' combat performance to continuous refinement of detail rather than to any major advances.

Mr. Mingos describes the laminar flow wing, which comes from the huge wind tunnels of the National Advisory Committee for Aeronautics at Langley Field, as the most important development in its field since the Wright brothers invented the airplane. And from hundreds of drafting boards and machine shops throughout the industry have come minute changes in design which have added to the speed of our planes.

CONDOLENCES: To Eloise Lada, Apprentice Administration, on the death of her mother on Sunday, July 2, in Grafton, West Virginia.

# LIFE AT THE LABORATORY

**HEIR MAIL:** Bill and Mary Jean Thompson, ex-Personnel, are mighty proud parents of William Allen Thompson, Jr. born Sunday, July 2, at 6:30 p.m....Albert Willis, Construction, is the proud papa of seven pounds of man born Friday, June 30....J. Bennett, Construction, last week passed out cigars in honor of his new daughter, Elizabeth....Edwin Moggio, Structures, became the father of a son, Edwin Moggio, II, on June 29....Irwen Naiman is the proud papa of a daughter, Heidi Carlene, born June 21.

**ILL WINDS:** Glenda Ellison, Report Typist, is nursing a case of chicken pox at home in Kecoughtan Court...Elsie Parker, Stenographic, is recovering from a recent tonsillectomy.... Bill Craig, Recruiting Office, was injured in an automobile accident Saturday, July 1.... Mary Little, TDT, will temporarily retire from the Lab for a two-month rest cure.... Dorothy Crook, Full Scale, recently underwent an operation at her home in Cameron, S. C.... Chuch Bennett, Free-Flight Tunnel, received a rather serious knee injury in a softball game Friday, June 30....W.R.P. Wilson, AWT, is at his home in Springfield, S.C. on a rest cure. ...Mary Thurston, Construction, is leaving the Laboratory for a two-month rest cure.

**FAREWELL:** J. William Scott, Electrical Shop, has left the Lab to enter the armed forces. The section had a large farewell party for Bill Saturday night, July 1.... Margaret Slack, TDT, is leaving the Lab soon. The computers of TDT and FGDA had a farewell dinner party for her Friday, June 30, at the home of Elizabeth Patterson...Ralph Avakian, 19-Foot, has been transferred to AERI in Cleveland...Larry Fogarty, 19-Foot, and Charles Liddell, Flight Research, left Tuesday, June 27, to enter the Navy....Julia Woodbridge, Loads, has left the Lab to study navigation at the University of Virginia.

**WELCOME BACK:** "Stormy" Hanson, Stocks, after a tour of duty in Washington...W.L. Wilson, Electrical Shop, after recovery from a knee injury.

**PARTIES:** Carrie Love, Personnel Services,

## CAFETERIA OPENS

### AT ANNE WYTHE HALL

The long awaited cafeteria at Anne Wythe Hall has at last become a reality.

Located on Bay Avenue, adjacent to the dormitories, the eating establishment opened its doors on June 25. It will remain open daily from 5 a.m. to 1 a.m. Any persons living in the vicinity may eat there, but first consideration will be given to dormitory residents.

**RIDE WANTED:** To Charlotte, N. C. for week-end of July 14 by Dot Severance, Reproduction.

**LOST:** Waterman's fountain pen, mottled red and black, engraved with owner's name. If found, notify Einar Lundquixt at 216.

**LOST:** Four electric heaters, 2 reflector type and 2 blower type. Inventory Nos. 8620, 13362, 13829, and 13830. If found, please contact Electric Office.

had a house party at her in-laws' farm home over the week-end of July 1-2. Among the guests were: Nancy Shelton, Ruth Angel, Louise Mizell, and Phyllis Gabrio, Personnel Services; Kay Desander, Madeline Harrison, and Frances Leigh, Files...Free-Flight Tunnel had a picnic at Virginia Beach Sunday, July 2, as did a group from AWT...West Machine Shop had a surprise party at Grand View on Sunday, July 2, for M. B. Seyffert and Bob Stewart on their return from Ames Lab at Moffett Field, Calif. Soft drinks, hot dogs, and games were the highlights.

**ROMANCES:** Frank Liberatore, Instrument Calibration, wed his hometown gal July 4 in Morgantown, West Virginia....The wedding of Hal Sweberg, Full Scale, to Tony Berger took place on Sunday, June 25, in New York City. The couple will make their home in South Hampton Apts....Jean Poythress, Engineering Section, will marry Clinton E. Brown, Supersonic Tunnel, on July 12 at Rutgers Presbyterian Church in New York City...Paul Hinski, Construction, recently married his hometown gal in Minneapolis....Scotty Wallace, East Machine Shop, wed Lavinia A. Hewers in the First Presbyterian Church of Newport News on June 24....Francis Driesbach, IRL, is engaged to Genevieve A. Krimm of Richmond. The wedding will take place in the fall....Latest Scoop: Barbara Huffman, Personnel, is wearing a frat pin belonging to Jack Runckel, 16-Foot.

**MISCELLANEOUS:** A new club, Royal Order of Hot Buddies, has been formed and consists of 12 members who will plan activities for IRL. George Evalenko is President, and Thomas Carpini is Secretary-Treasurer....The new officers of the Structures Club are John Houbolt, President; Pat Chiarito, Vice-President; Lilliebelle Evans, Secretary; and Marjorie Turner, Treasurer....John Houbolt, Structures, and Bunny Klawans, Flight Research, had a complete launching of their craft Sunday, July 2. Rumor has it that the sails just dried out completely...Peggy Urrutia, Stocks, and her husband are vacationing in Pennsylvania before his induction into the Navy.

## classified

**LOST:** Numbering machine. Inventory No. 7708. Please return to Duplicating Office.

**WANTED:** An electric refrigerator - preferable larger than 6 cu. ft. Contact any resident of Club 55 or call 3156.

**WANTED TO BUY:** A station wagon. Contact Harold Brilymer, 216.

**LOST:** Howe Platform Scale, No. 19926. If found, please contact Full-Scale Tunnel.

## GREEN COW HAS COLORFUL PAST

One of the first names that a new employee hears mentioned in connection with social functions at the Laboratory is that of the Noble Order of the Green Cow. He soon finds out what the organization does when he attends one of their dances at the Hampton Armory, but it is seldom that he ever learns anything about its fascinating background.

One of the best sources of the lighter side of Laboratory history is Clyde Lumpkin, Chief of the Office Services Division. According to Clyde, much of its early history has been "lost in antiquity" but he can still manage to lean back in his chair and relax for a moment to recall some particular aspect in the dim past of the noble bovine.

Back in the early days, when the 60 or 70 employees of LMAL carried on all their activities in five buildings, every new man had to fall victim to a little horseplay to see whether or not he was a good fellow. This sometimes took the form of a nice dose of itching powder or a brush with a booster magneto and was always referred to as being initiated into the Noble Order of the Green Cow. The name was brought in by a junior engineer whose alma mater had had an organization with a similar one.

The first time that dances came into the picture was the occasion of the opening of the Service Building in 1925. The staff thought that the dances should be continued and a committee was set up to make the plans. They then transferred the name to their group. Clyde says, "The organization began to get so large that we more or less lost our personal touch and the horseplay died out. We had all of a hundred people then."

As the Laboratory grew, so did the Green Cow, and its activities along with it. Now the membership runs to several hundred who get together about once every month for a dance.

The affairs are run by a four man executive committee which is elected yearly by the employees. The present committee is Bill Craig, Employment, chairman; Charlie Kelly, Full-Scale Tunnel; Tiny Hutton, Bulletin; and Sid Batterson, Impact Basin.

Membership is open to any employee of the Laboratory. The yearly fee is \$3.50.

\* \* \*

FOR SALE: 1940 station wagon in excellent condition with 5 service tires. It is parked on Kecoughtan Road at the entrance to South Hampton Apts. Contact Carmen Schlenk at 392.

## Service Notes...

The Bulletin received another letter from John Harrington, who is still stationed "somewhere in New Guinea". Enclosed in the letter was an issue of the Wing Ding, a newspaper "published by and for the personnel of the 91st Photo Reconnaissance Wing, 5th Air Force". The newspaper contains everything from the latest news through sports articles to a series of paperdoll pin-up girls. Anyone interested in seeing the paper may consult the Bulletin Office at 376.

Among other things, John writes, "The British have found out that a good many things go around in the dark besides Santa Claus. The paratroopers are doing excellent night work. The 'Ratzies' don't like mountain climbing especially when the mountains Britain boasts are men."

The Spin Tunnel received a card from a former employee, Henry Rottersman, whose new address is: S 1/c, Co. 1458, Great Lakes, Illinois. Henry wishes to be remembered to all his old friends at the Lab.

One of the Lab's most recent and most welcome visitors is Lee Dickinson, former editor of the Bulletin, who is fresh from six weeks at Camp Peary.

## Staff Sgt. Potvin Killed in Crash

Staff Sgt. Arthur Edward Potvin, who was employed in the East Machine Shop when he volunteered for the army air forces in August 1942, has been reported killed in action; his airplane crashed in the vicinity of Valdieri, Italy as a result of an attack by enemy aircraft Nov. 11, 1943.

Potvin had been reported missing in action over France following the Armistice Day raid. One month previous to his death, he had been awarded the Distinguished Flying Cross for his part in a raid of the Ploesti oil fields in Rumania.

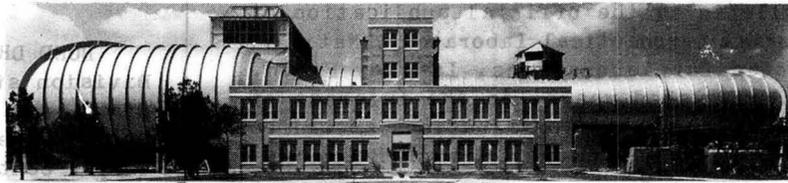
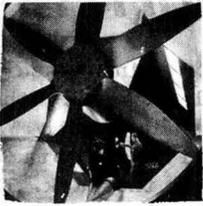
Lee looks wonderful - less weight, much less hair, and a thorough sun-tan. He has promised the Lab one of his ten days' leave, and we are anxiously awaiting our allotted time.

Mrs. Elizabeth Hobbs, Employment, received a letter from her son Jesse H. Hobbs, who is a Pharmacist's Mate on an L.S.T., U. S. Navy, in which he said, "I was in the invasion of France, but am safe and well thus far. Sherman was certainly right!"

A/C Robert T. Thacker, whose address is Squadron "2-A", Flight "D", 2156 AAFBU, C.P.S. (Primary), Decatur, Alabama, writes that all of the guys that read his copy of the Bulletin were very interested in the article on the Superfortress since they are training to be pilots for the army.

"Shorty" Harrison, formerly of Circulation and ISS, visited the Lab Monday while home from Aberdeen, Md. He thinks that the Army and Navy Departments must have worked together, since his brother Jeff, who has just received his ensign's bar and gold wings, came home at the same time. It's the first time the boys have seen each other in a year.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 30, Vol. 3

Langley Field, Virginia, July 15-21, 1944

Page 1

### Miss LMAL Will Be Disclosed July 28 At Green Cow Dance

In an effort to "beat the heat", the Noble Order of the Green Cow is staging its first summer dance in two years by the sea breeze at the Grand View Pavilion on Friday night, July 28, from 9-12. Music will be furnished by Blair Blanton and the Southerners.

The outstanding feature of the dance will be the announcing and crowning of Miss LMAL. Following the beauty parade of the sixteen contestants, the seal of the letter from Cecil B. deMille will be broken for the first time, and the winner and the two runners-up announced. After the crowning of Miss LMAL, there will be a "Queens' Waltz".

Tickets for the rest of the year are \$3.50 and they may be purchased from any member of the Green Cow Committee.

### New J.O. Numbers

*In connection with improvements being effected in the accounting system of the Laboratory, it has become desirable to institute a new system of job order numbers. Although some slight confusion may arise in putting the new system into effect, it will be to everyone's advantage in the long run. It is only necessary that the job order numbers now active in the various sections of the Laboratory be changed to the new numbering system when the new plan becomes effective July 16, 1944.*

*A new section symbol is included in the system which will remove a great deal of confusion throughout the Laboratory when its use becomes general. Complete information is being supplied all section heads.*

### FIFTH BOND DRIVE OVER QUARTER-MILLION MARK

The Fifth War Loan Drive conducted at LMAL has not only exceeded by far the quota set, but now is assured of reaching and even passing the quarter-of-a-million-dollars mark. On Wednesday, July 12, cash sales of bonds had netted \$107,742.25.

By allotment during June 1-30, \$72,837.33 worth of bonds were bought at the Laboratory. It has been approximated that allotments will increase somewhat in July; even if they remain the same, however, \$253,416.91 will have been received for bonds at the end of the Drive.

The following is a list of the numbers of the different type bonds bought during the cash sales up to date; 928 of the \$25 bonds, 407 of the \$50 bonds, 290 of the \$100 bonds, 35 of the \$500 bonds, and 43 of the \$1000 bonds. Cash sales have by no means ended, and it is expected that many more bonds will be bought during the last push of the large Invasion Loan Drive.

### GEORGIA TECH ALUMNI TO FORM ASSOCIATION

All former Georgia Tech students interested in organizing an alumni association please contact Jimmy LaHatte, Full Scale Tunnel, 231; or Jay Bird, Stability Tunnel, 324.

NEW TELEPHONE NUMBER: Flight Meteorology Office, located on second floor of old Hangar, 223.

War Savings Bonds are a good investment. Buy more of them.

### H. J. E. REID SPEAKS AT ROTARY CLUB LUNCHEON

H. J. E. Reid, Engineer-in-Charge, was guest speaker at the weekly luncheon meeting of the Hampton Rotary Club on Tuesday, July 11. In his speech, he predicted that jet propulsion would open a new and practical era in military aeronautics and probably in commercial aviation. He explained in brief the efficiency and relative simplicity of the engine principle, and mentioned that although there are no jet-type planes on Langley Field now there will be some flying over the Peninsula in the near future.

Reid also gave an account of his trip to the dedication of Ames Aeronautical Laboratory at Moffett Field, California on June 8. He showed pictures of the new giant full-scale tunnel, which is 190 feet high, 860 feet long, and 450 feet wide. The 35-foot diameter propellers, which were constructed at LMAL, are turned by six huge electric motors of 6,000 horse-power. The tunnel can test large modern full-scale planes and is large enough to house the Langley Field balloon hangar, the Langley Field full-scale tunnel, and several other large buildings.



The IMAI Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor . . . . . Tiny Hutton  
 Managing Editor. . . . . Ruth E. Angel  
 Associate Editor . . . . . Audrey C. Lange  
 Sports . . . . . Si Diskin  
 Reporters. . . . . IMAI Employees

## OUR SOLICITORS

Chairman of the Fifth War Loan Drive is Starr Truscott, Head of the Hydrodynamics Division. He has three assistants: Joseph Kotanchik of Structures who heads the drive in the West Area; Ira H. Abbott, Assistant-Chief of Full-Scale Research, who supervises the drive in the Full-Scale Tunnel Area; and Percy Crain, Head of Mechanical Services, who heads activities in the Administration Building Area.

Solicitors under Kotanchik in the West Area for the various sections are Sadie Harvey, Marian D. Mann, and Margery Hannah for West Area Computers; Boris Rosenfeld and Rolf Retz for Construction; Joe Robbins for Construction Contracts, West Area Dispensary; and West Area Cafeteria; George Viertel for Construction Inspection; Lottie J. Brown for Construction Purchase; Bronislaus Winckowski for Electrical Office; Ruth Dick-

Harry Shoaf, and Frank Aspin for West Area Engineering; Dorothy Chandler and Hugh Watson for Langley Purchase; Marvin Forrest for Generating Plant; Jackie Martin and Polly Pollard for Impact Basin; Frederick Breisch, Jack Kinzler, Fred Taub, Herb Schaeffer, and J. E. Freeman for West Machine Shop; David Halliday and Lucille Bergbom for West Maintenance; Mabel Huffman for West Area Model Finishing Shop; Nellie Owens, Alma Pharr, and Benjamin King for West Model Shop; Claude Ingels for Property Office; Stella Habura, Anne Mercer, Paul Shaver, Harry Barritt, and Joseph Shematek for West Sheetmetal Shop; Blake Corson, Marie Allen, and George Brett for 16-Foot; R. Sears, F. Imlay, and D. M. Smith for Stability Tunnel; James Wright, Evelyn Wallace, and Peggy Urrutia for West Stockroom; Paul Kuhn, Joseph Kotanchik, Evan H. Schuette, George Zender, John Houbolt, and Carl Rossman for Structures; and Macon Ellis for Supersonic Tunnel.

Abbott has two assistants in the Full-Scale Tunnel Area, R. W. Fairbanks and T. C. Muse of 19-Foot. Solicitors in this group representing the various sections are: Herman Ellerbrock and Ruth Samolin for Cowling and Cooling; Jerry Teplitz, Dot Estes, Arlene Hunt, and Pat Cancro for 19-Foot; Patsy Coe for Aircraft Loads; Virginia Tucker and Dot Young for East Area Computers; Bob Kamm for Stability; LaVerne Priddy for Stability Analysis; Theodore Schindler for Dynamic Model Shop; Jack Parkinson, Janice White, Truman Brackett, Howard Zeck, Elizabeth Hartwell, Lloyd Fisher, Jerold Bidwell, and John Ebert for Hydrodynamics Division; Les Schneider for Spin Tunnel; Jerry Brewer, Eugene Migotsky, Texie Belle Felts, Joseph Sprouse, and Walter Porter for Full-Scale Tunnel; Maury White, Norman Silsby, Anne Deimel, Don Talmadge, and Ed Danforth for Flight Research. Manny Boxer and Virginia Cullen for PRT; Herman, Ankenbruck for Free-Flight Tunnel; Kitty Livesay, Rowena Daniel, Axel Mattson, Norman Smith, and George Niles for 8-

(Continued on page 4)  
 Page 2

## CLEVELAND CLIPPINGS

**BOND DRIVE:** Icing Research Division still tops all other divisions in the Fifth War Loan Drive, with a quota of 42 per cent over the mark. The record was made with an 80 per cent participation of personnel. E. J. Baxter, drive chairman, believes that records to date are indicative of a successful finish.

**PLASMA SAVES LIFE:** After being wounded at Pearl Harbor, "Ted" Luczik, AERL ex-serviceman, lived for further service to his country due to the supply of blood plasma there. Luczik says, "If it hadn't been for the blood donors back in the States, most of the fellows wounded at Pearl Harbor couldn't have had plasma administered. It saved hundreds of lives; I feel that it saved mine."

**GRADUATES:** On Tuesday night, July 11, 94 graduates of the NACA aircraft engine school received their diplomas. Courses offered were the Allison Basic Engine Course and the Wright Aeronautical Corporation's Engine Overhaul Course. Top-honorman was "Gus" DiNovo, who was credited with the highest grade - 94 per cent. In the Wright course, DiNovo led with a straight 100 percent average. "Gus" received his six-weeks break-in at LMAL.

**TOP BOND BUYER:** Ralph T. Dittrich, Engine Components, is top bond buyer with 11 bonds to his credit. Judging from his record in the last drive, he is not through buying. In that drive he came through with \$425, equivalent to 17 bonds.

**LOBBY LINES:** Mrs. George S. Knopf, daughter of H.J.E. Reid, was a recent visitor at AERL.

**LOST:** A black wallet containing eleven dollars, social security card, driver's license, and several receipts. Believed to have been lost in East Area Cafeteria. If found, please contact Ruth Angel, Bulletin Office, telephone 376.

# Girls' Softball

On Monday, July 10, AWT with Margaret Farmer pitching upset PRT with Doris Topping pitching by a score of 14-7. The game scheduled for Tuesday, July 11, between Structures and Aircraft Loads was rained out and will be played some time after July 28.

Thursday, July 6, proved a very unlucky day for Flight Research which was annihilated by Aircraft Loads by a score of 38-1. Jerry Crouch pitched for the winners and Cynthia Lowe for the losers. High highlights of the game were two homeruns by Jerry Crouch, two by Kitty Carson, and one by Connie Nayatt. On Friday, July 7, 16-Foot and FGDA began a game, but it was decided it should be replayed on July 31.

### Standings:

Team	Won	Lost	Stand
AID	6	1	.857
AWT	5	1	.833
Struc.	4	2	.666
Pers.	3	3	.500
E. Mach.	2	4	.333
PRT	2	5	.285
TDT-FGDA-			
8-Foot	1	4	.200
16-Foot	1	4	.200

### TENNIS TOURNAMENT TO BE HELD SUNDAY

The tournament of the NACA tennis club that was scheduled for last Sunday was postponed because of rain and will be held on Sunday, July 16, at the club's courts on Fox Hill road.

Everyone is invited to attend and to compete. Prizes of boxes of tennis balls will be given.

"Your leg is swollen," said the medical officer, "but I wouldn't worry about it."

To which the G.I. replied: "If your leg was swollen, I wouldn't worry about it either."

—Arizona Contact

Funeral director (to an aged mourner): "How old are you?"  
Aged mourner: "I'll be 98 next month."

Funeral director: "Hardly worth going home, is it?"



# SPORTS

As a result of last week's encounters, three teams are now tied for first place in the USO-NACA Softball league; these teams are Structures, East Area Shops, and 19-Foot Pressure Tunnel, with a record of 8 wins and 2 defeats each.

PRT upset 19-Foot 5-4. The winning run was scored in the eighth inning on two successive hits. Sam Vollo hurled for PRT and Al Martina for the losers.

A large crowd was on hand to witness the contest between Structures and East Area Shops. The final score was 6-4 with Structures on top. Dale Burrows was nicked for ten hits and six walks in losing his first game of the season; however, he struck out nine men. Si Diskin gave up five hits, two walks, and struck out five men. Walter Woods and Johnny Neff, Structures, got three hits each to set the batting pace. Paul Marchal, EAS, knocked a home run to set the pace for his team. Structures committed seven errors and East Area Shops four.

On Friday, East Area Shops met and defeated Full Scale Tunnel 5-1. Dale Burrows was in excellent form as he gave up only two hits, struck out nine men, and walked eight. Roy Lange, Full Scale Tunnel, gave up only four hits, struck out two, and walked six. Harry Nutter, EAS, was the batting star of the game, getting two doubles in three trips to the plate. Frank Vollrath also contributed a double to his team's efforts.

Flight Research downed Low Turbulence 13-5. FRD collected twelve hits, including a double and triple, off Carl Cecil. Fred Daum, FRD, gave up only four hits, and Dick Sawyer got three hits to lead his team at bat. Harold Kleckner, Jack Reeder, and Jim Thompson collected two hits each. The two teams committed a total of thirteen errors.

Aircraft Loads won its first game of the season from Instrument Research by the score of 6-1. Sid Batterson, captain of AID, offers the remark that by virtue of its win, AID should be in first place, inasmuch as IRD defeated LTD, which in turn upset Full Scale, which beat 19-Foot Pressure Tunnel, which overpowered Structures, which nosed out East Area Shops.

Sunday afternoon, Engineering Section meets AWT at 1:30 p.m. at the Darling Stadium. Other games scheduled are: AID versus 19-Foot; LTD versus Stability; AWT versus Full Scale; Structures versus Engineering; and Tank versus 8-Foot.

Pos.	Team	Won	Lost	Pct.	G.B.
1	Structures (8)	8	2	.800	-
1	East Area Shops (12)	8	2	.800	-
1	19' Pressure T. (14)	8	2	.800	-
4	Full-Scale (3)	5	3	.625	2
4	AWT (6)	5	3	.625	2
6	Flight Research (13)	6	4	.600	2
7	PRT (10)	5	4	.555	2-1/2
8	8' High Speed (4)	4	4	.500	3
9	Tank (5)	4	5	.444	3-1/2
10	Low Turbulence (7)	4	6	.400	4
11	Instrument Res. (9)	3	7	.300	5
12	Engineering (1)	2	8	.200	6
13	Stability (2)	1	7	.125	6
14	Aircraft Loads (11)	1	8	.111	6-1/2

## BUY MORE INVASION BONDS

**MUSICIANS WANTED  
FOR LAB ORCHESTRA**

Anyone interested in playing in a dance band and who has his own instrument, please contact Personnel Services, telephone 377.

J. J. Morrone of the East Engineering Section has accepted the responsibility of organizing a NACA dance band to play for dances and other gatherings of Laboratory personnel. A meeting will be held in the near future.

## SOLICITORS

From page 1

Foot; Clarence Kline, Marjorie Bidwell, John Doyle, Mary Noble Bennett, Joe Dodson, and John Gradle for Engineering; William Tully, Virginia Shelton, Evelyn Morris, and Leigh Gay for East Machine Shop; Howard Allison and F. S. Rogers, Jr. for East Sheetmetal Shop; Kay Wasson, Kathleen Rexrode, and Jean Casper for East Model Shop.

Under Crain in the Administration Building Area are Robert Nuber, Marjory Chisholm, Kenneth Singleton, and Harriet Eisenberg for TDT, FGDA, and LTTDT; Elizabeth Garner, John Riebe, Varina Rhodes, Ethel Kirsch, Emma Creasy, and Mary Alice Smith for AWT and 24-Inch; Dave Ullman, Judy Rogers, Opal McMillan, Ester Meidinger, Marie Cole, Catherine Sorrell, Dorothea Severance, and Laura Lineback for Reproduction; Sara Kay and Roland Cole for Electrical Shop; Chris Reynolds, Mary Latshaw, Kitty Thomas, Mary Anne Campbell, and Marilyn Lawlor for Fiscal Office; Paul Taylor for the Administration Building as a whole with Elizabeth Scott as a roving solicitor, Glenda Ellison in Stenographic Pool, Ida Young in Editorial Office, Mavis Bunch in Library, Chris Gill in Classification and Bulletin, Hank Fedziuk in Engineer-in-Charge's Staff Office, Kay DeSander in Files, Martha Tamm in Training and Administrative Office, Vera Huckel in Physical Research, and Marijean Saunders in Receptionist's Desk. Leonard Richardson is in charge of the drive in the Technical Service Building with assistants in the various sections. Maintenance Division is headed by Ambrose Page and Thomas S. Bristow and has the following assistants in the various sections: F. W. Baynes, George Hogge, William Dutton, and Myrtle Buchanan in Mechanical Maintenance; T. J. Zepnikowski and C. T. Copeland in Boiler Firemen; Albert Stacey, Eugene Frank, Pat Halliday, and Lucille Bergbom in Construction and Repair; Charles J. Satterfield, Leo Satterfield, and David M. Beales in Watchmen and Firefighters; W. E. Beamon, Randall Scarborough, John E. Evans, Maxie Stodghill, and Mamie Smith in Transportation; George S. Mayo in Janitors; Emma McSmith in Charwomen; and Roxie Johnson in Janitors and Charwomen. In other sections of the Service Building, Viva Michels is solicitor for Planning and Procurement, Mechanical Service Office, and Technical Service Office; Carrie Love for Transportation and Housing, Joe Burke's and Melvin Butler's Office, Selective and Safety; Barbara Huffman and Bill Craig for Personnel and Leave; Archie Fairfield, Albert Bainbridge, Lester Reynolds, and Ray Hulcher for Instrument Construction; Elizabeth Pyle for Instrument Calibration; Carl Pratt for Apprentice Administration; Ray Hansen, Morton Stoller, Clifford Nelson, David Kirwan, Charles Bernhard, George Evalenko, and Howard Edwards for Instrument Research; Elizabeth Hobbs for Employment and Gate.

**"MR. BROOKLYN"  
APPEARS AT USO**

A weight lifting exhibition will be given Monday, July 17, at 7:30 p.m. at the Hampton Industrial USO by Joe Maschio, winner of the "Mr. Brooklyn Contest", which was held in New York City March 1944.

A meeting, open to all who are interested in joining the newly organized gym and athletic club, will follow the exhibition.

# USO NEWS

This week's program at the Hampton Industrial USO will begin on Sunday, July 16, with open house. On Monday at 8 p.m. the bridge club will meet, and on Tuesday, July 18, there will be a meeting of the American Legion. A meeting of the USO Mimes followed by an informal dance will take place on Wednesday night, July 19. The movie "Adventures of a Rookie" will be shown on Thursday, July 20, at 8:30 p.m. Open house will feature the Friday, July 21, and Saturday, July 22, calendars.

## MILLER VISITS LAB

Lieut. "Dave" Miller, former employee who was reported missing in action February 20, visited the Laboratory this week.

Dave volunteered for the air corps and left LMAL in August 1942. He went into combat in October 1943 as a copilot on a Flying Fortress. On his thirteenth mission, which was over Leipzig, Germany, his plane was shot down by anti-aircraft and he was reported "missing in action over enemy territory."

He turned up in England on June 11. Upon his return, he received the unofficial decorations of the "Caterpillar" and "Late Arrival" clubs. The former has as its members all those who have been forced to bail out. The latter is made up of flyers who have had to "walk home." Lieut. Miller also holds the Air Medal and an Oak Leaf Cluster.

His most welcome sight, according to Dave, was the U.S.A. When he landed in New York two weeks ago, he kissed the ground, paying no attention to the curious stares of bystanders.

Dave is on his way to Florida and is visiting his mother, Mrs. G. H. Clark, in East Hampton.

While at the Laboratory, he was employed in the Prop Shop and in Planning and Procurement.

## Life At The Laboratory

**ROMANCES:** Julia Henderson, Files, is wearing a huge sparkler on her third finger left hand. She is engaged to Captain Don Eastman, Liaison Office. Plans for the big event have not been completed as yet....Joe Dodson, Engineering Section, is well on his way to matrimony now that he has become engaged to Betty Fisher of Clarksburg, West Virginia. The wedding has been set for September.

**HEIR MAIL:** Jay Ford Johnston, FRD, is the proud father of a second son, Carter French, born Sunday, July 9....Dorothy Lafionatis, formerly of East Engineering Section, is the mother of a son....Julian Maynard, 16-Foot Tunnel, recently handed out cigars. He is the proud father of a girl, Adelle Downey, born July 2....Carl Sandahl, PRT, became the father of a daughter, Joan, on Tuesday, July 21....Norman Rafel, Structures, became the father of a son, Allen Craig, on July 6.... George Kinghorn, Full-Scale Tunnel, is the proud papa of a son George Dixon, born July 5.

**PARTIES:** Flight Research is having another of its beach parties at Grand View today....Genova Hundley Conner, who was recently married at her home in Floyd, Va., was presented a gift at a recent meeting of the Impact Basin Personnel.... Dynamic Model Shop recently had a party in honor of Judith Tutka's birthday at her home on the base....8-Foot High Speed recently had a get-together at the home of Mel Carmel in Buckroe....The Library staff had a party at Buckroe Beach on Wednesday night, July 12.

**MISCELLANY:** D. E. Brimley, PRL, and R. M. Hansen, IRL, sailed the 27-foot yawl "Ehukai" from Cambridge, Maryland, to Hampton last Thursday through Sunday. The trip was uneventful except for some rather gusty weather off the mouth of the York River on Sunday.

## BRAIN BUSTERS TO HOLD MODEL MEET

A meeting of the Brain-busters was held Sunday evening, July 9, at 8:30 at the Industrial USO. Primary objective of the meeting was to determine whether a contest similar to last year's hydro championships should be sponsored. All present agreed that if enough interest could be aroused among the model builders of this vicinity, such a contest should be held. The next regular meeting of the Brainbusters will be held on Sunday, July 23.

On Sunday, July 16, a hand-launched and catapult-launched glider contest will be held at the La Salle Avenue flying field from 12:30-6 p.m. Prizes will be 50, 30, and 20 percent of the entry fee total. As usual, Frank "The Challenger" Cisco has a number of side bets on the outcome.

The Fourth Annual Invitation Model Aircraft Meet, sponsored by the Model Aircraft Company, will be held

Sunday, July 30, from 10 a.m. until 5 p.m. at Modelhaven, which is located on the shores of Loch Raven 7 miles north of Baltimore on the Dulany Valley Road. Classes A, B, and C gas, U-control speed, beauty, and rubber events will be held with motors, kits, and merchandise awards made in each event. AMA 1944 rules will prevail, except that launching will be optional. All ships, however, must have landing gears. The ships in the beauty event must make one flight, and rilliber jobs may be stuck on the cabin if desirable. The entry fee for each event will be 50 cents.

A letter requesting more explicit information has been written to the sponsors of the contest, and an answer should be in the hands of Frank Parmenter by today, July 15. Those desiring more information about the events may contact Parmenter, West Machine Shop, at 340.

## DRAMA AT BEACH

The opening of the Casino Park Playhouse at Virginia Beach on July 11 has brought to Laboratory employees the chance to see good New York plays with a professional New York cast.

The new playhouse, which is located under the canvas "dramatic top" at 15th and Atlantic Avenue, presented as its first production the Cullen Players in "Claudia". This play will continue through Saturday and Sunday nights, July 15 and 16. Curtain time for all productions is 8:40 p.m.

Performances will be held every evening except Monday, and the plays will change every Tuesday. Scheduled for the week of Tuesday, July 18, is "Night Must Fall". Other productions scheduled for later in the season are "Arsenic and Old Lace", "Watch On The Rhine", and "Up In Mable's Room".

All seats are reserved and prices are \$1.20 and \$1.50, including tax. Advance reservations may be made by telephoning Virginia Beach 210.

Spotted in the all professional cast are Michael Ames, who played the lead in "Storm Operation"; Pauline Bagshaw, who last appeared with Vivien Leigh and Lawrence Olivier in "Romeo and Juliet"; T. C. Jones, of the cast of "Army, Play by Play"; and Norman Porter, who played the lead in the road show version of "The Man Who Came To Dinner".

## SECTIONS MOVE

On Saturday, July 8, the Recruiting Office, headed by Bill Craig, moved from the Service Building to the Employment Building which is located near the East Area Gate; and the Counselors moved from their office in the Service Building into the office just evacuated by Recruiting. The Bulletin staff moved from its office in the Administration Building into the back Personnel Office in the Service Building. The phone numbers will remain unchanged.

# Service Notes...

Howard "Benny" Miller writes from Greenville, Miss., to say, "I was especially pleased to receive the last issue containing the pictures of the 16 LMAL beauties. That issue certainly was a morale booster; I happen to be fortunate enough to know several of the contestants...I've just finished my college training, and we're "lying over" here till there's room for us in Pre-Flight school. We got intensive courses in Mathematics, Physics, and Geography while in school at Western Kentucky State Teachers College, Bowling Green. I've now received 10 hours of "dual instruction" on an Aeronca T.A.T. Benny's address is: Sec. C-1, Bks, 256, 2120 AAFBU, (AAF Pilot School - Basic), GAAF Greenville, Miss.

Edward Reuben, formerly of East Area Machine Shop, writes that while stationed near Cleveland he visited AERL where he met Mr. Witmer, his former boss at LMAL. He writes, "Seemed like old times again talking to Mr. Witmer, and he showed me all around the machine shop there. AERL sure is a modern place, but I'll still take Langley! Edward's

new address is: Section I, 2526 AAF Base Unit, On-The-Line Trainee, Barracks #457 LAAF, Lubbock, Texas.

Dave Buchanan, who has finished his basic training at Keesler Field, Miss., recently visited the Laboratory.

Milton Sherwood writes that he recently visited the Laboratory and enjoyed every minute of it. He says, "Since my last letter, I have been transferred to another part of the base...what I'm doing now is more important work...I'm an instructor in precommissioning training for crews before they go aboard ship. Milton's new address is: Lookout Unit "B" P.O., N.T.S. - N.O.B.. Norfolk 11, Va.



Private Howard Miller

## Metchicas Killed

Lieut. Jimmy Metchicas, glider pilot, was killed during the invasion in Normandy on June 6. Metchicas was a former employee of the Instrument Research Laboratory and he left the Lab in May 1942 to go into the service. He was well known among the modelmakers as contest director for AMA.

### SATURDAY DANCE AT COUNTRY CLUB

There will be a dance at the Chamberlin Country Club, Saturday, July 15, sponsored by the Sigma Club. Dancing will be from ten until one and music will be furnished by Eddie Travis and his orchestra.

Tickets are \$1.65, advance sale, and may be obtained from Harry Barritt, West Sheetmetal Shop.

## HELP THE KITTY NOW

Since the last call in the May 13-19 issue of the Bulletin for contributions to the service men's kitty, the mailing list has increased from 63 addresses to 80. This means that \$2.40 is needed each week to send Bulletins to these men. Again we are asking for your help. From the many letters received from the boys expressing their thanks, it is evident that this small favor is appreciated, so try to find a few extra pennies and send them in to the Bulletin Office, Service Building.

WANTED: Sailboat of Star type. Call Ilando Capolino at 240.

WANTED: Plans for Hampton One Design sailboat or similar craft. Call Joe Boyle at 254.

## AERL EMPLOYEE "SAVES" TOWN

(The following article was copied from an Elyria, Ohio newspaper with an Associated Press credit):

"This city was back to normal today after residents were told the 'bomb' which dropped from a plane was a non-explosive wind testing instrument.

"The device, identified through its flanges by William Gibbons of the National Advisory Committee for Aeronautics at Cleveland, crashed through a garage roof last Saturday. Elyrians became alarmed when 'two bomb fins' and 'something which looked like a bomb fuse' were unearthed."



"NOW - GIMME THAT CHECK"

DOUGLAS AIRVIEW

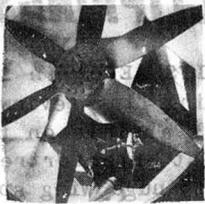
WILSON  
CUTLER

## SOFTBALL SCORES:

Air.Loads 6, Inst. Res. 1  
Structures 6, EAS 4  
Flight Res. 13, Low Turb. 5  
PRT 5, 19' P. T. 4  
EAS 5, Full Scale 1

Everybody, every payday,  
at least 15 percent.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 31, Vol. 3

Langley Field, Virginia, July 22-28, 1944

Page 1

### PATTERSON, GATES FOR POST-WAR RESEARCH

Post-war plans for research in aeronautics are already being formulated and were stated very generally at a recent Senate committee meeting. According to the New York Times, on July 12 Under-Secretary of War Robert P. Patterson supported by Assistant Secretary of the Navy for Air Artemus L. Gates submitted the ideas of the War Department on the kind of air forces and aviation industry the country will need after the war to the Murray War Contracts Subcommittee of the Senate Military Affairs Committee.

The suggested plan not only calls for large Government appropriations for military air services but also for huge stand-by facilities and a movement of the aviation industry from its pre-war locations on the East and West Coasts to the center of the country. It also advocates the disposal of surplus aircraft so as not to delay or hinder the development of new designs, even at the cost of scrapping the old, and provides for Government aid and encouragement to all phases of civil aviation.

In his statement, Mr. Gates said: "Encouragement of civilian air transportation by all proper means should be pursued. Research in aerodynamics and related sciences which will be continued by the industry should also be liberally financed and conducted under Government

Continued on page 3

### MILITARY TRAINING FOR MEN

A group of men interested in participating in a training program have met recently and discussed the possibilities of such a program. As a result a series of courses on military subjects is being planned for male Laboratory employees. The subjects being considered are those required for Basic Military Training of AAF enlisted personnel. These subjects include Articles of War, Army Organization, Military Discipline, Sanitation, First Aid, Safeguarding Military Information, Marksmanship, Camouflage, Defense Against Air Attack, and Employment of Aviation in the Army. At present no physical training or drill is being considered.

As indicated in the report circulated to reservists on June 17, the administration of any training program at the Laboratory will be entirely in the hands of LMAL personnel. Such training will not receive official recognition from the Army, but indications are that completion of any or all of the above courses will have a favorable effect on the rate of a man's advancement, as he is called to active duty.

### GREEN COW TO CROWN QUEEN

The coronation of Miss LMAL will highlight the Green Cow's summer dance at the Grand View Pavilion Friday night.

The parade of the contestants is scheduled for 10:30, and the announcement of the winners will take place immediately following.

The dance is open to all members of the Noble Order of the Green Cow. Any Laboratory employee who is not a member may join by paying the yearly membership fee of \$3.50. There will be no tickets sold for this dance alone. Membership tickets may be obtained from Bill Craig, Employment; Charlie Kelly, Full-Scale Tunnel; Tiny Hutton, Bulletin; or Sid Batterson, Impact Basin.

The dance will start at 9 p.m. Directions to Grand View are printed elsewhere in the Bulletin.

Although the army will give no official recognition to the training, responsible officers have promised that a limited amount of equipment will be made available for such training; competent Army instructors will lead periodic seminars; and all texts, questionnaires, and correction sheets may be obtained from the Army.

Temporary officers have been elected to complete the organization of this training program. They are C. A. Rossman, Structures, Chairman; H. O. Levitt, E. Engineering, Secretary, and D. U. Ullman, Reproduction, Library Custodian. Ullman has texts for some of the previously mentioned courses. Anyone interested in examining the texts may contact him at 352.

Since the degree of Army cooperation will probably depend to some extent upon the number of participants, it is desired that all men interested in the training telephone

Continued on page 6



The LMAI Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor . . . . . Tiny Hutton  
 Managing Editor . . . . . Ruth E. Angel  
 Associate Editor . . . . . Audrey C. Lange  
 Sports . . . . . Si Diskin  
 Reporters . . . . . LMAI Employees

### *They do it, why don't you?*

The June 15-30 bond allotment report shows improvement in employee subscription with the percentage of employee participation being increased from 88.6 to 90.74 and of gross payroll from 12.41 to 12.43. The highest percentages reached thus far were attained in November when the total participation was 97.5 percent and the payroll allotment was 13.7 percent. It is hoped that during and after the Fifth War Loan Drive, the figures can even surpass those of November, the payroll allotment reaching the goal of 15 percent.

Listed below are statements and photographs of 5 representatives who are among the many subscribing 15 percent and over.



Glenda Ellison, Clerk, Stenographic Section

I invest 15 percent of my salary in bonds because it is the least I can do to help the boys who are fighting for our country, and it is also an excellent way to save money for that Buick convertible after the war.

Gene Guryansky, Aero. Engr., Full-Scale Tunnel

Since my flight time in this war is measured by the number of hours I push a slide rule, I like to think that the bonds I purchase regularly help pay the salary of some pilot with whom I can take a mental "piggy-back" ride whenever the slip-stick gets a little sticky.



Betty Toll, Editorial Clerk, Editorial Office

I invest in War Bonds because I feel that I should lend the Government money that I do not actually need at this time; besides, I like the idea of saving the money for the "sunny" days when the Government no longer needs it to carry on the war.



Virginia Benson, Clerk Typist, Bond Office

I buy bonds because I think that's the best way a person in one of the lower brackets of salary can save money. It's not only a benefit to me, but helps a lot in the war effort and will bring our boys back sooner; and that's what we want. Isn't it, girls?



Hank Fedziuk, Aero. Engr., Research Records

This war is being fought on two fronts, the home front and the battle front. It is the duty of every U. S. citizen not in uniform to support the home front, and one of the best ways to show his support is by the purchase of war bonds. Every LMAI employee should do his part by buying as many war bonds as he can possibly afford.



## CLEVELAND CLIPPINGS

**B-29 VISITS AERL:** In its last issue, Wing Tips reviewed the Bulletin's article on the B-29. The giant Superfortress now spreads its huge wing span on the AERL hangar apron while laboratory research engineers work on further tests on this queen of the skies.

**NACA GUEST OF WHK:** On a program presented on the NACA under the auspices of the United States Civil Service Commission over station WHK in Cleveland, Mr. Sharp and the AERL Girls Glee Club represented the Committee. Mr. Sharp, when interviewed by Marianne Wulff, said "Right now, all the work of the Laboratory is concerned with winning the war. The Laboratory is working night and day to improve our planes, to make them safer and faster. We're doing everything we can to safeguard the lives of our Army and Navy men who are flying those planes."

**LOBBY LINES:** Lawrence Meem, Virginia Brigitwell, and Pearl Young bring back news of their recent visit with LMAI cronies.

**FORMER SERVICEMAN:** William Martz, former serviceman now employee at AERL, feels that his present role in the war effort at the Laboratory is equal in importance to his service in the armed forces. He says, "If these fellows here could only realize how much depends on them, how our fellows in the planes over there are praying for a little more speed or greater maneuverability - for any development at all that will give them an advantage over the enemy."

### CAP INVITES LMAI WORKERS

A special meeting of the Civil Air Patrol will be held at the Hampton Armory on Wednesday, July 26, at 7:30 p.m. to acquaint LMAI employees with the purposes and the military training offered by the C.A.P.

# 8-FOOT DEFEATS FULL SCALE 4-3

# Girls' Softball

Rain forced a postponement of several ball games last week, and consequently, only three games were played.

In a very close contest, 8-Foot High Speed nosed out Full Scale 4-3. Full Scale outnitted 8-Foot twelve nits to ten, but lacked the batting punch necessary to drive in the winning runs. Ralph Bielat and Cletus Vincke each collected a double off Jerry Brewer, who went all the way for Full Scale and who was charged with the defeat. Don Baals hurled for 8-Foot. Both teams played tight defensive ball with the only error of the game charged to Full Scale.

AWT edged out a 7-5 victory over Engineering last Sunday. Jim Scriven tossed a six-nitter in chalking up his sixth win on the season. Two of the nits were collected by Ilando Capolino. Jim Dawson was the losing pitcher.

In a game played last Friday, Flight Research overwhelmed Instrument Research by the score of 10-1. Fred Daum and John Bradley divided the pitching honors for FRD and together gave up six nits. Ray Hansen, pitcher for IRD, gave up ten hits during his stay on the mound. Bill Alexander, catcher for FRD, collected a single and a triple in three trips to the plate.

The game between West Area Shops and PRT was called in the fifth inning after rain enveloped the playing field. The game ended with the score tied 5-5. The game will be replayed at a later date as will the game between Stability and Tank.

The most crucial game of the season thus far will be played on Tuesday, July 25 at Darling Stadium when 19-Foot Pressure Tunnel meets East Area Shops. At present, both teams along with Structures are in a three-way tie for first place. A large crowd is expected to be on hand to witness this contest. Anshel Neinouse will umpire from behind the plate.

The schedule for the remainder of the week is as follows: Monday, FRD versus ALD; Wednesday, Engineering versus PRT; Thursday, Stability versus IRD; Friday, Full-Scale versus Structures.

## Standings:

Pos.	Team	Won	Lost	Pct.	G.B.
1	Structures (8)	8	2	.800	-
1	East Area Shops (12)	8	2	.800	-
1	19' Pressure (14)	8	2	.800	-
4	AWT (6)	6	3	.667	1-1/2
5	Flight Research (13)	7	4	.636	1-1/2
6	Full-Scale (3)	5	4	.555	2-1/2
6	8' High Speed (4)	5	4	.555	2-1/2
6	PRT (10)	5	4	.555	2-1/2
9	Tank (5)	4	5	.444	3-1/2
10	Low Turbulence (7)	4	6	.400	4
11	Instrument Research (9)	3	8	.273	5-1/2
12	Engineering (1)	2	8	.200	6
13	Stability (2)	1	7	.125	6
14	Aircraft Loads (11)	1	8	.111	6-1/2

## Post-War Research

Continued from page 1  
 auspices and the results made available to private industry to the extent compatible with security."

Of technological development, Mr. Patterson added: "This country enters the present war with some good airplanes but they could have been better and our tactical

advantages greater had we not been handicapped in pre-war years by the inadequacy of funds available for research and development. That must not happen again."

Inscription on the grave of an Army mule: "In memory of Maggie, who, in her time, kicked 2 colonels, 4 majors, 10 captains, 24 lieutenants, 42 sergeants, 486 privates, and 1 bomb."

H. J. E. Reid was on hand to witness the contest between Personnel and FGDA on Thursday, July 13. The final score was 9-7 in favor of Personnel. Frances Leigh pitched for the winners, and Virginia Tucker for the losers. Both were in good form, allowing only one walk each.

The game scheduled for Friday, July 14, between FRD-Tank-E. Machine and AWT was postponed but will be played off on Wednesday, August 2.

Monday, July 17, was contest day for 16-Foot and PRT with 16-Foot winning 14-4. Doris Topping, usual pitcher for PRT, was injured rather seriously before the game and rushed to the base hospital; she seems to be quickly getting back into shape, much to the relief and gladness of the League. Ann Cocke ably replaced Doris as pitcher for the game, and Ferne Driver hurled for 16-Foot.

16-Foot met FRD-Tank-E. Machine on Tuesday, July 18, and completely annihilated them by a score of 50-9. Ferne Driver was the winning pitcher, and Cynthia Lowe the losing. Adding to the excitement of the game was Maxine Horne's home run for 16-Foot.

AWT defeated Personnel with a high score of 21-1 on Wednesday, July 19. The highlight of the game came when, with bases loaded, Ann Timberlake slugged a nomer deep into right field. Margaret Farmer pitched for the winners and Frances Leigh for the losers.

P.S. Nancy Shelton, Personnel, will receive the Purple Heart for wounds incurred during the battle.

# BUY MORE BONDS

# INVEST 15 PER CENT EVERY PAY DAY IN BONDS

*More do it, why don't you?*

ALLOTMENT SCALE		
Annual Base Pay	Gross Semi-Monthly	15% Bond Allotment
8,000	359.51	60.00
7,500	338.68	52.50
7,250	328.26	50.00
7,000	317.84	50.00
6,750	307.43	50.00
6,500	297.01	45.00
6,400	292.84	45.00
6,200	284.51	45.00
6,000	276.18	45.00
5,800	267.84	45.00
5,600	259.51	45.00
5,400	251.18	45.00
5,200	242.84	37.50
5,000	234.51	37.50
4,800	226.18	37.50
4,600	217.84	37.50
4,400	209.51	37.50
4,200	201.18	37.50
4,100	197.01	30.00
4,000	192.84	30.00
3,900	188.68	30.00
3,800	184.51	30.00
3,700	180.34	30.00
3,600	176.18	30.00
3,500	172.01	30.00
3,400	167.84	30.00
3,300	163.68	25.00
3,200	159.51	25.00
3,100	155.34	25.00
3,000	151.18	25.00
2,900	147.01	22.50
2,800	141.94	22.50
2,700	136.87	22.50
2,600	131.80	20.00
2,500	126.73	20.00
2,400	121.66	18.75
2,300	116.59	18.75
2,200	111.52	18.75
2,160	109.50	18.75
2,100	106.45	18.75
2,040	103.41	18.75
2,000	101.38	18.75
1,980	100.37	15.00
1,920	97.33	15.00
1,860	94.29	15.00
1,800	91.25	15.00
1,740	88.20	15.00
1,680	85.16	15.00
1,620	82.12	12.50
1,560	79.08	12.50
1,500	76.04	12.50
1,440	73.00	12.50
1,380	70.00	12.50
1,320	67.50	12.50
1,260	65.00	10.00
1,200	62.50	9.38
720	37.50	6.25

Here are four more employees who are investing at least 15 percent of their pay in bonds. Here also are their reasons.

Helen Flanagan, Matnemetician,  
Aircraft Loads



C'est la guerre!  
Hugh Watson, Purchasing Clerk,  
General Purchase



I buy bonds because Uncle Sam needs the money now; I'll need it later. They're the only thing on the market that are worth what they cost.

Alvin Brittingham, Macchinist, West Macchine Shop



I don't know; it just seems the logical thing to do with money I don't need now. It's the best investment I know of, and since I'm working for the government, I don't mind lending it money.

Marilyn Lawlor, Payroll Clerk, Payroll Office



It's the best way I know of to save money. My husband is in the Navy and we're putting aside all we can for our post-war security. I'm no "flag waver" but if the government wants to borrow money, it's welcome to ours.

★ ★ ★

Amount of semi-monthly allotment	Denominations of bonds purchased at various semi-monthly salary deductions.			
	Number of pay periods required to purchase a bond	Bond denominations purchasable under allotments indicated		
		\$25.00	\$50.00	\$100.00
\$ 3.75	5	1		
5.00	15			1
6.25	3	1		
7.50	5		1	
8.75	15	*7		
9.38	2	1		
10.00	15			**2
12.50	3		1	
15.00	5			1
18.75	1		1	
20.00	15			**4
22.50	5		**3	
25.00	3			1
30.00	5			**2
37.50	1		1	
45.00	5			**3
50.00	3			**2
52.50	5		7	
60.00	5			*4
70.00	15			**14
75.00	1			1
82.50	15		1	**16
100.00	3			*4

\*Bonds may be issued and delivered as paid for.

\*\*Bonds may be issued and delivered as paid for or dated back to the first of the month in which the average pay period falls.

## Life At The Laboratory

**PARTIES:** The personnel of Construction Purchase had a beach party Sunday, July 16, at Grand View. The spread of picnic sustenance really looked like pre-war equipment, what with fried chicken, nam, hamburgers, and not dogs. Softball, swimming, and horseshoe pitching added to the fun day... The Aircraft Loads Division had an all day picnic at Virginia Beach last Sunday, so many going that it took two chartered yellow school buses to haul the load (no pun intended)... Stability Tunnel also joined the beach brigade, partying in a secluded spot at Grand View... Construction had a picnic on Sunday, July 9, at Yorktown... Girls of the Impact Basin gave a farewell party at the apartment of Mary Frances Mikell on Thursday evening, July 20, to honor Joyce Miller who is leaving the Lab soon to teach in Wisconsin. "Punk" Stewart, by virtue of her birthday, was also honored at the party... Flight Research Division picnic, which was scheduled for Saturday, July 15, but was rained out, will take place today, fate and the weather willing.

**ILL WINDS:** Allie Faye Ellis, Tank, is suffering from a severe cut on her arm received Sunday, July 16... Annette Coope, East Engineering, is back at the Lab after undergoing an appendectomy... Alfred Tankersley, Tank, is in the hospital being treated for an injured back... John Bradford, Tank, is convalescing in a hospital in Richmond... Lois Leftwich, West Machine Shop, is at her home in Bedford, Va. recovering from a Streptococcus throat infection.

**ROMANCE:** Clinton E. Brown, Supersonic Tunnel, and Jean Poytress, East Engineering, were married on July 12 in New York. The newly-weds returned to the Lab Monday, July 17. Bill Poytress, West Machine Shop, who is a brother of the bride was present at the ceremony.

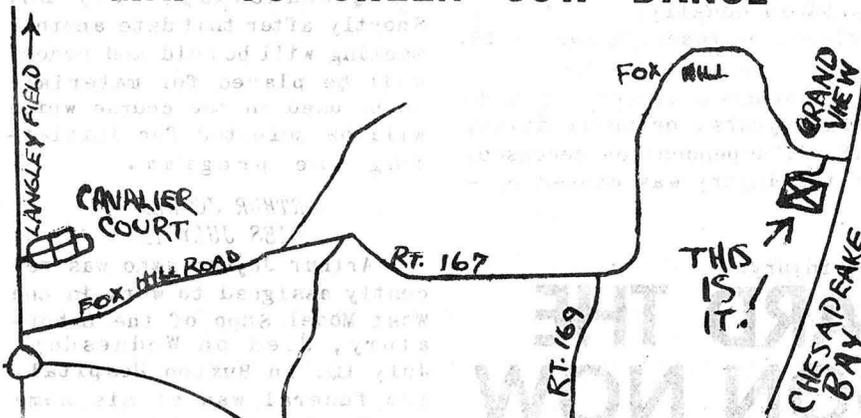
**MISCELLANEOUS:** West Sheetmetal Shop had a letter from a former employee, Sydney Powell, who is now taking up training at Bainbridge, Maryland... West Model Shop is rejoicing at the beginning of the construction of a new addition to the shop.

## EASLEY COMMENDS LMAL ON DRIVE

James S. Easley, Executive Manager for the State War Finance Committee for Virginia, wrote the Laboratory on July 17 congratulating LMAL on the success of the Fifth War Loan Drive conducted here, which he considers "a most remarkable record of which I am sure you are proud."

To date, cash sales have totalled \$112,204.75 and allotments for June 1-30 and July 1-15 have added up to \$112,833.77. So far \$225,098.52 of bonds have been sold, which is well beyond our quota of \$219,106.39. The sale of bonds during this Fifth Drive will continue through July 31.

## MAP TO GREEN COW DANCE



## USO GYM CLUB HOLDS MEETING

A large attendance was on hand for the first regular meeting of the USO Gym Club. A temporary operating committee with sub-committees was appointed to take care of the immediate business of the club and to plan future activities. The club is preparing to provide facilities for athletic activities for all.

On Monday, July 24, at 7:30 p.m. there will be another exhibition on the high bar and also weight lifting before the meeting. The following men can be contacted for further information; Ray Murphy, E. Engineering; Bob Jeffries, IRD; Joe Mascio, E. Model Shop; Andrew Hayes, Research Records; Leonard Arnow, Aircraft Loads; Gene Allen, W. Electrical Office. All interested are invited to attend the exhibition and meeting, and it is hoped that every department and section on the field will be represented.

★ ★ ★

## APPLICANTS FOR CAPC AND ACER TO RECEIVE A FREE PLANE RIDE

Enlistment in the Air Corps Enlisted Reserve is once more open to qualified young Americans who want to win their wings on the "greatest team in the world", an AAF air combat crew.

If you are between the ages of 15 and 18, you can now begin to prepare yourself to qualify for the Air Corps Enlisted Reserve by enlisting in the Civil Air Patrol Cadets and receiving pre-aviation training.

Young men applying within the next two weeks will be given a flight in an Army L-3 liaison airplane flown by CAP pilots at Scott Field, Williamsburg.

Applicants may be interviewed at 211 Deal building, Newport News, or during the evening hours at the HRPE commissary building at 2506 Washington Ave., Newport News.

For additional information contact Fred Chalfont, East Model Shop, 254.

# RIGHT TO COMPENSATION FOR PERSONAL INJURIES OF CIVIL EMPLOYEES

## BENEFITS PROVIDED BY LAW

If a civil employee of the United States sustains an injury "while in the performance of his duty", he is entitled to

1. Medical, Surgical, and Hospital Service and Supplies, and Transportation if Necessary to Secure them.

Treatment must be obtained from United States medical officers and hospitals if practicable; if these are not available, then by physicians and hospitals designated by the Compensation Commission, a list of which will be found in the hands of the official superior or head of the establishment. Where there is no designated physician or hospital, or United States medical officer or hospital, any reputable physician licensed to practice medicine, or any hospital, may be employed.

2. Money Benefits While Disabled for Work.

Beginning on the fourth day of disability, or if leave with pay is taken, then on the fourth day after pay stops, and continuing throughout the entire period of disability.

If totally disabled, benefits to be at rate of two-thirds of the monthly pay (including value of subsistence and quarters if furnished), but not more than \$116.66 nor less than \$58.33 per month, except when the monthly pay is less than \$58.33, in which case the monthly compensation shall be the full amount of the monthly pay. If partially disabled, benefits to be at rate of two-thirds of the loss of wage-earning capacity caused by the injury. If loss of wage-earning capacity is permanent, compensation is payable till death.

3. Burial Expenses in Case of Death.

Burial expenses not exceeding \$200, and transportation of body of resident of United States dying away from home station, if relatives desire it.

4. Money Benefits in Case of Death.

Total compensation can not exceed two-thirds of monthly pay of deceased, which monthly pay for computing compensation shall be considered to be not more than \$175 nor less than \$87.50, but the monthly compensation can not exceed the the monthly pay.

To widow or wholly dependent widower, 35 percent of monthly pay of deceased employee until death or remarriage; and, in addition, for each child under 18, 10 per cent of monthly pay until death, marriage, or reaching the age of 18.

To one child under 18, if there is no widow or dependent widower, 25 per cent of monthly pay.

To each additional child under 18, 10 per cent

To be divided among the children equally.

To be paid until death, marriage, or reaching age of 18, to child's guardian.

Also compensation to parents, brothers, sisters, grandparents, and grandchildren, for eight years, or until death, marriage, or reaching the age of 18, if dependent on deceased.

No compensation is payable if the injury was caused by -

- (a) Willful misconduct.
- (b) Intoxication.
- (c) Intention to bring about injury.

# GET ABOARD THE BONDWAGON NOW

## BRAIN BUSTERS

The glider contest held Sunday, July 16, was marked by excellent weather and close competition. Jesse Shepard, West Sheetmetal Shop, emerged the winner in the catapult event with 1:46 for three flights to nose out Frank "the challenger" Cisco, Project Engineers, who garnered 1:38.

Dick "has been" Everett, Dynamic Tunnels Operation Shop, topped the hand-launched contestants with 5:53, followed by Fritz Breisch, West Machine Shop, with 4:50. Caldwell Johnson and Reid Hull, East Engineering, were third and fourth with 4:15 and 3:51, respectively. Fifth place went to Frank Cisco with 3:38. Cisco, by the way, finally broke even on his side bets and naturally is elated by such unexpected good fortune.

Further plans will be laid Sunday evening at 8:30 p.m. at the Industrial USO for the proposed meet to be sponsored by the Brainbusters early this fall. Full cooperation of all model builders will be required to plan this contest, and all are urged to attend this important meeting.

A number of club members are planning to attend the contest in Baltimore Sunday, July 30, but several have no rides as yet. Anyone planning to go to Baltimore on July 30 who wants riders, please contact Frank Parmenter at 340 or Paul Marchal at 251.

## Military Training

From page 1

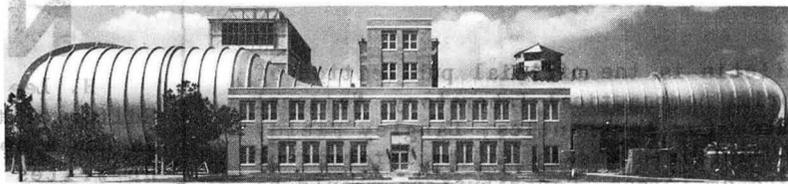
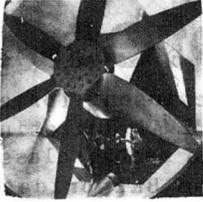
577 and leave their names before Wednesday, July 26. Shortly after that date another meeting will be held and orders will be placed for materials to be used in the course which will be selected for initiating the program.

ARTHUR JOYNER

DIES JULY 12

Arthur Joyner, who was recently assigned to work in the West Model Shop of the Laboratory, died on Wednesday, July 12, in Buxton Hospital. The funeral was at his home in North Carolina.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 32, Vol. 3

Langley Field, Virginia, July 29-August 4, 1944

Page 1

### ORIENTATION REACHES 699 TALENT CALL MIMES ISSUE CHAMPIONSHIP CONTEST TO BE HELD OCTOBER 1

The programs for better acquainting new employees with the Laboratory have been held regularly for the past five months and have been presented to 699 employees.

At these programs, which consist of a one hour meeting in the projection room and a tour of several activities, new employees have the opportunity of meeting at least eight officials of IMAL, hearing about the organization, and seeing some of the service and research activities in operation.

Starting last February 12 with a group of 18 new professionals, the meetings are now held once each week with nearly 50 employees of all classifications.

At the meetings, H. J. E. Reid gives the official welcome for the entire Laboratory. The three department chiefs or their representatives are introduced, and they explain in brief how their work ties in with the other units. Brief talks are delivered on personnel policy, the relationship between the employee and the community, and the services and facilities of the Laboratory.

The chart of the organization is explained, showing the breakdown of each department into divisions. Talks are then made on the history of the NACA and the history of a typical job.

The group is then divided into two sections to visit the

The USO Mimes, a dramatic club recently organized by the Industrial USO for the purpose of producing plays, floor shows, skits, talent shows, and other forms of entertainment, is again making a call for talent.

Plans are underway for the production of a three act comedy with special acts. Roles are open for eight males and four females, and try outs will be held on Wednesday nights at 7 o'clock at the USO. Talent is also needed for the special acts which include singing, dancing, musical numbers, stunts, skits, etc. Experienced persons for back stage work such as electricians, soundeffects, property, etc., are also being sought.

Anyone interested in trying out for a part may contact one of the following members of the casting committee: Sally Mason, East Engineering Section; Madeline Williams, Planning and Procurement; Dick Palmisano, East Engineering; Ray Murpny, East Engineering; Katherine Muir, Industrial USO; or Mrs. Muir, Assistant Director of the USO, at 7782.

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activities. Generally, each group visits a wind tunnel, a shop, and one other research activity.

Starting next week, other members of the staff who have expressed a desire to attend the programs will be given an opportunity to do so.

The Brain Busters' championship contest has been set for October 1, and plans are under way to bring the prize money up to the \$500 mark. The Avion club has posted a \$25 war bond, and W. T. Thomas, owner of Thomas Morse Aircraft Company in World War I, has contributed \$25 for the purchase of a trophy.

Several club members plan to enter the Model Aircraft meet Sunday, July 30 at the Modelhaven flying field of the Baltimore Aero-Craftmen. This contest will be sponsored by the Model Aircraft Company of Baltimore. At present, George Gentry and Frank Parmenter, W. Machine Shop; Charles Folk, Instrument Service; Dick Sladek, Dynamic Model Shop; and Paul Marchal, East Engineering are definitely planning to go, and Frank "the challenger" Cisco is planning to take a carload of entrants. In the past, the Brain Busters have taken over half the prizes at Baltimore, and they are planning a repeat performance, if their luck holds out.

#### SOFTBALL SCORES:

19' PT 13, AID 0  
AWT 11, FST 2  
ITD 19, Stab. 1  
Struct. 8, Eng. 5  
Tank 9, 8' HS 7  
Tank 23, Stab. 14



The LMAL Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor . . . . . Tiny Hutton  
 Managing Editor. . . . . Ruth Angel  
 Sports . . . . . Si Diskin, Nancy Shelton  
 Reporters. . . . . LMAL Employees

## RECREATIONAL FACILITIES NEEDED BY LAB EMPLOYEES

by Pete Korycinski

The employees of LMAL represent the cross-section of our country. They come from communities large and small. It doesn't take long for these people, particularly the young ones, to become aware of the shortcomings of the local community and LMAL itself as far as recreation is concerned. They have come here to perform a vital task in the war effort. But only eight or nine hours are spent each day at work. It is the time between the end of working hours and bedtime that relaxation is most needed. They require variation in activity for relaxation. At present, to find facilities or means for this relaxation requires more than ingenuity.

### *League And Clubs Have Been Organized*

For the past several years, a number of athletic sports have been undertaken. The increase in participation and support that such sports as bowling, softball, touch football and basketball have received has given a strong indication that such means of recreation are most welcome. Other athletic endeavors, such as the golf club, the athletic club, girls' softball and basketball add further emphasis that such athletic activity is desired and appreciated.

### *Army Facilities Crowded*

The Army facilities on Langley Field are operating at full capacity. During the spring and summer of 1943, an NACA baseball team was incorporated into the Army league and stayed in the upper half of the league standings. This season the participation of an NACA baseball team in the Army league was not possible; nor was it possible to use the Army's baseball diamond. No diamond - no baseball, and since no other baseball diamonds exist in the community, NACA's baseball players are deprived of participating in the grand American sport.

### *All Facilities Crowded*

Sports other than baseball have suffered to a lesser extent. In touch football, a field was not always available. There have been times when a football game had to be shortened with unsatisfactory results to the teams as well as to the spectators because the field had to be turned over to some other organization. The softball league is encountering similar

Continued on page 5

# Service Notes...

H. Lee Dickinson, former Editor of the LMAL Bulletin, is now a seaman second class. He writes from Bainbridge, Maryland, "Uncle Sam is sending me back to school. Arrived here last night for a 16-week yeoman course. That means I won't be home again until late November....Regards to all my buddies (male and female)." Lee's new address is: H. L. Dickinson, S 2/c, Yeoman Draft 713, U.S.N.T.C., Bainbridge, Maryland.

Captain A. W. Starkey, now Major Starkey, worked at LMAL during the summers of 1938 and '39, and has been overseas for three years. His new address is: Major A. W. Starkey, O-25126, Ng 1278th Engineer (C) Bn., APO 231, c/o Postmaster, New York City, N. Y.

Work has been received that Seaman First Class Larry Fogarty, formerly of 19-Foot Pressure Tunnel, is at Great Lakes studying Radar.

John Harrington writes another long letter from somewhere in New Guinea. He says, "In the April 22-28 issue of the Bulletin, it was most gratifying to learn that a "living memorial in the form of a building where sports, theatricals, and meetings might be fostered for the general good of the community" was suggested by Starr Truscott....I would be most happy to contribute whatever I can to the fund, for I know what good a building of this type will do for the Peninsula." John's new address is: Pfc. John S. Harrington 15362898, 20th Combat Mapping Squadron, APO 713, Unit 1, c/o Postmaster, San Francisco, California.

Lieutenant Leonard H. Purdy writes that in the past months he has been married and is now at a new training base. His address is O-814964, S. O. D., Sec.;H, Box 9, AAFPS, Dodge City, Kansas.



# SPORTS

## Girls' Softball



The third place Structures team chalked up another victory Tuesday by tripping FGDA 17-3. Good pitching by Sibil Bateman plus strong fielding held the FGDA team scoreless until the last half of the last inning. Maxine Spaur of Structures hit the only home run of the game. Sue Waters pitched for the losers until the fourth inning when she was ably relieved by Ann Merfeld. ALD nosed out AWT 14-13 on Wednesday to take over first place in the league. The two teams were tied previously at six won and one lost. It was AWT's ball game until the last half of the last inning when AWT errors and a home run by Constance Mynatt turned the tide.

## CARL CECIL TWIRLS NO-HITTER AS LTT ROMPS OVER STABILITY

The only no-hitter of the season was turned in by Carl Cecil last Wednesday when he pitched his Low Turbulence team to a 19-1 victory over Stability. The batting attack was led by Bart Geer, shortstop, and Bob Nuber, first baseman. The two collected eight of the fourteen hits garnered off Dick Everett, the losing pitcher.

Featured by Al Martina's one-hit nurling, 19-Foot Pressure Tunnel overpowered Aircraft Loads 13-1. Bill Aiken, who twirled for ALD and who was charged with the defeat, was the lad who spoiled Martina's chances for a no-hitter.

Paced by Harold Johnson, second baseman, who collected three hits and a walk for a perfect day at bat, AWT defeated Full Scale 11-2. Jim Scriven won his seventh game of the season while Roy Lange, Full Scale, was charged with his fourth loss. This win strengthened AWT's hold on fourth place.

The Tank won two games last week, defeating 8-Foot High Speed 9-7, and Stability 23-14. In the first game, although outthit 12-6, the Tank took advantage of seven errors committed by 8-Foot to emerge the victor. Charlie Daniels was the winning pitcher with Don Baals the loser. Jack Posner, short-fielder for Tank, and Hank Fedziuk, third baseman for 8-Foot, collected a single and home run each.

In the Tank-Stability game, Tank scored thirteen runs in the third inning to put the opponents in the background and emerge victor with a score of 23-14. Charlie Daniels, who made the only home run of the game, was the winning pitcher and Dick Everett the loser.

Structures triumphed over Engineering by the score of 8-5. George Zender, pitcher for Structures, gave up ten hits to win his first game of the season; four of the hits, including two singles, a double, and a triple, were collected by Don Lietzke, shortstop. Jim Dawson, the losing pitcher, gave up ten hits, including three by Johnny Neff, third baseman.

Jerry Couch pitched for the winners and struck out one and walked four. Margaret Farmer, on the mound for AWT, allowed only one walk. She also led her team at bat with a home run and a triple.

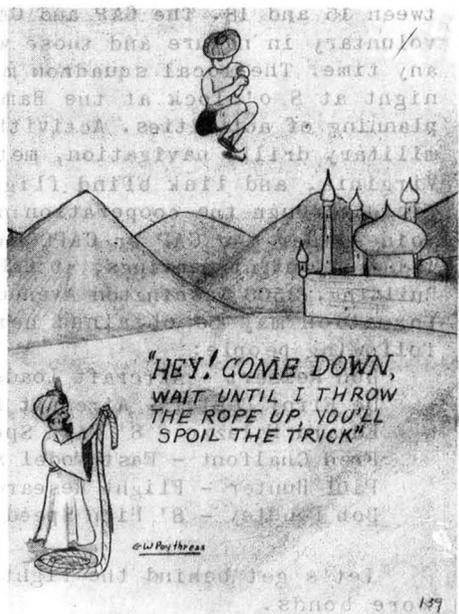
John Houbolt umpired the game.

Team	Won	Lost	Pct.
ALD	7	1	.875
AWT	6	2	.750
Struc.	5	2	.714
Personnel	4	4	.500
16-Foot	3	4	.429
E. Mach.	2	4	.333
PRT	2	6	.250
TDT-FGDA-8'	1	5	.167

## STANDINGS:

Pos.	Team	Won	Lost	Pct.	G. B.
1	Structures (8)	9	2	.818	-
1	19' Pressure (14)	9	2	.818	-
3	East Area Shops (12)	8	2	.800	1/2
4	AWT (6)	7	3	.700	1-1/2
5	Flight Research (13)	7	4	.636	2
6	PRT (10)	5	4	.555	3
7	Tank (5)	6	5	.545	3
8	Full-Scale (3)	5	5	.500	3-1/2
8	8' High Speed (4)	5	5	.500	3-1/2
10	Low Turbulence (7)	5	6	.455	4
11	Instrument Research (9)	3	8	.273	6
12	Engineering (1)	2	9	.182	7
13	Stability (2)	1	9	.100	7-1/2
13	Aircraft Loads (11)	1	9	.100	7-1/2

Let's put NACA back on top; raise bond allotments to 15%.



"HEY! COME DOWN,  
WAIT UNTIL I THROW  
THE ROPE UP, YOU'LL  
SPOIL THE TRICK"

© W. Pay Thross

# CAP PLAYING BIG ROLE IN WAR TIME AVIATION

The CAP is a civilian auxiliary of the U. S. Army Air Forces and, as such, is under the command of General H. H. Arnold through the National Headquarters of the CAP. It was formed about December 1, 1941 for the purpose of utilizing civilian pilots and equipment for National Defense. At the time of organization it was a part of the Office of Civilian Defense where it remained until the summer of 1943 when the CAP became an auxiliary of the U. S. Air Forces.

## *Search For Enemy Subs*

Upon the outbreak of the war the CAP took over the job of patrolling the seacoasts for submarines which were preying on shipping at that time. This patrol work was done in small planes ranging from 65 horsepower up to 400 horsepower and for a long while had no armament but only a radio with which to call Navy or Coast Guard planes or snips to destroy submarines which the CAP planes had sighted. Many convoys and coastal ships were saved by these small planes which dove at the subs, causing them to submerge and to move to some other location. After a number of subs had escaped destruction because of the time required for military planes or ships to reach the spot at which the sub had last been seen, the military authorities decided to arm the CAP planes with a single 100 or 400 pound bomb, depending on the size of the plane. CAP members rigged up their own bombsights made at a total cost of thirty cents. After this, at least two sub sinkings were credited to CAP planes and other probables.

## *Training Has Postwar Possibilities*

The Army, Navy, and Coast Guard now have the men and equipment which they lacked at the start of the war and have now taken over the job of coast patrol. This does not mean that the CAP is no longer necessary, by any means. The CAP is now recruiting 17 year old boys for the Air Corps and older girls for the WAC. In addition many civilians of all ages are getting training in the aviation field which will be of great value to them during the Air Age which will come not too long after this war. Jobs will be open to qualified persons as pilots, mechanics, meteorologists, navigators, and control tower operators, to name a few.

## *Activities Now Varied*

Enlistment in the CAP is open to both men and women over 18 years of age and in the CAP Cadets to boys and girls between 15 and 18. The CAP and CAPC organizations are entirely voluntary in nature and those wishing to do so may resign at any time. The local squadron meets once a week on Wednesday night at 8 o'clock at the Hampton Armory for training and planning of activities. Activities at the present time include military drill, navigation, meteorology, flying at Hopewell, Virginia, and link blind flight training given at Langley Field through the cooperation of the Army. Anyone wishing to join either the CAP or CAPC may obtain applications at the Wednesday night meetings, at CAP Headquarters, HRPE Commissary Building, 2506 Washington Avenue, Newport News. Additional information may be obtained here on Langley Field from the following people:

Don Reisert - Aircraft Loads - 266  
De Elroy Beeler - Aircraft Loads - 266  
Edward Palazzo - 8' High Speed Tunnel - 238  
Fred Cialfont - East Model Shop - 254  
Paul Hunter - Flight Research - 264  
Bob Pendley - 8' High Speed Tunnel - 292

Let's get behind the fight, not behind in the fight. Buy more bonds.

# FRD DANCE

## AUGUST 19

The Flight Research Division is presenting another of its gala semi-formal dances at the Chamberlin Country Club on Saturday, August 19, from 10 'til 1.

A limited number of invitations are available to members of the Laboratory staff. The subscription price is two dollars. Complete information may be had by contacting Esther Wendling at 229.

Eddie Travis and his orchestra will provide the music.

# USO GYM CLUB HOLDS MEETING

A large group attended the last meeting of the Gymn Club at the Hampton Industrial USO to witness the weight lifting and the high bar exhibition by Israel Tabach and Sam Kelly. Among the spectators was the governing group of the USO.

A club policy was presented to the members and copies will be distributed and the policy discussed at the meeting on Monday night, July 31. At this time, committees for various sports will also be appointed. All persons interested are urged to be on hand.

# USO NEWS

This week's program at the Hampton Industrial USO will open on Sunday, July 30, with open house. On Monday, July 31, the Athletic Club will meet, and on Tuesday, August 1, the American Legion will held its meeting. The USO Mimes will meet on Wednesday, August 2, and a movie will be shown on Thursday, August 3. The Friday, August 4 and Saturday August 5 calendars will be featured by open house.



# RIGHT TO COMPENSATION FOR PERSONAL INJURIES OF CIVIL EMPLOYEES

## WHAT TO DO WHEN INJURED

1. Report the injury to your immediate official superior without delay.

This is important to protect you in case of dispute. Also make note of the names and addresses of those witnessing the injury.

2. Then secure first aid treatment. Do not neglect the small injuries.

Sometimes blood poisoning or permanent disability or death results from neglecting a slight injury.

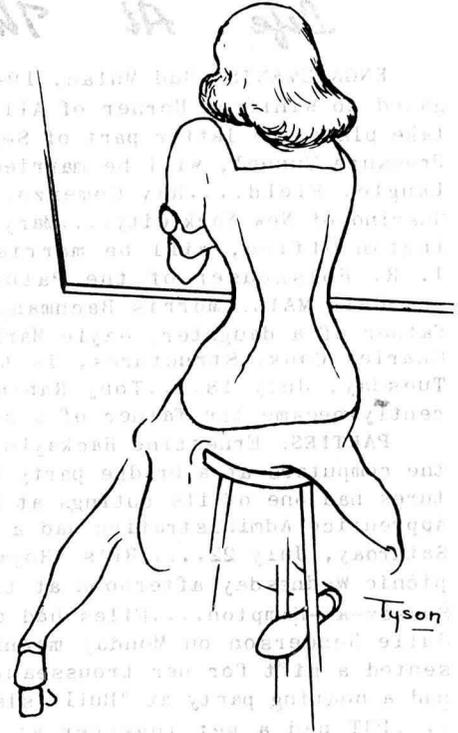
3. Treatment by the medical officer or dispensary of your establishment, or if there is none, by the physician or hospital provided by the Compensation Commission to treat injuries, will cost you nothing.

4. Claim should be made promptly. Unless made within one year Commission is without jurisdiction.

If in doubt about your rights under the compensation law, write to the Compensation Commission.

The blank form for this purpose may be obtained from your official superior.

5. An injured employee is entitled to have any claim for payment of compensation or medical or hospital service on account of an injury which he believes was sustained while in the performance of duty on or after September 7, 1916, passed upon by the Compensation Commission.



PLOTTING CURVES

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## RECREATIONAL FACILITIES

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Continued from page 2

difficulties this season. Furthermore, there is a sad need for tennis courts in the locality. In all, it is obvious that recreational facilities are lacking and must be provided either by the community or by the LMAI, or preferably by both.

### Cost Bars Dances

Social functions sponsored by groups large and small are very popular. The number of beach parties held during the summer proves this point. But the social aspect, in general, is far from attractive. A group weeking to throw a party or a dance soon encounters a prohibitive financial barrier which must be surmounted before an adequate place of entertainment is obtained. This one barrier effectively limits social activities, and consequently, the personnel have fewer parties and dances to enjoy. The problem is to obtain an LMAI recreation center

sufficiently large to accommodate functions held by LMAI social organizations.

Another form of recreation can be classified as arts and hobbies. A large majority of the members of the Hampton Little Theatre are LMAI employees. Although this organization is well organized, it too, encounters numerous difficulties which could be alleviated by proper equipment, storage facilities and an adequate theatre. From time to time, various musical organizations arise only to fall because no adequate facilities exist for rehearsals and storage of equipment.

To a model maker, building and eventually flying his model is more than a hobby, more than a sport - it's a passion. The majority of the model makers at LMAI have been attracted here by the work done by the NACA. They have among themselves young men who have distinguished themselves

in the field of model aircraft, and whose names are known nationally in model aircraft circles. One problem these young men face is that of finding adequate workshops. No especial place is available them at present, and they pursue their sport under a handicap.

Over three thousand people are employed at LMAI. While each individual has his own idea of recreation, collectively the problem resolves into providing recreational activities after working hours. The need for recreational facilities is obvious. Also it has been shown time and again that morale is a very important factor in work output. A high morale is possible only when sufficient recreational facilities are provided. If recreational facilities are provided, the general demeanor of the personnel of LMAI will be reflected in their work output.

**ENGAGEMENTS:** Bud Mulac, 19-Foot Pressure Tunnel, is engaged to Winifred Horner of Alliance, Ohio. The wedding will take place the latter part of September.... Polly Obst, 19-Foot Pressure Tunnel, will be married in August to Floyd Pyles of Langley Field.... Ray Comenzo, AWT, is engaged to Lucy V. Guarino of New York City.... Mary Virginia Sutton, now of Washington Office, will be married early in August to Lieut. J. R. Holsnouser of the Patuxent Naval Air Station.

**HEIR MAIL:** Morris Bachman, Construction, is the proud father of a daughter, Gayle Marie, born Tuesday, July 18.... Charles Cook, Structures, is the father of a daughter born Tuesday, July 18.... Toby Rabinovitz, East Model Shop, recently became the father of a son, David Benjamin.

**PARTIES:** Ernestine Hackaylo, 16-Foot Tunnel, entertained the computers at a bridge party on Thursday, July 20.... Structures had one of its outings at Grand View Thursday, July 27.. Apprentice Administration had a swimming party at Grand View, Saturday, July 22.... IRL's "Royal Order of Hot Buddies" had a picnic Wednesday afternoon at the estate of Mary Mourness in Susséx-at-Hampton.... Files had a surprise birthday party for Julie Henderson on Monday morning, July 24. Julie was presented a gift for her trousseau.... Sara Carmines, Messenger, had a boating party at "Bull Island" for Files and Messengers.... PRT had a get together at Grand View Sunday, July 23. Before the party, everyone met at Hampton High School where the girls challenged the boys in a game of softball - the boys were required to bat and pitch left-hand.

**WELCOME BACK:** PRT welcomes Arvid Keith back after a five-weeks illness.... Personnel Records welcomes Ann Carmines, Virginia Powell, and June Heckman back from a tour of duty in the Washington Office.... Instrument Service welcomes Bill Elder back after recuperating from a recent eye operation.

**WEDDING BELLS:** Dottie Teague, Electrical Office, was married in New York on July 22 to Major Irving L. Pollet. Major Pollet has just returned from two and a half years in New Guinea.

**MISCELLANY:** Jack Nielson has left Full Scale Tunnel to become one of Uncle Sam's boys.... Frances Leigh and Kay Desander, Files, flew to Washington over the week-end to visit Mary Ann Bartoshesky, formerly of Files.... Phyllis Reitheimer and Jerry Heiser, 16-Foot, have returned from a loooong week-end at Phyllis' home in Philadelphia.

**VISITORS:** The AEKL editions of the Braig family, Eugene, Administrative Officer, and Roswell, Procurement Officer, visited the Lab this week.

## STILL GOING UP

The latest report from the Bond Office says that cash sales in the Invasion Loan Drive have reached an unprecedented high of \$114,700. All sales made before Tuesday, August 1, will add to the total figure.

**WANTED:** A 35 mm. camera. Contact Dave Ullman, Reproduction, 209.

**FOR SALE:** A 1936 Dodge Coupe. Price \$175. Contact G. W. Poythress, West Machine Shop.

**LOST:** A Chi Epsilon Civil Engineering honorary key. If found, please contact Gus Boughan at 216.

**WANTED:** A twin lens, reflex camera. Contact Dick Everett, Dynamic Tunnels Operation Shop, 246.

**FOUND:** A new raincoat was left in the Citizens National Bank of Hampton after pay day on Thursday, July 20. Owner may contact the bank.

**WANTED TO TRADE:** A man's bicycle in exchange for a \$25 war bond. Contact Dwight McSmith at Hampton 6661.

**FOR RENT:** Half of a double garage, contact Mrs. Warner Ferguson, 445 Newport News Ave., telephone 5475.

**LOST:** A pair of horn rimmed glasses. If found contact Ruby Allen, phone 329.

Have you been sunburned this summer? Chances are good that if you have spent a week-end or even a day at the beach, the answer is yes.

Sunburn has taken first place among the many hazards of summer playtime, due to prolonged exposure. This generally happens when Joe lays down on the beach and goes to sleep or when Susie tries to work up that "glorious tan" in one sitting. It should also be remembered that over exposure may occur even on a cloudy day, and if it does, the damage may be greater because you don't suspect what is going on. Also, the liability to burn is increased when on the surface of the water, due to the reflection of the sun's rays from the water.

All in all, a bad case of sunburn can be pretty painful. It can keep you away from work for several days, and in extreme cases, result in severe illness.

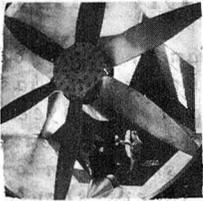
Of course, the best answer is to stay out of the sun, but if you desire, as who doesn't, an overall complexion of one of the many shades between dark yellow and golden brown, here are a few preventions and several cures.

### Take It Gradually

Application of olive oil, cocoa butter, or some good commercial burn ointment before exposure is of considerable help. If the damage is already done, and your back is taking on the appearance of a broiled lobster, try Calamine lotion which soothes and does not stain the clothes. A burn ointment that is very good is a wet dressing of Epsom salt solution. If blistering is extensive, a dressing of sterile gauze should be used, and if the burn covers a considerable area of the body or a fever develops, send for the doctor.

**RIDERS WANTED:** Dorothy Hall, Library, is driving to Dothan, Alabama sometime after August 1 and would like riders to share expenses.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 33, Vol. 3

Langley Field, Virginia, August 5-11, 1944

Page 1

### JEAN ALLEN WINS MISS LMAL TITLE

The two months of waiting and hoping by the entire staff (16 girls in particular) was brought to an end last Friday night at 10:45 with the announcement of the winners of the Miss LMAL contest. The winner was Jean Allen, Files, and the three runners-up, in the order picked, were Nancy McCarthy, Circulation, Elizabeth Scott, Office of the Chief of Administration, and Ruth Angel, Bulletin.

Prior to the announcement, the contestants were presented to the crowd of 800 who attended the Green Cow dance at the Grand View pavilion. The girls were all dressed formally and were escorted onto the floor in typical "college dance" fashion. The contestants and their escorts were as follows: Viva Michels with Alvin Brittingham, Marijean Saunders with Ed Howe, Frances Leigh with Melvin Butler, Ruth Angel with Jack Paulson, Ruth Miller with Lieut. Clayton Young, Helen Hanks with Buck Barber, Elizabeth Scott with Paul Taylor, Dickie Creech with Bill Preston, Nancy McCarthy with Sam McDowell, Jean Allen with Bill Armstrong, Katie Banick with Dick Braig, Letitia Smith with Pvt. Donald Kammer, Mary Margaret Soper with Paul Cartabiano, Audrey Lange with Roy Lange, and Louise Neal

continued on page 3

### A MESSAGE TO THE STAFF

I wish to take this opportunity to express my deep personal concern with the problems of safety and health affecting each Laboratory employee. The NACA has established safety and health rules and provided facilities designed to protect employees from the hazards associated with their work. To that end the safety rules and regulations should be strictly complied with and the facilities provided be fully used.

In examining our recent accident statistics, I have noted that our accident frequency rate has been decreasing. However, the frequency rate is still high enough to indicate to me that there remains considerable room for improvement in our accident record. The accident statistics mean more than numbers typed on a piece of paper; they represent pain to the individual employee, loss of time from the job, and permanent disabilities. You, as an employee or supervisor, must consider safety and health as an important element in your job for in no other way can we get our work done without accidents.

I would like to have your suggestions as to ways in which our safety practices, facilities, and equipment can be improved. If you have an idea that you think is good, put it in writing and send it to me through the Safety Engineer, whose office is located on the first floor of the Service Building. The Safety Engineer will immediately study the suggestion and report to me, each week, on all safety suggestion submitted.

### SALES HIT NEW HIGH IN CAMPAIGN REPORT

Final returns on the Invasion Loan Drive at LMAL show a new all-time high in bond purchasing here with sales totalling \$271,618.89. The total figure exceeded the quota of \$219,106.39 by more than \$50,000. Starr Truscott, chairman

Everything about the campaign broke all previous records. In addition to the new high in total sales, cash sales went over the \$109,670 high of the Third War Loan by reaching \$118,091.50. Payroll allotments for the month of July were \$80,690.06, also a new high. The total figure exceeded the quota of \$219,106.39 by more than \$50,000. Starr Truscott, chairman of the Laboratory drive, stated that he was "tickled to death" with the result, but that he was not surprised by the high figure. He said, "Long ago I ceased to become astonished at any outstanding accomplishment of the Labor-

continued on page 6



The LMAL Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor . . . . . Tiny Hutton  
 Managing Editor. . . . . Ruth Angel  
 Sports . . . . . Si Diskin, Nancy Shelton  
 Reporters. . . . . LMAL Employees

*To The Purchasers*

Much has been written and spoken about the accomplishments of the Laboratory in the Invasion War Loan Drive. The Laboratory as a whole, the campaign committee, and the solicitors have all come in for their share of the praise. Seemingly forgotten until now have been those upon whose shoulders rested the ultimate success or failure of the attempt, the individual purchasers. To those 1630 workers, whose cooperativeness, far-sightedness, and unity of purpose have made them true servants of the people, belongs the major portion of the glory. A few had to be sold; a few had to be persuaded; a few had to be convinced; but with the majority, the gesture was voluntary.

*An Orchid To The Green Cow*

The Green Cow committee, which was so freely passing out orchids to the winners of the Miss LMAL Contest last Friday, should have reserved one, at least a literal one, for themselves for promoting the best dance that many a Laboratory employee has had a chance to attend in many a moon.

The success of the dance was well attested to by the crowd, estimated between 800 and 1000, which voiced loud approval of the extra hour of dancing.

For the promotion of the dance, and the awarding of prizes to the winners, we offer to Bill Craig and his cohorts a well deserved, "Thanks".

*Congratulations, AAL*

The personnel at Ames Aeronautical Laboratory is the latest of the NACA family to join the newspaper world. First it was the LMAL Bulletin, then AERL's Wing Tips, and now, AAL has joined the staff of the Moffett News, the weekly publication of the Naval Air Station.

The AAL staff will use one page of the paper each issue. The first page carried a story on the B-29, which underwent tests at the California lab as well as our own. The News is a ten page, standard tabloid sized paper. Its other nine pages are devoted to news of the Naval installation.

The staff of the Bulletin is happy to welcome Editor Jerome L. Kushnick and his staff to the NACA publication family, and to extend to them, on behalf of LMAL, congratulations and best wishes for success.

★ ★ ★

Let's get behind the fight, not behind in the fight. Buy more bonds.

**REQUEST TIME SHEETS ON TIME**

Arthur Samet, Chief of the Fiscal Division, has asked that all employees remember to get their semi-monthly time sheets in on time. These sheets should be in the Cost Office by 1 p.m. on the day following the end of the pay period which they cover.

Frequently, these sheets are utilized in the preparation of the payroll and can cause considerable delay by their not being in on time.

**BLOOD TYPING TO CONTINUE**

Beginning Monday, August 7, the program of typing the blood of employees will be carried on only in the dispensaries.

Since February 28, the Dispensary has been cooperating with the Dixie Hospital in typing the blood of 1,486 employees who have expressed willingness to donate blood in emergencies to fellow employees and their families. Since the typing was begun, Nurse Verna Sears has visited different activities to take the samples of blood. Now the service will be available only at the dispensaries on the following schedule: East Area Dispensary, Tuesdays from 9:30 until 10:30 a.m., West Area Dispensary, Wednesdays from 9:30 until 10:30 a.m.

Any employee who wishes to schedule an appointment at either dispensary is requested to telephone the Safety and Health Section at 302.

FOUND: A gold pin with the names Zennie and Roland on it. Owner may contact the Bulletin Office, 376.

FOR SALE: Still being offered is a set of golf clubs. Contact Harry Hamilton, Photo Lab, 259.



# SPORTS



## Girls' Softball

### EAS MOVES INTO TIE FOR FIRST

In one of the tightest games played this season, East Area Shops shut out 19-Foot Pressure Tunnel 2-0. This win moved East Area Shops up into a first place tie with Structures.

Dale Burrows of EAS and Al Martina of 19-Foot, were both in excellent form, allowing only two and three hits respectively. Burrows struck out seven men and Martina 11 during the afternoon. Each pitcher walked four men. The winning runs were scored in the sixth inning as a result of a walk, a sacrifice, two miscues, and a single by Frank Vollrath, centerfielder. Clarence Brown, shortstop, solved Martina's slants for two hits.

On Tuesday, Jim Scriven and Ray Comenzo proved the big guns in AWT's rousing defeat of Low Turbulence, 11-0. Scriven performed well on the mound, allowing only three hits. Comenzo garnered a triple and two home runs during four trips to the plate and started two double plays from his shortstop position. Lou Stivers pitched for Low Turbulence. Bart Geer and Bob Nuber got the only hits for the losers; Geer got two and Nuber one. The win moved AWT to within one-half a game of second place.

The game between Structures and Full-Scale ended in a 8-8 deadlock last Friday when it was called at the end of the eighth inning on account of darkness and the Green Cow dance.

Instrument Research dropped Stability to the cellar position in the league by defeating them 5-3. Howard Edwards, IRD, and McLaughlin, were the opposing hurlers. Edwards not only pitched good ball in setting down the opposing team on four hits, but also batted well. His triple and single gave him the batting honors for the day. Tony Schettler, first baseman for IRD, also collected two hits. McLaughlin gave up six hits.

Aircraft Loads caught Flight Research napping in the seventh inning of their game last Sunday, and pushed across nine runs, sufficient to enable them to win the ball game 14-13. FRD had been well out in front when the blitzkrieg began. Dwight Fearnow pitched for the victors while Bill Bradley started for FRD. Fred Daum relieved him in the seventh inning. ALD outhit FRD eleven to ten.

In a game played last week, PRT nosed out Engineering 5-3. Sam Vollo was the winning pitcher and Jim Dawson the loser.

Standings;

Pos.	Team	Won	Lost	Pct.	G.B.
1	Structures (8)	9	2	.818	-
2	East Area Shops (12)	9	2	.818	-
3	19' Pressure (14)	9	3	.750	1/2
4	AWT (6)	8	3	.727	1-1/2
5	PRT (10)	6	4	.600	2-1/2
6	Flight Research (13)	7	5	.583	2-1/2
7	Tank (5)	6	5	.545	3
8	Full-Scale (3)	5	5	.500	3-1/2
8	8' High Speed (4)	5	5	.500	3-1/2
10	Low Turbulence (7)	5	7	.417	4
11	Instrument Res. (9)	4	8	.333	5-1/2
12	Aircraft Loads (11)	2	9	.182	7
13	Engineering (1)	2	10	.166	7-1/2
14	Stability (2)	1	10	.091	8

The captains of the various girls' softball teams have been asked to submit candidates for berths on the All-Star team which will tangle with the WAC's of H.R.P.E. on Wednesday, August 9, 6:30 p.m., at Armstrong School. The WAC's have previously played and defeated an LMAL team and rumor has it that they are stiff competition, but the LMAL girls are getting in shape to give them a hard fight. One practice will be held Monday, August 7, 5:30 p.m., at Armstrong School. All-Stars are urged to be on hand at the practice and help put the LMAL team on top.

All games were rained out this week except the Structures-16 Foot game which was played on Tuesday. With the score tied 6-6 at the end of the fifth inning, Structures came through to score eight runs in the extra inning to defeat 16-foot 14-6. Sybil Bateman was credited with the win and Ferne Driver with the loss.

Team	Won	Lost	Pct.
ALD	7	1	.875
AWT	6	2	.750
Structures	6	2	.750
Personnel	4	4	.500
16'	3	5	.375
D.Mod.-Mach.S.	2	4	.333
PRT	2	6	.250
FGDA-8'-TDT	1	5	.167

### MISS LMAL

Continued from page 1

with Bill Hudgins. Mary Lou Mackie, the sixteenth contestant, was unable to attend. Following the presentation of prizes, by Bill Craig on behalf of the Green Cow, the contestants and their escorts took part in a special waltz.

The winners were picked by Cecil B. de Mille of Paramount Pictures, who said in his letter, "It was a great pleasure to judge the beauty contest...The candidates are all fine examples of young American womanhood."

## Life At The Laboratory

**WEDDING BELLS:** Bertha Tallman, PRT, and Bob Stewart, West Machine Shop, tied the final knot on Monday, July 24, at the new Lutheran Church on Kecoughtan Road....Cost Office bids Mary Margaret Soper farewell and best wishes. She is planning to be married this week to Lt. Gordon Tresch, Chatham Field, Georgia....Margaret Plumlee, East Computing Section, has left the Laboratory to be married to Charles Cagle of Knoxville, Tennessee....Mary Lou Duval, Stability Tunnel, and Dick Sawyer, Flight Research, were married Thursday, August 3, at St. John's Episcopal Church...The home of Mr. and Mrs. Charles Martin was the scene, July 25, of the marriage of Marie Campbell, Electrical Storage, and Eddie Hagedorn, Elec. 2/c USN.

**HEIR MAIL:** Elizabeth Carter, head of the Computing Section at 8-Foot, recently became the mother of a daughter, Helen Marshall....J. M. Watson, AWT, is the proud father of a daughter, Sharon Jean, born July 26....Michael Arne Conway made his first appearance July 31. His dad is Bob Conway of PRT.

**WELCOME BACK:** The Editorial Office welcomes Mary Lou Mackie back after recuperating from a recent appendectomy.

**PARTIES:** 19-Foot Pressure Tunnel had a very successful beach party at Virginia Beach, Sunday, July 30....In an effort to overcome the heat, 16-Foot Tunnel had a get together at Virginia Beach, Sunday July 30....Impact Basin had its first section meeting last Tuesday night. Melvin Hathaway gave a talk on "The History of the Impact Basin"....The supervisors in the Administrative Department made merry last Wednesday after work at the Oak Point Club.

**ILL WINDS:** Wilmer Scott, recently transferred from Fiscal to the Washington Office is recuperating from an operation at Mt. Alto Hospital in Washington.

**ENGAGED:** Kitty Ragland, Dynamic Shop, and Bob Stewart, East Model, are making plans for a fall wedding. The date has not been set.

## TYPHOID SHOTS NOW AVAILABLE

Peninsula residents who have not yet been inoculated against typhoid fever and who wish to obtain immunization from the disease may still take the shots on Saturday mornings.

Residents of Elizabeth City County may use the clinic at the county court house on North King Street in Hampton at any time between 9 and 11 a.m. on Saturday. For Warwick County residents, a clinic is held at the health office in Hilton Village from 9 a.m. until 12 noon.

A total of three inoculations must be taken over a period of three weeks. The service is offered at the cost of ten cents for each shot.

Be a CAR-FULL driver.

## USO NEWS

This week's program at the Hampton Industrial USO will open on Sunday, August 6, with open house. On Monday, August 7, the Athletic Club will meet at 7:30 p.m. and the bridge club at 8 p.m. The American Legion will have a sing-around-piano at 8 p.m. on Tuesday, August 8. The USO Mimes will meet at 8 p.m. on Wednesday, August 9, and the chess club will meet at 9 p.m. Thursday's calendar will be featured by a movie at 8:30 p.m. and prior to the movie the Calisthenics class will meet at 7 p.m. Both the Friday, August 11, and Saturday, August 12, calendars will be featured by open house.

★ ★ ★

**LOST:** A pair of sun glasses in brown leather case. Glasses ground to my prescription. Finder contact Fred Chalfont, East Model Shop, 254.

## BRAIN BUSTERS

Seven places in three events were won by the nine Brainbusters who attended the model meet in Baltimore last week-end. A high wind during the early afternoon prevented good flights, and consequently, times were rather low.

Morris Huff, who lost his rubber powered ship in the clouds, totaled ten minutes to take first place in that event. Dick Sladek placed third, and Jesse Shepard came in fourth.

The class C gas model contest was almost a clean sweep for the NACA contestants. Frank Parmenter flew his cyclone powered "Swoose" to first place. Second place was won by Walter Good of the Chevy Chase Balsa Beavers. Good, who hails from Michigan, was national radio control champion in 1938, 1939, and 1940. His entry was a tiger powered "Guff". Dick Sladek came in third with his tiger powered "Honeyboy", and Paul Marchal was fourth with his cyclone powered "Hot Rock", which also placed fourth in the beauty contest.

The Brainbusters who attended the meet were: George Gentry, Frank Parmenter, Bill Poythress and Morris Huff, West Machine Shop; Charles Folk, Instrument Service; Dick Sladek, Dynamic Model Shop; Paul Marchal, East Engineering; and Jesse Shepard and Walter Ihlefield, West Sheetmetal.

The Brainbusters contest, which will be held October 1, was announced at the meet, and contestants from Baltimore, Washington, and Chevy Chase declared that they would be on hand to give the Brainbusters a little competition.

**WANTED TO BUY:** A portable typewriter, preferably a late model. Call the Bulletin Office, 376.

**FOR SALE:** Standard typewriter, Royal #10, in good condition. Contact Bulletin Office, phone 376.

# R. E. MIXSON, OLDEST EMPLOYEE, ROUNDS QUARTER-CENTURY MARK

Friday, August 11, is the quarter century mark in the service of the Laboratory's oldest employee in length of service Robert Earle Mixson. It was twenty-five years ago that "Mix", fresh from a two year stretch in the Navy, came with the Committee as an Airplane Motor Mechanic, and was assigned to the hangar as half of the line crew. The other half was Fred E. Hunsecker who is now with the Marines at Cherry Point, N. C.

R. E. Mixson first saw the light of day in Blackville, S. C. on November 16, 1895. Early in his life he began a work career that seems natural to every American youth. He seemed especially adapted to the mechanic's trade and finally wound up as a garage mechanic. In 1917, after eight years with the garage, he got the desire to join the colors, and on July 5 he signed up. "No", he points out, "it wasn't a fourth of July party. It was just that several of us went to Columbia to enlist on the fourth and the office was closed, so we hung around for another day."

## Two Years With Navy

He was stationed at Norfolk and early in 1918 transferred to Naval aviation. He then advanced to Chief Machinist's Mate. At the time the Navy began to develop the fleet air, they sent a detachment to Langley Field and Mixson was sent along in charge of the motor overhaul shop. At this time, the Laboratory was struggling through its early days, and did not have all the equipment that was needed. E. P. Warner, the chief physicist, approached "Mix" and got permission to use some of the machine tools assigned to his detachment. It was through this connection that employment here was offered, pending his discharge from the Navy. The discharge came through on August 9 and on August 11 he entered on duty here.

There were about 20 employees here at that time, and most of them lived on the post. Some of the married men had family quarters the same as Army officers, and the single ones had rooms in the Administration Building. Mixson was assigned quarters in the room now occupied by the Classification Office. He soon found out that a young man had a hard time making the last street car from Hampton, and that taxi fare



Robert Earle Mixson

several times a week would more than pay for a room in town.

His first job was at the hangar, and he was later assigned to AWT when that tunnel was put into operation. He also assisted in setting up the VDT.

## Writes Report With Crowley

Professor Everett P. Leslie, one of Dr. Durand's assistants at Stanford was spending a sabbatical year here doing flight research on a series of propellers. As Mixson puts it, "I was assigned to him as his man Friday". Following Leslie's departure, he was transferred to Flight Research where work was done supplementing Leslie's. Mixson and John W. Crowley, Jr. co-authored a

technical report on this work.

After this he went into instrument work and later took over Instrument Calibration. It was while he was in this spot that the Blueprint Room came his way. It had formerly been connected with the Drafting Room, but when that section moved, they had no vault in which to store the prints.

## Starts Work In Reproduction

This was the beginning of his present section, Reproduction. Added to the Blueprint Room, he now has the Photo Lab, Photostat group, Illustrative group, and the Chemical and Metallurgical Lab. His subordinates reach into many fields. They include, in their number, chemists, metallurgists, artists, draftsmen, photographers, blueprint and photostat machine operators, clerks, photo-engravers, photo-lithographers, plate makers, and multilith operators.

In addition to his work along regular lines, "Mix" has had a hand in some of the "extra-curricular" activities at the Lab. Along with Hunsecker, he was in on the start of the Coffee Club, forerunner of our cafeteria, and with Carlton Kemper and George Dawson, he was prominent in the organization of the Noble Order of the Green Cow.

On June 23, 1923, Mixson married Mary Stuart Ford of Hampton. They have one daughter, Margaret, who will enter college this fall at Randolph-Macon.

FOUND: A pocket slide rule and case in the men's room in the Administration Building, July 28. Owner may have same by identifying at Bulletin Office.

SPECIAL NOTICE: Racquet restringing, tennis and badminton, expert workmanship, best quality gut. Contact Ed Kilgore or Milton Dubrov, East Engineering.

You can't spell victory with an absent "t".

# PROPOSE PLANS FOR RECREATION CENTER

(An Editorial)  
by Andrew J. Hayes

Are you interested in some form of recreation, something to do with yourself after working hours, something that you can really get a kick out of and enjoy? If your answer is "Yes", then the problem of getting exactly what you want is solved. The proposed LMAL Recreation Association is doing its best to arouse your interest to the point where you will want to help and aid the Association in its drive for adequate recreational facilities for all employees.

Many times in the past, the efforts of various individuals and groups have been directed toward the establishment of a recreational center here at LMAL. They failed however; it's an old story. They failed because they didn't have the organization; they weren't big enough to do the job right. As most of us realize, the Laboratory has greatly increased in size since the war, and with this growth in personnel, the need for some form of extensive recreational program has become very pressing. We now have enough personnel to establish such a program.

A few LMAL employees, realizing that the only reason that the other groups failed to establish a sound program was because they did not have all the employees in back of them, are now banding together under the LMAL Recreational Association with the intent of once and for all putting this program across for everyone.

Not content with merely sitting by and waiting for something to happen, this handful of employees are putting everything they have into awakening your interest in a program designed to be "just what the doctor ordered!" This recreation group has proposed a plan for a Laboratory recreational center. Their plans, which are still in preliminary stages, propose a modest building in the West Area, along with ample football and baseball fields. The proposed building could very easily accommodate sectional and divisional activities. The facilities will include lockers, showers, toilets for men and women, and a large main room suitable for dancing, screened in during the summer and glassed in during the winter. The grounds will be levelled and drained for baseball diamonds and foot-

ball fields to meet the growing demands of those particular activities. There will be room for archery and tennis courts also. All this we can have, providing we all pull together under the LMAL Recreation Association.

Representatives of the following organizations are trying to recruit any and all Laboratory employees, interested in their activities, to support the association: Green Cow, Brainbusters, Men's Softball, Women's Softball, Touch-football, Basketball, various drama groups, the Hampton Athletic Association, Golf club, and Tennis club. The representatives can't do it all however, and it's up to you and me to do all we can to see that the program is carried out for our mutual benefit. Those employees now functioning and holding office in the Association were only temporarily elected by interested employees. It is the purpose of the Association to assure and emphasize to all employees that it is their organization to do with as they see fit. To make the venture a wholehearted success, all of us must take some part in its varied program. Merely talking and wishful thinking

aren't enough. In order to attain its objective, the Association will provide democratically elected representation from every department, division, and section of the Laboratory. It is thus hoped that every employee will have an opportunity to take an active part in the program. Last Monday at the Association meeting, an election committee was appointed, with Pete Korycinski as chairman, to organize a plan of employee representation. Any employee who has any suggestions along the line of employee elected representatives is invited to contact the chairman.

The LMAL Recreation Association is pointing the way toward a goal of very earnestly needed recreational activity. The future is bright and it is hoped that every organization, every employee, will pledge their full support. Individually, we can accomplish little, together, 3000 strong, we can have the LMAL Recreation Center.

## BOND DRIVE

Continued from page 1

atory employees. They can do anything they set their minds to. I am very happy to have been associated with this fine victory. I wish to express my heartfelt appreciation to everyone who has had a part in it, the campaign committee, the solicitors, the bond office, and most certainly to the purchasers. Without them we could have done nothing. It was their money, their will, and their success."

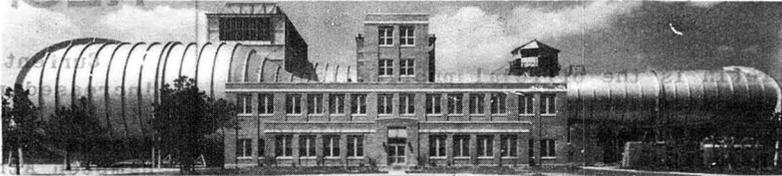
★ ★ ★

FOR SALE: Lady's balloon tire bicycle and man's victory bike. Both in excellent condition. Contact Bert Deis, E. Machine, 383.

★ ★ ★

WANTED TO BUY: 16 and 35 mm cameras, projectors, and sound equipment. Write B.G. Bennett, 340 La Salle Avenue.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 34, Vol. 3

Langley Field, Virginia, August 12-18, 1944

Page 1

### GREEN COW TO HAVE DANCE AUGUST 25

Pleased with the success of its first summer venture in two years, the Noble Order of the Green Cow will stage another of its summer spectacles at the Grand View pavilion on Friday, August 25. Dancing will be from 10 until 1 this time instead of the usual 9 to 12.

Admission to the dance is by season membership ticket only. Membership is \$3.50 and tickets can be bought from Bill Craig, Employment, Charlie Kelly, Full-Scale Tunnel, Tiny Hutton, Bulletin, and Sid Batterson, Impact Basin.

### FRD DANCE AUGUST 19

The Flight Research Division is presenting another of its gala semi-formal dances at the Chamberlin Country Club on Saturday, August 19, from 10 'til 1.

A limited number of invitations are available to members of the Laboratory staff. The subscription price is two dollars. Complete information may be had by contacting Esther Wendling at 229.

#### LIBRARY RECEIVES TWO NEW VOLUMES

On Wednesday, August 9, the library received bound volumes of Luftfahrtforschung and Physikalische Zeitschrift for 1943 from the Alien Custodian Agency. Because of the war, copies of these two volumes have not been received until the present.

### A MESSAGE TO THE STAFF

In visiting the various Laboratory facilities, I frequently observe disordered buildings and grounds, unnecessary accumulations of trash and other examples of "bad housekeeping." I realize the pressure under which we all must work and can understand the difficulties involved at times in "getting the job done" and keeping things clean and orderly. However, I wish to stress the importance of "good housekeeping" as an important element in "getting the job done." It should be apparent that disorder results in loss of time in finding the tools or materials with which we work and that disorder and uncleanness contribute to unsafe and unhealthy conditions which may cause accidents and loss of time on the part of employees on the job.

The best way to have "good housekeeping" is for each employee to avoid the creation of disorder and accumulations of trash by returning equipment, papers, and materials to their proper place promptly as soon as they have served their purpose and to place trash in the receptacles provided for that purpose. It is only through the cooperation of each individual employee that we can have "good housekeeping." No janitorial service of reasonable proportions can take the place of "good housekeeping" on the part of each individual employee.

I am proud of this Laboratory and its ability to "get the job done." When I accompany visitors through the Laboratory I would like to have the same feeling of pride in connection with presenting clean and orderly facilities since this factor is often so much more apparent to visitors than our ability to "get the job done".

(Editor's note: Due to the haste in the final preparation of the Bulletin for publication last week, the signature of H. J. E. Reid under the article titled "A Message To The Staff" was regrettably omitted.)

### BOOKLET READY FOR DISTRIBUTION

A new 16 page illustrated booklet titled "NACA, LMAL, and You", designed to give a new employee a better picture of his job and surroundings, is now ready for distribution.

A booklet will be given to each new employee as he or she enters on duty. There are

also a sufficient number of copies to make one available to any older employee who would like to have one.

Any employee who would like to have a copy may obtain one by calling the Personnel Services Office, telephone 377.



The LMAL Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor . . . . . Tiny Hutton  
Managing Editor. . . . . Ruth Angel  
Sports . . . . . Si Diskin, Nancy Shelton  
Reporters. . . . . LMAL Employees

## *Life At The Laboratory*

**SCOOPED AGAIN:** The following announcement appeared in Sunday's Daily Press: "W. E. Webb of Fries announces the engagement of his daughter, Ruth DeBord, to Kent Howard Horton, son of Mr. and Mrs. Gilbert R. Horton of Jamestown, N. D. The wedding will be solemnized in October."

**WEDDING BELLS:** Polly Obst, 19-Foot Pressure Tunnel, was married Thursday, August 3, to Floyd Pyles of Langley Field... Marjorie Mumford, L Purchase, and Bill Petring, Full Scale Tunnel, were married Friday, August 4, at St. John's Episcopal Church, Hampton.

**MISCELLANY:** Louise Cox and Harold Crane, Flight Research, are visiting Harold's home in Mass.

**WELCOME BACK:** PRT welcomes Ava King back after a month's absence....Charlie Kelly, Full Scale Tunnel, is back at work after recuperating from an infected throat.

**PARTIES:** PRT had another beach party at Virginia Beach Sunday, August 6....Club 55 had another of its very successful parties Saturday night, August 5.

**HEIR MAIL:** Martin J. Menges, Electrical Shop, is the proud father of a daughter, Miriam Post.

**FROM ONE EXTREME TO THE OTHER:** "The Promise", a Hampton One Design sailboat built and owned by John Houbolt, Structures, and Bunny Klawans, Flight Research, proved itself worthy of the name when it came in first in the race for Hampton Ones held Sunday at the Yacht Club. (The spectators were surprised to see that the sails had dried out since the July 4 race).

**'MY LADY' WINS AGAIN:** Ray Hansen and his wife, Althea, sailed their racing cruiser, "My Lady", to Urbanna to take first place in the cruiser class in the Virginia Sailing Regatta held July 29 and 30. This was "My Lady's" fourth victory within a year.

**ILL WINDS:** The Bulletin Staff joins the East Machine Shop and the rest of the Laboratory in wishing E. J. Shave a speedy recovery. He is now confined at the Dixie Hospital.

**WEDDING BELLS:** Kitty Pyle, Maintenance Office will marry Wayne Clark of Norfolk, nephew of Lieut. General Mark W. Clark, in Bristol, Va.-Tenn., August 19. Elizabeth Saunders, Maintenance Office, will be a bridesmaid. Maintenance Office gave a farewell party for Kitty last week at Buckroe....The staff of the Impact Basin is recuperating one by one from the shock of the surprise wedding of Mary Ellen Bass and Wilbur Mayo at Manteo, N. C. last Saturday.

## H.A.A. OFFERS RECREATION

Current with the drive for increased recreational activity as sponsored by the LMAL Recreation Association, the Hampton Athletic Association has been tentatively formed under the auspices of the Hampton Industrial USO and the Hampton-Elizabeth City County Recreational Association. Its purpose is that of a gym club, to provide locally, all the men and women of the Hampton area with the gymnasium facilities for physical recreation in the form of gymnastics, boxing, weight lifting, handball, wrestling, fencing, and archery, if desired. It is emphasized that the H.A.A. will in no way interfere with the activities as sponsored here at LMAL by the LMAL Recreation Association. On the contrary, it is designed to supplement and broaden the Association's program centrally in the Hampton community, and to cooperate with it in every respect.

The weekly Monday evening meetings, held at 7:30 in the Hampton Industrial USO, have been attended largely by LMAL employees.

The present organization consists of only temporarily elected officers and is very desirous of further support from the athletes of LMAL. The H.A.A. has already been approved by the proposed LMAL Recreation Association as an important member of that Association. The temporarily elected officers have gone ahead, and through the cooperation of the Industrial USO and the Syms-Eaton Community Center Association have been promised adequate gymnasium facilities, including lockers and showers, in the old Syms-Eaton School Building on Academy Street.

A constitution has been drawn up and awaits approval for adoption in the near future. Various activity committees have been appointed to look into the purchase and placement of adequate equipment.



# SPORTS

## LEADING BATTERS

With two weeks left before playoffs in the USO-NACA softball league, statistics have been compiled on the leading hitters. Pat Cancro, 19' captain and shortstop, is leading the league with an average of .515. Walter Woods, Structures second baseman, has the most hits, 19; Fred Daum, FRD pitcher, the most runs, 19; and Ray Comenzo, AWT shortstop, the most runs batted in, 20.

In figuring the leaders, only players with at least 20 official times at bat are listed.

The leaders:

Name	Team	AB	H	Avg.
Cancro	19'	33	17	.515
Brittingham	EAS	21	10	.476
Woods	Str.	40	19	.475
Comenzo	AWT	33	15	.455
McKee	AWT	22	10	.455
Neff	Str.	39	17	.436
Spooner	19'	35	15	.429
Nuber	LTT	38	16	.421
Hansen	IRD	30	12	.400

## ENGINEERING UPSETS EAS 4-1

In the biggest upset of the season, Engineering upset the East Area Shops, 4-1. The draftsmen collected only four hits off Shop pitcher Dale Burrows, but they took advantage of four costly errors to make everything count. Ralph Schrenell, third baseman, led the victors at the plate with two for three. Jim Dawson, on the mound for the winners, allowed six hits, but was highly effective in the pinches to win his third game of the season.

Stability gained an undisputed claim to the cellar by losing to Aircraft Loads, 9-5.

Instrument Research and the 8-foot High-Speed Tunnel battled closely for seven innings with IRD coming out on top 6-5. Pitcher Ray Hansen of IRD and first baseman Luke Liccini of 8-foot both hit for the circuit. Catcher Moe Taubenslag of IRD was instrumental in the win.

Standings:

Pos.	Team	Won	Lost	Pct.	G.B.
1	Structures (8)	9	2	.818	-
2	East Area Shops (12)	9	3	.750	1/2
2	19' Pressure (14)	9	3	.750	1/2
4	AWT (6)	8	3	.727	1
5	PRT (10)	6	4	.600	2-1/2
6	Flight Research (13)	7	5	.583	2-1/2
7	Tank (5)	6	5	.545	3
8	8' High Speed (4)	5	6	.455	4
9	Full-Scale (3)	4	5	.444	4
10	Low Turbulence (7)	5	7	.417	4-1/2
11	Instrument Research (9)	5	7	.385	5
12	Engineering (1)	3	9	.250	6-1/2
12	Aircraft Loads (11)	3	9	.250	6-1/2
14	Stability (2)	1	11	.083	8-1/2

## ALD WINS CHAMPIONSHIP TITLE

ALD clinched the league championship last Thursday by a 4-3 victory over Structures. Jerry Couch tossed for ALD and allowed eight hits and one walk. Sybil Bateman, hurling for the losers, gave up four hits and a walk.

Co-Captain Dot Beadle and Kit Carson led the winners in the field from their second base and short field positions. Coleman Donaldson umpired the game.

The All-Star team has another game scheduled for Wednesday, August 16, with the Wacs at Camp Patrick Henry. Transportation is needed and anyone willing to drive a car and take team members is asked to call Annie Young at 226.

### LIBRARY OBTAINS MICROFILM READER

Several weeks ago the library received a microfilm reader which is available for use by all engineers. The reader can use either 16mm. or 35mm. film, and various films that the library has have been catalogued and are likewise available for use.

LOST: A red and blue Lady Buxton billfold containing money, driver's license, pictures, receipts, etc. Finder please contact Evelyn Renfro at 251.

FOR SALE: Electric record player in excellent condition. Contact Juanita Crawford, 422 Seminole Road, Hampton.

## GIRLS' STANDINGS

Standings:

Team	Won	Lost	Pct.
ALD	8	1	.888
AWT	6	2	.750
Structures	6	3	.667
Personnel	4	4	.500
16' Tunnel	3	5	.375
DMS-EMS	2	5	.276
FGDA-8'-TDT	2	5	.276
PRT	2	6	.250

## BRAIN BUSTERS

The Brainbusters will meet Sunday evening at 8:30 at the Industrial USO. A committee comprised of the officers and Leigh Lewis have been making plans for the coming contest and victory banquet, and will make a full report.

Bob Davis, D.M.S., took first place in the open class at the sixth annual Maple Lake Aquacade in Clarksburg, W. Va., last week. The meet was a hydro event and only rubber powered models were flown.

You can't spell victory with an absent "t".

# POLIO PREVALENT..TAKE HEED

The months of June through September are generally recognized as the time when infantile paralysis (known as poliomyelitis to the medical profession, polio to the newspapers, and as a deadly terror to all mankind) goes on a rampage through the United States. Tidewater Virginia is adjacent to the belt where the disease is most prevalent.

The following hints on how to combat an epidemic are reprinted from a bulletin of The National Foundation for Infantile Paralysis, Inc. It is suggested that this material be taken home so that every member of the family of each employee be given an opportunity to read it. Additional copies, if desired, may be obtained from the Bulletin Office.

1. During an outbreak of infantile paralysis be alert to any early signs of illness or changes in normal state of health, especially in children. Do not assume that a stomach upset with vomiting, constipation, diarrhea, severe headache or signs of a cold and fever are of no importance. These may be among the first symptoms of infantile paralysis. All children and adults sick with unexplained fever should be put to bed and isolated pending medical diagnosis.

2. Don't delay calling a physician. Expert medical care given early may prevent many of the crippling deformities. Proper care from the onset may mean the difference between a life of crippling and normal recovery.

3. Today there is no known prevention or protection against infantile paralysis. All that can be done is to provide the best possible care. Your doctor, your health officer and your local Chapter of The National Foundation for Infantile Paralysis can and will do everything in their power to see to it that your community is ready to meet an epidemic.

4. Observe these simple precautions:

(a) Avoid overtiring and extreme fatigue from strenuous exercise.

(b) Avoid sudden chilling such as would come from a plunge into extremely cold water on a very hot day.

(c) Pay careful attention to personal cleanliness, such as thorough hand washing before eating. Hygienic habits should always

be observed.

(d) If possible avoid tonsil and adenoid operations during epidemics. Careful study has shown that such operations, when done during an epidemic, tend to increase the danger of contracting infantile paralysis in its most serious form.

(e) Use the purest milk and water you can. Keep flies away from food. While the exact means of spread of the disease is not known, contaminated water and milk are always dangerous and flies have repeatedly been shown to carry the infantile paralysis virus.

(f) Do not swim in polluted water.

(g) Maintain community sanitation at a high level at all times.

(h) Avoid all unnecessary contact with any illness suspicious of infantile paralysis.

5. Don't become hysterical if cases do occur in your neighborhood. While infantile paralysis is communicable or catching during any outbreak, there are many who have such a slight infection that there are few or no symptoms. This large number of unrecognized infections is one of the reasons there is no practical way of preventing the spread of the disease. But it is also reassuring to know that, of the many persons who become infected, few develop serious illness and that, with good care, the majority who are stricken will make a satisfactory recovery. Remember that although this is a frightful disease, needless fear and panic only cause more trouble.

6. Attempts to stop the spread of the virus by closing places where people congregate have been uniformly unsuccessful. The resulting disturbance to community life is a disadvantage. Today there is no way by which the spread of infantile paralysis can be completely stopped.

7. There is no known cure for infantile paralysis. Good medical care will prevent or correct some deformities. But in about every fourth or fifth case there will be permanent paralysis that cannot be overcome. Do not believe those who for one reason or another promise to cure these cases. Be guided by sound medical advice if polio does strike in your family.

## MIMES STILL NEED TALENT

The USO Mimes are completing plans to produce a three act comedy in the early fall. The play that has been selected is "Funzapoppin". Talent is still needed for the special acts which include singing, dancing, musical numbers, stunts,

skits, etc. Any one interested in participating in this production is invited to attend the meeting on Wednesday night, August 17, at 7:30.

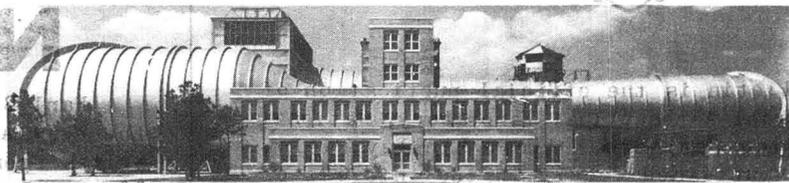
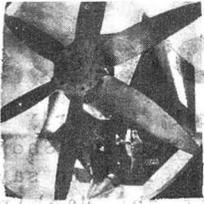
LOST in the Administration Building, a white silk kerchief with the Navy insignia embroidered on it. If found, contact Mart Norman, Receptionist.

FOR SALE: Balsa wood and an Olsen "23" motor. Contact C. W. Johnson, West Engineering, 301.

FOUND: Wrist watch in West Area. If properly identified, it may be obtained from Asa Horrocks, Foundry.

NEW TELEPHONE NUMBER: West Area Leave Clerks, 247.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 35, Vol. 3 Langley Field, Virginia, August 19-25, 1944

Page 1

### ENGINEERS TURN LIFESAVERS AND SAVE TWO LIVES

Through the quick action of Claude Hart and Charlie Kelly, Full Scale Tunnel, James E. Dorsey, Instructor in music at the Hampton Institute, and his small son, James E. Dorsey, Jr., were saved from near-drowning when their canoe capsized in Hampton Roads Saturday evening, August 12.

Hart and Kelly were just entering the mouth of the Roads in a sailboat when they saw the canoe overturn. Hart swam about 75 yards to rescue the two drowning persons while Kelly maneuvered the boat up to the scene of the accident. After a struggle with the man and boy, both were finally dragged aboard the sailboat and taken to the naval facility at Hampton Institute where artificial respiration was administered.

Bunny Klawans, who arrived at the scene of the accident soon after the rescue, retrieved and towed the overturned canoe into the naval facility.

★ ★ ★

### PLAN POST-SEASON SOFTBALL LEAGUE

Any men's teams interested in playing in a post-season softball league are asked to contact the Bulletin Office, 376. Plans are being made for a six team league to extend through September. Games will be played on a diamond east of the traffic circle on Langley Field road.

### STAFF ASKED TO RETURN ENVELOPES

*A change in the status of franked Government envelopes has made necessary a tightening up of the use of envelopes bearing the frank. By frank is meant the printing in the upper right-hand corner of official envelopes which reads, "Official business - penalty for private use to avoid payment of postage, \$300."*

*The new regulations require payment by the Committee for the frank on all franked envelopes used as though the frank were a postage stamp whether used for interoffice correspondence, as file containers, or for mail. In order to avoid unnecessary expense to the Committee, all sections having in their possession franked envelopes are requested to return them to the Duplicating Section and obtain unfranked envelopes. This must not be delayed because the new regulations are already in effect. The use of franked envelopes for any except official mailing purposes, is a violation of the Federal Law.*

### SOCGER LEAGUE

An attempt is being made to organize a girls' soccer league this fall. All girls interested in playing, whether they know how or not, are asked to contact Annie Young, 226.

### PLANS FORMING FOR MODEL MEET

Plans for the Brainbusters Model Championship contest, which will be held in October, are progressing rapidly. As previously announced, the prize list has been tentatively set at the \$500 mark, and numerous persons have expressed a desire to donate prizes for the event. Five trophies have been pledged to date. A complete list of prizes and donors will be available within the next two weeks.

Since this will be an all LMAL affair, the majority of the awards must be raised on the field. Any and all contributions will be appreciated, and it is hoped that some of the larger sections will consolidate their efforts and present a trophy. Costs of first place trophies range from \$25-\$40, second place, \$15-\$20, and third place, \$10-\$15. Smaller cash amounts will be needed to purchase medals and smaller awards. The following persons are authorized recipients of donations and are equipped with receipt books: Frank Parmenter and Bill Poythress, West Machine Shop; Charles Folk, Instrument Service; Leigh Lewis, Apprentice Administration; Dick Everett, D.T.O.S.; Dick Sladek, Dynamic Model Shop; and Joe Dodson and Paul Marchal, East Engineering.

An attempt is being made to hold the Victory Banquet Continued on page 2



The LMAI Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor . . . . . Tiny Hutton  
 Managing Editor. . . . . Ruth Angel  
 Sports . . . . . Si Diskin, Nancy Shelton  
 Reporters. . . . . LMAI Employees

## Life At The Laboratory

**ROMANCES:** Dorothy Pierce gave AWT a big surprise when she announced her marriage of May 21 to C.P.O. Walter Massey of the U. S. Navy....The engagement of Hazel Storey and Lloyd Fisher, Tank, was announced in Sunday's Daily Press. The wedding will take place in September....Rosellen Hoffman has left the Stability Tunnel to be married to Lt. Guy Via of Newport News....John M. Riebe, AWT, recently became engaged to his home town girl, Helen Price.

**HEIR MAIL:** Mark Nichols, PRT, was passing out cigars in a big way last Friday, August 12. It's a boy, Mark Lovell.

**PARTIES:** Full Scale Tunnel had a beach party at Grand View Saturday, August 19....Connie Pegues, 16-Foot, entertained the computers at a dinner party Wednesday night, August 16....Full Scale Analysis had a beach party at Virginia Beach Sunday, August 14....Reproduction celebrated with two parties this week. One was a lawn party given by Winifred Diller, and the other a dinner party at the home of Doris King for Frances Liddell who left the Laboratory Tuesday.

**ILL WINDS:** Evalyn Wells, who has been confined to Dixie Hospital for a few days is now recuperating at her home. AWT wishes her a speedy recovery....Virginia Finch, AWT, has returned to work after a brief stay in Dixie Hospital....Patsy Cole, ALD, is recuperating from a recent illness at her home in Front Royal.

**GOOD LUCK:** Full Scale Tunnel wishes Elizabeth Lipscomb the best of luck in her new job. She will work in Civilian Personnel Control at the McGuire Army General Hospital, Richmond.

**WRECKCREATION COMMITTEE:** AWT had a complete turn over in its Wreckcreation Committee. The new members are: Margaret Farmer, Chairman; Leroy Spearman, Marvin Schuldenfrei, Billy Bates, and Oleta Church.

**MISCELLANY:** The Impact Basin staff entertained for Mr. and Mrs. Wilmer Mayo last Saturday night at the home of Jackie Martin....16 Foot Computers had a surprise paper shower for Marie (Dutch) Holland in celebration of her first wedding anniversary Thursday, August 12....Sally Bourne was recently awarded a medal for bravery shown beyond the call of duty when she courageously overcame a fire which started in the ladies' room at the Structures Laboratory.

**FOR SALE:** One eighty (80) bass Italian make soprano accordion in excellent condition. Contact E. C. Cook, Dynamic Model Shop, 217.



**LOST:** A package containing a blue Hawaiian apron. Reward. Contact Betty Katchmore, Payroll.

# Service Notes...

Karl Birkel, formerly of the West Area Machine Shop, writes from New York to say, "Since I left the Machine Shop, the Navy has sent me to Machinist Mate School on the dry and dusty plains of Oklahoma for the first lap of studying. We spent twenty-one weeks there trying to learn all they threw at us. Then they shipped us to a gunnery base at Purcell which is a little farther into the wilds of that barren state. We stayed here eight weeks and learned to be Naval Aerial Gunners. I managed to graduate from there about two weeks ago and was one of the two men chosen to go to Flight Engineer School at Pan American Airways, I am now A.M.M. 3/c and have about thirteen more weeks of training as Flight Engineer." Karl's new address is: Karl Birkel, A.M.M. 3/c, N.T. Sch. Pan American Airways, 80-12 19th Avenue, Jackson Heights, New York.

D. E. (Gene) Hicks writes from Norman, Oklahoma to say, "I thought that the gang there would be interested to know that 1500 miles from NACA six former employees are here together. W. D. Leonard, Herby Aiken, D. E. Hicks and three other boys whose names I do not know. I'm afraid to take inventory of the place 'cause I might find that this place is made up entirely of NACA employees." Gene's address is: D. E. Hicks, S 2/c, 48-A-44 Brks 147, N.A.T.T.C., Norman, Oklahoma.

## BRAIN BUSTERS

Continued from page 1

in the Armory. Plans call for a sale of 200 tickets at \$1.25 per person. All awards will be made at the banquet, and several prominent guests are expected to be present.

If successful, this contest will rank as the largest contest on the East Coast.

## PRT MOVES TOWARD PLAYOFFS

Playing a fast game of ball behind the brilliant pitching of Sam Vollo, PRT made a desperate bid for a position in the playoffs by defeating AWT 4-2 and Full-Scale 3-1. Vollo was nicked for only six hits in the two games, three in each. John Knemeyer was on the mound for AWT and allowed five hits. Roy Lange did the pitching chores for Full-Scale and was touched for nine safeties. PRT's only remaining game is with the East Area Shops and, should the propellor team win, both teams would be tied for the third playoff spot with AWT. In case the 19' Tunnel drops their game with FRD; AWT, PRT, EAS, and 19' would all be tied for second place.

Structures is the only team certain of getting in the playoffs. They ran their record to ten wins and two losses by defeating Tank 10-2. Diskin and Daniels were the opposing moundsmen. John Neff, Structures catcher, and Jack Posner, Tank shortfielder, both hit for the circuit.

AWT downed the Tank team on the following day 7-6. Scriven and Daniels did the pitching. Ray Comenzo, AWT shortstop, led the batting attack with a double and a triple.

Full-Scale dropped games to both Stability and Loads. Stability won, 9-8, in nine innings and Loads took the long end of a 12-2 count.

The 8' HST team downed Low Turbulence, 9-4. Burly Baals went the route for the winners, and Jack Irwin and Lou Stivers pitched for the losers. John Henry, left field, and Andy Hayes, second base, each got two hits for the winners. Henry poked out a long triple with the bases loaded. He drove in a total of five runs for the day. Fred Rice, LTT left fielder, led the losers at the plate with three for four.

For the second successive time, the Full-Scale-Structures game was called on account of darkness after it had gone into extra innings. Si Diskin and Roy Lange faced each other on the mound. Diskin was touched for nine hits and Lange for six. Full-Scale had the game won until the seventh. With the score 3-1 and one man on base, Carl Rossman, Structures left fielder, hit a triple and scored on the fielder's error. The game was called at the end of the eighth inning.

The games remaining are: Structures-FST, EAS-PRT, 19'-FRD, and 8' HSR-Eng'g.



The Aircraft Loads Division team, champions of the Girls' Softball League. They are, left to right, Front row: Jackie Martin, third base; Helen Wall, right field; Virginia Smith, shortstop; Co-Captain Ethelda McArver, left field; Co-Captain Dot Beadle, second base; Jerry Crouch, pitcher; Margaret Steiner, short field. Back row: Kathleen Carson, center field; Jerry Cough, catcher; Thelma Stewart, manager; Mary Frances Mikell, catcher; Constance Mynatt, first base; Revie Bayer, right field; and Isabel Martin, left field. Coach Allen Stokke was not present when the picture was taken.

## ALL-STARS DROP GAMES TO WACS

In a game played Wednesday, August 5, the HRPE WAC's overwhelmed the NACA All-Stars by a score of 26-6. Margaret Farmer, AWT, and Sybil Bateman, Structures, pitchers for the losers, gave up ten and six hits respectively. Goldie, star for the WAC's, collected four of the hits. Margaret Farmer was the star in the NACA offense, hitting a triple.

The Patrick Henry WAC's defeated the NACA All-Star team by a close margin of 5-4 Wednesday, August 16. The winning run was scored in the last inning with one out. Sybil Bateman, pitching for the All-Stars, performed superbly on the mound. She yielded nine hits and one walk. Nancy Shelton, Ann Timberlake, and Chris Reynolds were the NACA offensive stars, gathering two hits each. The Purple Heart was awarded to Nancy Wall and Nancy Shelton (what, again!) for injuries obtained during the battle. Each player is commended for her all around good performance.

The beginning line-up for the All-Stars was as follows: Sybil Bateman, Structures, pitcher; Nancy Shelton, Personnel, catcher; Kay Desander, Files, first baseman; Jerry Crouch, ALD, second baseman; Chris Reynolds; Payroll, third baseman; Nancy Wall, 16 Foot, short stop; Kit Carson, ALD, short field; Ann Timberlake, AWT, right field; Margaret Farmer, AWT, center field; and Ann Merfeld, 8-Foot, left field.

On Tuesday, August 23, at 6:30 p.m. the All-Stars will tangle with the WAVES from the Naval Air Station, Norfolk. The game has been tentatively scheduled to be played at Armstrong School, however, an official announcement will be posted on the bulletin board.

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## H.A.A. NEWS

The Hampton Athletic Association appears to be well on its way to becoming a successful active organization, as the current membership drive has run the membership list to forty-five persons.

Three sports, badminton, weight lifting, and table tennis, are well under way. The badminton club has already held one meeting and has scheduled games for 7:30 each Wednesday evening in the rear of the Industrial USO. The weight lifters will tentatively hold their activities on Friday nights at 7:30 until the old Syms-Eaton school building can be obtained.

Plans are also being made for girls' badminton and archery classes. A track and field club is also being planned for those members who are interested in those events. It is thought, by club members, that there are many athletes in the community who would like to participate in such events, both from the standpoint of providing physical exercise for themselves and competing with other teams in the surrounding territory.

All persons who are interested in becoming members of the H.A.A. are urged to contact any of the men whose names appear on the announcements on the bulletin boards, or to attend the next regular meeting at 7:30, Monday evening, at the Industrial USO.

## SOUTHERNERS TO PLAY FOR NEXT DANCE

Blair Blanton and the Southerners, who have played for the last three Green Cow dances, are returning by popular demand to hold forth on the Grand View bandstand on August 25, it was announced by Bill Craig.

Craig also said that the hours of the dance would be from 9 until 12, instead of from 10 until 1, as announced last week.

Admission to the dance is by membership only. Season tickets are \$3.50 and may be purchased from any member of the executive committee.

## USO NEWS

This week's program at the Hampton Industrial USO will begin on Sunday, August 20, with open house. On Monday, August 21, the athletic and bridge clubs will meet. A sing-around-piano and a meeting of the American Legion will be held on Tuesday, August 22. On Wednesday, August 23, at 7:30 p.m. the USO Mimes will meet, and there will be an informal dance at 9 p.m. The Calisthenics class will meet at 7 p.m. on Thursday, August 24, and at 8:30 p.m. the movie "Alias the Deacon" will be shown. Both the Friday, August 25, and Saturday, August 26, calendars will be featured by open house.

## EMPLOYEES PLAN NEW TOUCH FOOTBALL LOOP

Another sports activity is being organized among LMAL employees - touch football. Plans are under way for the league schedule to begin by September 24. Each team is requested to send one or more representatives to a meeting which will be held at the Hampton Industrial USO on Wednesday, August 23, at 8 p.m. The purpose of the meeting will be to formulate all rules for the league games.

Any sections interested in participating in the league are asked to communicate with Irwin Schumacher, Engineering Section, 251; Bob Nuber, Air Flow Research, 249; Walt Williams, Flight Research, 264; or Gus Boughan, Structures, 216.

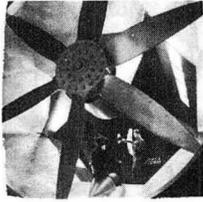
## STANDINGS:

Pos.	Team	Won	Lost	Pct.
1	Struc.	10	2	.833
2	EAS	9	3	.750
2	19'	9	3	.750
4	AWT	9	4	.692
5	PRT	8	4	.667
6	FRD	7	5	.583
7	8' HST	6	6	.500
8	Tank	6	7	.461
9	LTT	5	8	.385
9	IRD	5	8	.385
11	FST	4	8	.333
12	ALD	4	9	.308
13	Eng'g	3	9	.250
14	Stab.	2	11	.153

## NACA WAR BOND REPORT FOR JULY

	Washington	Langley	Ames	Cleveland	Total
Number of employees	116	3,025	596	2,348	6,085
Number participating	109	2,782	568	2,263	5,722
Percentage participating	93.97%	91.97%	95%	96.37%	94.03%
Monthly pay roll	\$27,440.94	\$630,139.04	\$140,326.84	\$537,702.77	\$1,335,609.59
Amount subscribed	3,316.88	80,718.25	14,254.33	53,527.60	151,817.06
Percentage subscribed	12.09%	12.81%	10%	9.95%	11.36%
Average subscription	\$30.43	\$29.01	\$25.09	\$23.65	\$26.63

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 36, Vol. 3

Langley Field, Virginia, August 26-September 1, 1944

Page 1

### A. A. ANNOUNCES VICTORY TALKS TO GROUP; EXEMPTING EXAMS TELLS OF EARLY HISTORY

Apprentices and prospective apprentices who have previously studied certain subjects required for their trade will be given an opportunity to receive credit for this training towards their apprenticeship through special exempting examinations which will be held at the Hampton High School, Tuesday and Wednesday, September 5th and 6th between the hours of 7:00 p.m. and 9:30 p.m. Full credit for the portion of the subjects covered by these examinations will be granted students who receive a passing mark on each of these comprehensive tests. Examinations will be held only during the time specified and will not be given again for several months.

The next school term will begin on October 2, 1944. Registration for related study classes will be held during the last two weeks of September.

#### TEMPORARY TAGS MUST BE EXCHANGED FOR METAL TAGS

A supply of NACA metal license tags has been received. All persons having temporary tags are required to bring them, along with fifty cents, to the Personnel Services Office as soon as possible and exchange them for a permanent plate. All temporary tags are being collected and any car without a metal plate will be barred from the field by the Army.



John F. Victory

The supervisors of the Administrative department and a few guests were privileged to hear the early history of the NACA, its policy of service, and its "valuable function to make this war end", from the person most capable of telling the complete story, John F. Victory, secretary of the Committee and also its first employee. Victory spoke to the assembled group in the projection room of the Administration Building on Wednesday evening.

He delved into the early history, saying that the story goes back to the efforts of Samuel Pierpont Langley, Secretary of the Smithsonian Institute, who devoted the later years of his life to proving the practicability of mechanical flight. By virtue of his

position, Langley gave the "highest dignity" to aeronautics. Langley repeatedly flew quarter size models of heavier than air machines which he called Aerodromes. He retired in 1896 with the statement, "I have thus demonstrated the practicability of mechanical flight." He said that it remained for others to carry on and build a full size, man carrying flying machine.

Theodore Roosevelt and William McKinley were responsible for an allotment of \$25,000 for Langley to continue his experiments, and in 1903, he came from retirement and started to work on a full size machine. In September, he made an unsuccessful attempt to fly it, and again on December 8, nine days before the Wright Brothers made their flight, he failed again. Langley retired, was ridiculed, and died of a broken heart.

The Smithsonian, recognizing the work of the Wrights, created the Langley medal and awarded it to them.

Dr. Charles D. Wolcott was the successor to Langley at the Smithsonian. He was a geologist, a man without even a high school education. Victory said of him, "He was a man of common sense to the highest degree of any in my experience." After an advisory committee for aeronautics, which had reopened the Langley workshop, had had its

Continued on page 4



The LMAI Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor . . . . . Tiny Hutton  
 Managing Editor. . . . . Ruth Angel  
 Sports . . . . . Si Diskin, Nancy Shelton  
 Reporters. . . . . LMAI Employees

**DO NOT PARK IN OFFICIAL LOT**

For the second time we are calling your attention to the fact that there are a number of parking spaces on the south end of the Administration Building that are reserved for special activities that are constantly being misused by indiscriminate parkers.

These spaces are reserved for several officials of the Laboratory, official cars and station wagons, and official visitors. There are hardly enough spaces to serve these needs now, and when unauthorized persons park there, it causes more confusion and conglomeration.

Persons who park incorrectly are liable to have their cars tagged by Laboratory guards.

A number of parking spaces, directly in front of the Administration Building, have recently been reserved for the use of Laboratory employees. Park in front or in back of the Administration Building, but DO NOT park on the south side of the building.

★ ★ ★

**CHANGE OF PACE**

*We used to live on a farm near a river when I was a boy, and one of my chores was to row across the river for milk every night. The current was strong, and I used to get pretty hot before I got back to our landing. After I had been rowing ten or fifteen minutes at a steady rate the work would get pretty monotonous, and it would begin to look as though the current was making more headway than I was. About that time I would change my pace - put on a quick burst of speed - and the rest of the trip would seem to take almost no time at all.*

*Sometimes nowadays I find myself in the middle of a monotonous job or tangled up in a knotty problem so that I seem to be making no progress at all. If I make a quick change of pace it sometimes surprises me how the whole job takes on a new cast and frequently comes to an end almost before I realize it. It's the change of pace that does it. Try it some time.*

C. Guy Ferguson

**TRAINING OFFICE MOVES**

The Training Office, formerly located on the second floor of the Administration Building, has moved to its new quarters on the first floor of the Utility Building. The telephone number is 300.

**LOST:** Two keys in a brown leather case. If found, please contact E. R. Jennings, AWT, 233.

**FOUND:** A bunch of keys with a miniature 1942 North Carolina license plate attached. Owner may call Bulletin.

**LIBRARY NEWS**

The following new books have been received by the Library:

668 S151 Industrial plastics, by Simons.

536.2 M54 Merkel, Friedrich: Die Grundlagen der Wärmeübertragung.

561.4 C84 Craig and Charters: Personnel leadership in industry.

651.4 Sch2 Schell, Erwin Haskell: The technique of executive control.

651.4 H51 Heyel, Carl: How to create job enthusiasm.

651.4 L14 Laird, Donald: The technique of handling people.

530.151 L23 Landau, I. and Lifshitz, E.: Statistical Physics.

536 G88 Grimsehl, E.: Heat and sound, being volume II of "A Textbook of Physics."

537 G88 Grimsehl, E.: Electricity and magnetism, being volume III of "A textbook of Physics."

535 G88 Grimsehl, E.: Optics, being volume IV of "A textbook of Physics."

658.3 I13 Jackey, David F.: The Craftsman Prepares To Teach.

629.1342 Sol Society of aeronautical weight engineers. Weight handbook.

**TENNIS NEWS**

With the resonant twang of solidly spanked tennis balls, the County Tennis Tournament will get under way on Sunday afternoon, August 27. The tournament is open to all residents of Elizabeth City County, and it is hoped that there will be many entries from NACA. Keen competition is anticipated and all newcomers are urged to enter.

Both double and single matches will be played. Rules and regulations of the tournament are given at the top of the entry blanks which may be obtained from the Bulletin Office, telephone 376. Drawings and schedules will be published in the Daily Press on Saturday, August 26.

**FOR SALE:** 1939 Indian Motorcycle. Contact Jerry Heiser, 16-Foot Tunnel, phone 286.

# FULL-SCALE DOES IT AT LAST

After two games had been called by darkness in extra innings, Full-Scale Tunnel took the measure of Structures, 3-1, on Tuesday. Roy Lange appeared to be in his old form, allowing only two hits. The winners played one of their best games of the season, and by their victory, stopped their losing streak at seven games and climbed into a tie for ninth place. The loss put Structures into a tie for first place with the 19' Tunnel.

Full-Scale gathered six hits off Si Diskin. Two of them came in the second inning when Brewer singled, Kinghorne walked, and scored on Schroeder's fly ball that Woods misjudged in center field.

Houbolt scored the only Structures run. He got a base on balls, was sacrificed to second by Diskin, went to third on an infield out, and came home on an illegal pitch.

In last week's games, Al Martina pitched one hit ball, shutting out FRD, 5-0, and moving 19' into a tie for first; and PRT came from behind to down EAS 9-7. The win put PRT, EAS, and AWT in a tie for third place. In the first game of the round-robin series to eliminate one of these teams, AWT scored six runs in the last inning to defeat the East Area Shop team, 9-4.

★ ★ ★

## BRAINBUSTERS COMPLETING PLANS

The Brainbusters Model Championship Contest, which is scheduled for October 1, is rapidly being organized into a seemingly successful undertaking.

Dick Everett, Dynamic Tunnel Operations Shop, nationally known model builder and flyer, will be contest director. He has made application to the Academy of Model Aeronautics for a sanction on the rubber powered event. All free-flight gas events will be flown under 1944 Brainbuster rules. Any size, shape, or weight gas powered model may be flown with any desired wing loading and fuselage cross-section. No landing gear is required. Gas models will be flown in classes A, B, and C, and a ten second engine run will be in force. An attempt is being made to have box lunches available to contestants and officials.

Margaret Lamberth, Stability, will be chief recorder.

The first place trophies in each of the four events have been pledged by the fol-

lowing donors: Class A gas powered, H. J. E. Reid; Class B gas powered, All American Brainbusters; Class C gas powered, Hampton Roads Model Company; and Rubber Powered, Dynamic Model Shop. Other donors are: W. T. Thomas, Charles A. Huicher, Structures Club, Tiny Hutton, Paul Taylor, Stability and Control, and East Engineering.

In addition to trophies, it is hoped that a Forster "29" or Forster "305" model airplane engine may be given for first place in each event.

If the rest of the Laboratory cooperates as wholeheartedly as the sections and individuals mentioned above, the contest should be the largest event of its kind in the country this year.

Leigh Lewis, Chairman of the Victory Banquet Committee, has announced that Starr Truscott, Chief of the Hydrodynamics Division, will act as Master of Ceremonies at the banquet which will be held at the Armory directly after the contest. At this time, all awards will be made.

## ALL-STARS WIN

The NACA Girls' All-Star team finally broke into the win column Tuesday when they downed the Norfolk WAVES 5-3 on the Armstrong school diamond.

The WAVES managed to get nine hits off Sybil Bateman, Structures, who turned in one of the finest performances of the season. Only one hit went for extra bases.

The winners collected 11 safeties, including three doubles and one triple. Nancy Shelton, Personnel catcher, got a double and two singles in three trips to the plate and Kit Carson, ALD short-fielder, hit three singles in a like number of tries. Edna Lishman, AWT shortstop, garnered two doubles in three attempts. Lishman and Carson both scored twice for the winners.

Putman, McQueen, and Curtorillo led the losers at bat, each with two hits.

Margaret Farmer, AWT centerfielder, got a good hand from the unusually large crowd after a spectacular catch in the sixth inning.

Feeling that they have at long last hit their winning stride, the All-Stars are looking for more games.

Innings	1	2	3	4	5	6	7	R	H	E
WAVES	0	0	0	2	0	0	1	3	9	0
All-Stars	1	0	0	3	0	1	x	5	11	2

## STANDINGS:

Standings:

Pos.	Team	Won	Lost	Pctg.
1	Struc.	10	3	.769
1	19'	10	3	.769
3	AWT	9	4	.692
3	EAS	9	4	.692
3	PRT	9	4	.692
6	FRD	7	6	.538
7	8' HST	6	6	.500
8	Tank	6	7	.461
9	LTT	5	8	.385
9	IRD	5	8	.385
9	FST	5	8	.385
12	ALD	4	9	.308
13	Eng'g	3	9	.250
14	Stab.	2	11	.153

## Life At The Laboratory

**WEDDING BELLS:** Ed Goral, PRT, was married Saturday, August 19, to Lillian Campbell of Saybille, N. Y....Louise Mizell, Personnel Services, was married to Joe Parker of the U. S. Navy on Tuesday, August 22, at South Mills. Joe has just returned after twenty months of overseas duty. Madeline Harrison, Files, was maid-of-honor.

**HEIR MAIL:** Bob Turner, 16-Foot Tunnel, recently became the proud father of a son....Steve Cavallo, Pilot, and his wife, Joan, formerly of Employment, are proud parents of a son, Stephen, born Friday, August 18....Bill Bivel, Full Scale Tunnel, is the father of a daughter, Mary Elizabeth, born August 15.

**CONDOLENCES:** To Bob Boswinkle, PRT, upon the death of his grandmother and brother....To Catherine Skrak, Reproduction, upon the death of her sister in Washington.

**MISCELLANY:** Aberdeen Stuart has left the Engineering Section to enter Georgia Tech....The East Area Shops softball team is planning a big get together to-night at the home of Frank Read....Joe Shortal, Free Flight Tunnel, and Toots Prospero, FRD, have returned from a cruise to Shangri La....Marvin Pitkin, Free Flight Tunnel, is making a desperate attempt to grow a beard before he meets his wife in New York next weekend. From his general appearance, it looks as if the attempt will be successful....Mary True, temporarily of the Washington Office, visited the Lab this week....Louise Neal, Leave, and Katie Banick, Leave, have returned to the Laboratory after working several months at the Washington Office....Congratulations to E. A. Vogt for his recent election as chef de gare of the local Forty and Eight Chapter.

## VICTORY SPEAKS

Continued from page 1

activities called off because it had not been created by law, he went to President Taft for governmental aid. There was not sufficient interest. He went to Wilson later with the same result. Then when the World War broke, it became the policy of the Wilson administration to observe the strictest neutrality, and he deemed the establishment of a committee on aeronautics an un-neutral act. Wolcott went to Congress, got a bill passed, and on March 3, 1915, it was presented to the President for his signature. It was signed, and so the NACA was created.

In 1916, the NACA occupied one-half of a room in the two room suite of the Army and Navy air organizations. The entire government personnel consisted of a Lieutenant-Colonel in charge of the Aviation Section of the Signal Corps, two civilian clerks, a Naval Captain in charge of the Naval branch, his one clerk, and the only

NACA employee, John F. Victory.

Then the Army got an appropriation of \$15,000,000 for the Aviation Section with the authority to buy land. The Army, Navy, and NACA got together, decided on a joint experimental field, and decided on Langley Field. This was chosen over Aberdeen, Maryland, because the Navy claimed that "the water was deeper at this end of the Bay."

The J. G. White Engineering Company built the field and the NACA Administration Building was the first permanent structure finished. Then the work started. According to Victory, the first job was to borrow beds, mattresses, and linen from the Army, and set up sleeping quarters for the men on the second floor of the building.

The Atmospheric Wind Tunnel was the next building finished, and upon its completion, Dr. Edward Warner, chief physicist, wired the committee, "Wind tunnel now

## GOLF TOURNEY

Thomas Carpini had low score and Dale Burrows and Bill Sperry were low team in the annual Sandtrap Meet held by the golf club on the Langley Field links recently. Carpini shot an 84 while the winning combination had 184, with a handicap total of 192.

Dave Ochiltree and Art Torsiglieri took second honors with 192 and Carpini and Everett Dunlap had third low gross with 198.

Ochiltree and Paul Harper led the qualifiers with 44 and 44.3, respectively. Qualifying scores were based on the average of three nine hole rounds.

Other team scores were as follows: (the pair total is listed first and the handicap total last) Gallagher and Griffith 192,200; Cervin and McLaughlin, 193,200; Hable and Brilmyer, 196,203; Vincke and French, 196,204; Harper and LaHatte, 204,209; and Geer and Lillis, 205,213.

The club plans to hold another tourney in the near future.

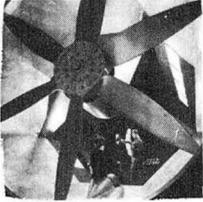
### MORGAN WANTS TO FORM TENPIN TEAM

W. C. Morgan, Engineering, is interested in forming a team of Laboratory employees, to bowl in the ten pin league soon being started at the Mayflower alleys in Phoebus. Any good bowlers who are interested may get further information from Morgan at 251.

running 50 miles an hour." The committee was in session when it was received and Admiral Taylor, later Vice-chairman, exclaimed, "Fifty miles per hour, when is it due here, Victory?"

Victory welcomed all members of the group who were newcomers. He said, "I wish that you would find it possible to drink deep of its tradition and services. We have a definite and valuable function to perform in this war."

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 37, Vol. 3

Langley Field, Virginia, September 2-8, 1944

Page 1

### FCU CHANGES OPERATIONS

The great increase in volume of business of the LMAL Federal Credit Union has necessitated a complete reorganization in the manner of handling the individual members business. Effective September 1st, the present system of individual collections in each building is being discontinued. To supersede this system the Credit Union has established two business offices. The East Area office, located in the Personnel Services Office, Service Building, is sharing space with the Rationing and Housing Units, and the West Area office is located in the West Area Cafeteria.

Mrs. Modesta D. Roberts is in charge of each office and all loan applications, loan repayments, and share deposits are to be made to her at the above business offices during the following hours - East Area: Monday, Wednesday, Friday, 11:30 a.m.-4:00 p.m.; West Area: Tuesday, Thursday, 11:30 a.m.-4:00 p.m. Telephone - East Area: 377.

It must be emphasized that it is the responsibility of each member to transact his business promptly at the above offices. There will no longer be any collectors other than Mrs. Roberts and collections will be made only at the business offices in the East and West Areas. Please be sure to bring your passbook as this is your only receipt.

### ROOSEVELT NAMES THEODORE WRIGHT AIR ADMINISTRATOR

### ENGINEERING COURSES OFFERED BY UNIVERSITY

Theodore P. Wright, member of the National Advisory Committee for Aeronautics and Chairman of the Committee on Aerodynamics, has been nominated by President Roosevelt to succeed Charles L. Stanton as administrator of aeronautics. Mr. Wright, assistant chief of the Aircraft Branch of the Office of Production Management, has played a major part in directing the nation's war-time aircraft production program.

President Roosevelt, in his letter accepting Mr. Stanton's resignation, stated that Wright's appointment had been suggested by Secretary of Commerce Jesse Jones. In a statement explaining the personnel change, William A. M. Burden, assistant Secretary of Commerce, says, "The President's action in nominating T. P. Wright as Administrator of Civil Aeronautics is an outstanding step in preparing American civil aviation to meet its heavy post-war responsibilities."

In a recent article in the New York Times concerning Wright's appointment, it was stated, "Since Mr. Wright has been a key man in direction of the aircraft production program, it was speculated that the action might indicate a major tapering off of plane production was anticipated about September 1."

The LMAL Personnel Training, in conjunction with the University of Virginia, has arranged for a series of engineering courses to be conducted at Hampton High School for Laboratory employees under the Engineering Science and Management War Training Program. These courses are scheduled to begin early in October and are primarily designed to train and broaden the engineering personnel and to prepare them for more responsible assignments.

Each of the courses offered have been carefully outlined by advisory committees composed of capable engineers who know and understand the specific engineering training needs of the Laboratory. Employees desiring to register for the forthcoming fall semester are urged to contact their section heads and obtain necessary application blanks which must be filled out, approved by their section heads, and submitted to the Training Division on or before September 6. These applications will then be reviewed by the respective advisory committees, and those accepted will be notified.

Dependent upon satisfactory registration, the following courses will be offered: Aerodynamics of Compressible Flows, Airfoil Development, Appreciation and Prediction of Flying Qualities, Aerodynamics of Aircraft Power-

Continued on page 6



The LMAL Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor . . . . . Tiny Hutton  
Managing Editor. . . . . Ruth Angel  
Sports . . . . . Si Diskin, Nancy Shelton  
Reporters. . . . . LMAL Employees

## OBSERVATION AND PERCEPTION

An experiment relative to observation and perception was conducted in the current training class "Psychology at Work". Two people, Ruth Bachman and Jerry Sickler, interrupted the class as they entered unexpectedly, arguing. Within fifteen seconds the argument rose to the push and slap stage. (The slap was executed "stage style" as reported by Bill Craig, Lenore Hulcher, and Conrad Lanser. Ruth's hand is black and blue from the rehearsals but Jerry's face was not red.)

A list of twenty questions was given to the class immediately afterwards. The results were amazing (no more amazing than the results have been wherever the experiment has been conducted.)

The suit Jerry Sickler was wearing was described as blue stripe, blue, gray, gray green, blue pin stripe, blue and gray.

The time of the act was reported as being anywhere from five seconds to two minutes. No one could give any one of eleven short sentences verbatim, and no more than three out of fifteen got the subject of the conversation correct.

One noticed that Jerry wore one glove, but several described the tie - he was not wearing. No one noticed the safety pin on his lapel. At least three were ready to state that Tom Hulcher was not in the room during the act although he did no more than stand up and sit down again in plain view at the front of the room.

Doesn't it make you wonder just a bit about how much you really observe and how sure you are of what you think you saw, not to mention the interpretation you put on it.

It doesn't do any harm to follow the advice that appears at railroad crossings in dealing with people, too. Stop, look, and listen and then weigh the facts well before interpretation and action. We are especially likely to have our thinking clouded during any emotional stress or distraction. Maybe if we take in our surroundings more thoughtfully we won't fall over that tool that was dropped and left lying there - we might straighten up the office or shop more frequently. Perhaps we would even be more considerate in our relationships with people if we concede that sometimes we can be mistaken, too, and that would eliminate a lot of that friction that has a way of slowing up our work.

## BUY MORE WAR BONDS

## LIBRARY NEWS

The following new books have been received by the Library:

517.38 B81 Brown University: Ordinary differential equations in the real domain with emphasis on geometric methods, by Witold Hurewicz.

517.38 B81 Brown University. Partial differential equations, advanced topics, by Stefan Bergman.

620.1123 B81 Brown University: Mathematical theory of elasticity, by I. S. Sokolnikoff.

531.3 B81 Brown University: Non-linear mechanics, by K. O. Friedrichs and others.

531.2 B81 Brown University: Graphical statics, by Hans Reissner.

621.384 B81 Brown University: The mathematics of ultra-high frequencies in radio, by Leon N. Brillouin.

620.1123 B81 Brown University: Theory of plasticity, by W. Prager.

620.1 W67 Williams, Clifford D.: Analysis of statically indeterminate structure.

620.1 B47 Beizeno, Cornelius B.: Technische dynamik.

532 5 G26 Gebelein, Hans: Turbulenz, physikalische statistik und hydrodynamik.

517.38 B81 Tamarkin, J.D. and Feller, Willy: Partial differential equations.

531 B81 Brown University: Geometrical foundations of Mechanics, by Hilda Geiringer.

531.3 W58 Whittaker, E.T.: A treatise on the analytical dynamics of particles and rigid bodies.

491.73 Ob6 O'Brien, M.C.: New English-Russian and Russian-English dictionary.

433.2 K66 Langenscheidt's pocket-dictionary of the English and German languages.

FOR SALE: An Emerson portable radio in perfect condition. Contact E. Druckman, Instrument Service, 319.

FOR SALE: Electric record player in excellent condition. Contact Juanita Crawford, 422 Seminole Road.



# SPORTS



## TEAMS STILL TIED

### ALL-STAR TEAM

East Area Shops led the teams in the softball league in placing men on the All-Star team by landing five men on the first team and two on the second. The Shop men selected were Paul Marchal, named honorary captain of the team, Dale Burrows, John Gradle, Irwin Schumacher, and Cliff Link on the first team, and Clarence Brown and Ira Ramsey on the second.

Structures placed four men on the first team - John Neff, catcher; Si Diskin, pitcher; Walter Woods, second baseman; and Carl Rossman, outfield.

The only repeaters from last year's team were Diskin, Marchal, and Claude Hart, Full-Scale's third baseman.

Al Martina, pitcher for the 19' Tunnel team, was out in front of the pitchers. He polled more votes than all his opposition combined. Diskin and Burrows tied for the

other pitching spot on the first team.

Ray Comenzo, AWT, ran away in the race for the shortstop post.

Jack Reeder, FRD, was named to the other outfield position. Reeder and Schumacher also made the first team of the touch football All-Star team last fall.

Full-Scale dominated the second team with pitcher Roy Lange, first baseman Hal Sweberg, outfielder Bill Hagginbotham, and utility man Jerry Brewer.

PRT gained three second team spots with pitcher Sam Vollo, catcher Pete Korycinski, and third baseman Al Marino.

The other second team positions were filled by Jerry Teplitz, 19' second baseman, Red Neihouse, Stability short fielder, Fred Rice, Low Turbulence outfielder, and Jim Delano, 8' HST outfielder.

First Team	Position	Second Team
John Neff, Structures	Catcher	Korycinski, PRT
Al Martina, 19' Tunnel	Pitcher	Ramsey, East Shops
Si Diskin, Structures	Pitcher	Vollo, PRT
Dale Burrows, East Shops	First base	Lange, Full-Scale
John Gradle, East Shops	Second base	Sweberg, Full-Scale
Walter Woods, Structures	Shortstop	Teplitz, 19' Tunnel
Ray Comenzo, AWT	Third base	Brown, East Shops
Claude Hart, Full-Scale	Utility	Marino, PRT
Irwin Schumacher, East Shops	Short Field	Brewer, Full-Scale
Paul Marchal, East Shops	Outfield	Neihouse, Stability
Cliff Link, East Shops	Outfield	Hagginbotham, FST
Jack Reeder, FRD	Outfield	Rice, Low Turb.
Carl Rossman, Structures	Outfield	Delano, 8' HST

Honorable mention, Catchers: Deters, 19'; Alexander, FRD; Batterson, Loads; Pitchers: Baals, 8' HST; Hansen, IRD; Scriven, AWT; First Basemen: Spooner, 19'; Nuber, LTS; Liccini, 8' HST; Kotanchik, Structures; Second Basemen: Maggin, Stability; Brittingham, EAS; Youngblood, IRD; Shortstops: Bartone, Structures; Vincke, 8' HST; Cancro, 19'; Guryansky, FST; Third Basemen: Kleckner, FRD; Bostetter, Stability; Short Fielders: Luoma, 8' HST; Bates, AWT; Cartobiano, PRT, Dingeldein, FST; Outfielders: Paulson, Stability; Posner, Tank; Capolino, Engineering.

The battle for the third and fourth spots in the softball league playoffs was tied again after one week's play in the round-robin series. Each of the three teams had won one game. In the first game of the second series, East Area Shops downed AWT, 4-3. Cliff Link and Ira Ramsey were the batteries for the winners, and Jim Scriven, John Knemeyer, and John McKee for the losers.

In the last week's games, AWT defeated the Shops 9-4, with Scriven winning over Burrows; EAS won over PRT 6-5, in eight innings, with Link winning over Vollo; and PRT dropped AWT 5-3 with Vollo winning over Scriven. A game between the Shops and PRT was called on account of darkness after the seventh inning homer of Sam Vollo had tied the game 5-5.

## H.A.A. NEWS

The Hampton Athletic Association is moving steadily ahead. Already two new clubs have been formed, the track and weight lifting clubs. The track club meets on Monday, Tuesday, and Thursday at 5:30 p.m. at the USO, and the weight lifting club meets on Monday, Wednesday, and Friday at 7:30 p.m. at the USO.

Mr. Dowling of the Recreation Association has volunteered to supply all equipment for a horseshoe pitching tournament. All persons interested may contact Ilando Capolino at 240.

On Monday night at 7:30 at the Industrial USO elections will be held and membership cards redistributed.

LOST: Peruvian silver bracelet with filigree design. If found contact Alyce Wood, Stenographic Section.

FOR SALE: Silk Screen outfit. Frames, colors, and mediums. In good condition. Contact J. J. Lankes, phone 206.

## Life At The Laboratory

**ROMANCES:** Edwin Nye, Cowling and Cooling, tied the final knot on August 12, when he married Fern Drumheller of Boston, Mass....Seymour Bogdanoff and Harriette Eisenberg, FGDA, are making plans for an early October wedding.

**HEIR MAIL:** Ed Rickey, Full Scale Tunnel, is the proud father of a daughter, Diana Karen, born August 23....T. R. Crandol, Instrument Construction, recently became the father of a daughter, Mary Elizabeth....Shirley Shaul Bartlett, formerly of Switchboard, and Walter, PRT, are the proud parents of a daughter, Margaret Ann, born Wednesday, August 30. All three are doing fine.

**PARTIES:** Apprentice Administration had a boating party on Monday, August 28 for Debby Davis who is leaving the Laboratory....The East Area Computing Section sponsored a picnic at Grand View on Sunday, August 27 for all the new computers who have entered on duty since June 1. The picnic was a howling success despite the fact that there were no wolves present.... Lenore and Tom Hulcher, Paul Taylor and Harry Shoaf, supplied the boats for the Personnel Service cruising party on Thursday, August 31.

**WEDDING BELLS:** Sue Hunt, ALD, was married to W. O. Moore, Jr., U. S. Navy, on Tuesday, August 29....Dickie Creech, Messenger, and Frank Gough, formerly of Instrument Service, were married Friday, August 25.



**NO STABILITY**

**AND**

**TOO MUCH DRAG**

## Service Notes...

We got a letter from John Harrington the other day saying that he had been sent to Australia for special training. He enclosed several different samples of RAAF uniform insignia. Many thanks, John. If any of you fellows like, the Bulletin office would be glad to start a little museum with any souvenirs that you care to send us.

Lloyd Scott, formerly of the Hangar, dropped in last week and asked that his name be put on the mailing list. "Scottie" has been in the service six months and is an Air Crew Trainee prior to Army pre-flight. His present address is: A.C.T. Lloyd S. Scott, 2533 AAFBU Sec. 1, Goodfellow Field, Texas. He told us that Ben Cleveland and the Fournier Twins were stationed at the same base.

Another new name on our mailing list is Percy R. Keffer, Jr. Percy worked here several summers and also following his graduation from VPI. He is in the Coast Guard and has just received a promotion to Lieutenant, Junior Grade. He was aboard one of the first ships to reach the coast of Normandy.

Frank Allen, former employee of the Photo Lab, writes from the Marianas Island to say "During my stay on Saipan, I did some interesting and saw a few things that would make good stories, 'tho almost unbelievable...I'm on Tinian now and really like the place. Certainly hope that we can stay here until it is decided to send us home."

A letter was recently received from Payne Parker, Jr., who is now stationed in New Guinea. His address is: Pfc. S. Payne Parker, Jr., 33095250, Service Troop - 112 Cav., APO 705, c/o Postmaster, San Francisco, Calif.

## DOCTORS ENDORSE U. S. EMPLOYEE AID

In a recent article in the "New York Times" it was pointed out that a bill to provide industrial medical services for all Federal employees has been endorsed by officials of the Federal Government and a representative of the American Medical Association at hearings before the House District Committee.

According to Surgeon General Thomas Parran, the services contemplated would include a good pre-placement examination, including a chest X-ray for tuberculosis, minor medical and dental care, minor care for emotional disturbances, a nutritional effort, checks on environmental factors, such as bad lighting, which causes headaches; studies of records of absenteeism, control of contagion and infection, and some routine care in pregnancy. The program now under consideration would cost less than one cent per day per public employee.

This plan would be administered by the Civil Service Commission in consultation with the United States Public Health Service and in close cooperation with agency heads and personnel services. Dr. Parran pointed out that it is not socialized medicine, but, on the contrary, would be of benefit to the private physician by relieving him of caring for minor illnesses and referring to him such persons as properly need his help.

(Editor's Note: Readers are reminded that the above is only a bill now before Congress and of the many bills presented only a small percentage are passed.)

**ORGANIST WANTED:** An organist to play for both services on Sundays at the First Methodist Church, Hampton. Contact Walter Hixon, Technical Service Office.

## AERL . . . . AAL NEWS DIGEST

**MIDSUMMER SMOKER:** Approximately 550 AERL employees attended the midsummer smoker to hear Commander Kimmins of the British Royal Navy give a first-hand account of "The Greatest Invasion of Them All," a participant's story of how they got ashore on D Day. The commander praised the "brilliant planning and good execution" of General Eisenhower, and he declared him "the greatest of all leaders of all time." Concerning our boys who participated in the invasion, he said the American boys fought in a way that "we British fighting men will never forget, and when it comes to the invasion of Japan we will be there in enormous numbers to try and repay our debt in no uncertain terms."

**FIRST CASUALTY:** Staff Sgt. Stanley W. Richardson, who is reported missing in action, is AAL's first war casualty. Richardson has been missing since invasion day.

**A MESSAGE OF APPRECIATION:** In an editorial, E. R. Sharp, Manager, expressed his appreciation to the staff for making the Fifth War Loan Drive a success and for surpassing the highest quota yet assigned to them by 16 per cent.

**BLOOD DONORS:** AAL employees will have a chance to contribute to the blood bank when the mobile unit comes to Moffett Field on August 31.

**WINS MODEL HONORS:** Jack Norris, AERL, who was high-point winner in the sixth annual contest sponsored by the American Airline Gas Model Club, took three prizes for himself with his models. He won first and third place in Class C and second place in Class A.

**SERVICEMEN'S CLUB:** The club is asking AERL employees to submit ideas to raise funds for filling Christmas boxes for former AERL employees who are now in the armed services.

**Save Lives—Speed Victory!**

## BRAIN BUSTERS

The trophy listing for the Brainbusters Model Championships has been recently completed, and an important revision has been made in the list published in the last edition of the Bulletin. The Hampton Roads Model Company will present the Championship trophy rather than the Class C gas powered trophy, as previously announced. This trophy will be presented to the contestant receiving the greatest total number of points, which will be awarded on a graduated scale in each of the four events.

Trophies and donors are as follows: Championship Trophy, Hampton Roads Model Company; Class C Gas Powered, first, Administrative Department; second, Training Division, and third, Hydrodynamics Division. Class B Gas Powered, first, Brain Busters Model Club; second, Structures Club; and third, Hydrodynamics Division. Class A Gas Powered, first, H. J. E. Reid; second, Tiny Hutton; and third, Hydrodynamics Division. Rubber Powered, first, Dynamic Model Shop; second, Maintenance; and third, West Machine Shop.

In addition to trophies, a Forster model airplane engine will be awarded each first place winner. The engines were donated by Stability and Control Division, and East Engineering. A number of merchandise awards will be added to the above list to round out the awards. Several other sections and individuals are planning to add to the award list, and they will receive full recognition as soon as possible.

Harold Turner, 19-Foot Pressure Tunnel, will act as Chief of Police in keeping the flying area free of spectators.

★ ★ ★

**FOUND:** A pair of glasses between the Administration and Service Buildings. Owner may contact the Bulletin Office, phone 376.

## ENGINEERING COURSES

Continued from page 1

Plant Installations, Research Instrumentation, Fundamentals of Aeronautical Engineering, Pre-engineering Physics, and Advanced Mechanics of Materials.

There is a possibility that an additional course in Technical Report Writing may be offered, dependent upon the recommendations of the advisory committee now studying the feasibility of such a course.

The Pre-engineering Physics course is intended primarily for women employees who have a reasonable mathematics background and a few science majors but who have not been educated in engineering. It is designed to train them for engineering work which they may be called upon to do.

These courses are offered at no cost to the student.

### BLOOD DONORS OF THE WEEK

Edward L. Myers and Joseph M. Vricella, Construction Engineering, to emergency case at Dixie Hospital on August 25.

Fred L. Brown and Hugh C. Holliday, East Engineering, to emergency case at Dixie Hospital.

## Selective Service Seeks Cooperation

Once men have been transferred to the Air Corps Enlisted Reserve, they are no longer under the jurisdiction of the Selective Service System.

Men in the ACER should not bother Selective Service local boards, either in Hampton or elsewhere, with changes of address, marital status, or Civil Service promotions.

The Laboratory Selective Service Office, telephone 368, in the Service Building, should be promptly notified by all draft-eligible men, 18 to 38, of their change of address and marital status.

## USO NEWS

This week's program at the Hampton Industrial USO will open on Sunday, September 3, with open house. On Monday, September 4, the Athletic and Bridge Clubs will meet. The American Legion will meet at 8 p.m. on Tuesday, September 5. On Wednesday, September 6, the USO Mimes will meet. The movie "His Butler's Sister" with Deanna Durbin, Pat O'Brien, and Franchot Tone will be shown at 8:30 p.m. on Thursday, September 7.

## FOOTBALL LEAGUE GETS UNDERWAY

A meeting of the football league was held on Wednesday night, August 23, at the Hampton Industrial USO. Gus Boughan, Structures, was elected temporary chairman. Four committees, the grounds, schedule, rules, and officials, were appointed.

Fourteen teams have already entered the league. They are: Aircraft Loads, Construction, Structures, Flight Research, Tank, Instrument Research, Physical Research, 16-Foot Tunnel, 8-Foot High Speed Tunnel, Stability, Engineering Section, Low Turbulence, Propeller Research, and West Shops.

All other sections interested in entering teams are asked to contact Bob Nuber, 249; Walt Williams, 264; Gus Boughan, 216; or Irwin Schumacher, 251.

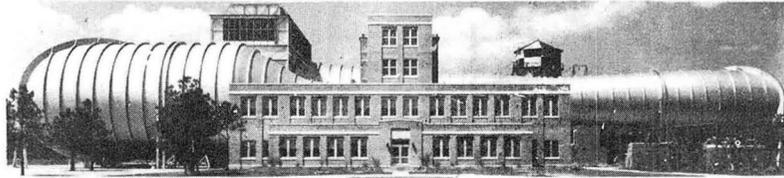
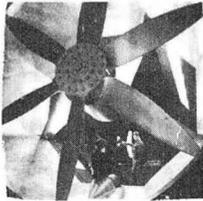
The next meeting will be held at 8 p.m. on Monday, September 4, at the Hampton Industrial USO.

Three fields have been obtained for practice and games, the Wythe School, Armstrong School, and Hampton High. All teams are urged to have their colored jerseys by September 24.

## NACA BOND REPORT FOR FIFTH WAR LOAN DRIVE

	Washington	Langley	Ames	Cleveland	Total
40% of April gross pay roll	\$10,905.80	\$219,106.39	\$54,133.19	\$179,592.00	\$463,737.39
Pay roll allotments, June & July	6,650.79	154,173.12	28,321.57	101,572.40	290,717.88
Cash Sales	5,195.30	118,091.50	34,518.25	102,486.25	260,291.30
Total pay roll allotments and cash sales	11,846.09	272,264.62	62,839.82	204,058.65	551,009.18
Percentage	108.62%	124.26%	116.08%	113.62%	118.81%
Total gross pay roll from March 1 to July 31	136,757.14	2,898,036.79	684,131.07	2,398,465.05	6,117,390.05
Total purchases from March 1 to July 31	22,114.67	477,097.16	105,739.35	330,465.05	935,416.23
Percentage of gross pay roll invested	16.18%	16.46%	15.45%	13.78%	15.28%

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 38, Vol. 3

Langley Field, Virginia, September 9-15, 1944

Page 1

### LITTLE THEATER OPENS SEASON

Laboratory employees will have the opportunity of becoming members of the Hampton Little Theater for the coming season during the membership drive which will be conducted next week.

George B. Colonna, president of the group, is heading the drive and memberships at the Laboratory will be handled by Tiny Hutton and the following persons; Hangar, Bunny Klawans; 19' Tunnel Building, Jerry Teplitz; Tanks, Dave Goldenbaum; Engineering, Ann Elksinin, PRT, Phyllis Parker, 8' HST, Millie DeVine; Full-Scale Tunnel, Charles Kelly, Utility Building, Pat Patterson; Low Turbulence-Two-Dimensional Tunnel Building, Seymour Bogdonoff; AWT, Billie Warren; Technical Service Building, Carrie Love, Annie Young, and Eloise Lada; Administration, Elizabeth Scott and Ida Young; Impact Basin, Sid Batterson; 16' Tunnel, Blake Corson; Structures, Pat Chiarito; Stability Tunnel, Lou Alice Georges; and Warehouse Building, Warren Spratley and Joyce Volkman.

Membership in the Little Theater is one dollar for the entire season which runs from fall to fall. Membership entitles persons to a ticket to each performance. This year the group plans to stage two three-act plays, four one-act plays, and a musical variety show. No individual admissions will be sold for any single performance.

### PROSPECTS GOOD FOR RECREATION CENTER

The need for adequate recreational facilities in our crowded community has been an increasingly important problem within the last few years. Such facilities as do exist have proven to be completely inadequate and as a result, a great many LMAL employees find themselves facing evenings and weekends with little prospect of enjoying physical exercise, riding a hobby-horse, or enjoying social contacts at a common meeting place.

The LMAL administration, in acknowledging the above needs, has sought to meet the existing situation by providing land as the starting point for an independent LMAL recreational center.

### STAFF ASKED FOR PROSPECTS

The Laboratory needs added personnel to help with the increasing work load and to staff the new activities that are being built in the West Area.

In the past, members of the staff have been very helpful in providing the Employment Section with the names of prospective employees. A memorandum has been circulated to the staff asking that they once again assist in obtaining additional personnel.

Employees are needed in all phases of Laboratory work. There are vacancies for engineers (all types), mechanics, modelmakers, clerks, stenographers, and many others.

Any employee who knows of any prospective employees is asked to send their names and addresses to the Personnel Office.

The chairman of the committee looks with favor on the project and has asked that plans and specifications be prepared for the development of a suitable site in the West Area.

The operation of the facilities, when available, should be conducted by representatives of the employees so that they will meet the needs of the majority.

In pursuit of this policy, Messrs. Elton W. Miller and W. Kemble Johnson assembled representatives of the existing athletic, cultural, and hobby societies in this Laboratory and requested that inasmuch as all the assembled representatives were already experienced in the organization and administration of their particular forms of recreation, they should pool their knowledge and set up plans for the formation of a permanent recreation council.

The temporary council, after several meetings and much discussion proposed that an election be held through-



The LMAL Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor . . . . . Tiny Hutton  
 Managing Editor. . . . . Ruth Angel  
 Sports . . . . . Si Diskin, Nancy Snelton  
 Reporters. . . . . LMAL Employees

## List University Extension Courses

Registration for the University of Virginia Extension classes will be held at the John W. Daniel School, 222 32nd Street, Newport News, on the evening of September 19. The University of Virginia Department of Engineering through its local extension division has offered engineering courses in this area for the past 14 years. These courses have been established to enable ambitious students, who otherwise are handicapped through a lack of educational facilities, to obtain the fundamentals of a higher technical education while remaining in their present employment status. The maintenance of the University standards has established a credit status for those courses already offered and there exists no reason to anticipate a change in this policy. Therefore, any student desiring to pursue his studies in the higher branches of civil, electrical, mechanical, or aeronautical engineering at the University of Virginia or elsewhere, may have these credits secured through evening classes applied towards a degree, provided of course, that full entrance requirements are satisfactory.

No specific qualifications for entry into these evening classes have been laid down  
 Continued on page 5

## A. A. ANNOUNCES LIST OF CLASSES

The Apprentice Administration in conjunction with the local War Training Office is completing its plans for the operation of war training classes for war production workers to be held at the Hampton High School beginning October 2nd. These classes will run for a period of five weeks, meeting on Monday and Wednesday nights from 7:00 until 9:30 p.m.

The tentative list of courses to be offered the first term includes Physics, Blueprint reading, Machine Design (Advanced), Mechanics and Strength of Materials (Elementary), Mathematics, Algebra, Geometry, Trigonometry, Logarithms and use of the Slide Rule, Simple Aeronautics, Mechanical Drawing, Sheetmetal Layout, and use of Machinery's Handbook.

The conduct of these classes is dependent upon satisfactory registration. In addition to those classes listed above, other classes may be offered if a sufficient number of employees indicates a desire for such a course and it meets with the approval of the War Training Office. Although these courses are primarily intended for apprentices, any employee of the Laboratory who wishes to take advantage of the opportunity

Continued on page 5

## LIBRARY NEWS

The following new books have been received by the Library:

770 H39 Henney, Keith and Dudley, Beverly, editors; Handbook of photography.

651.4 L14p Laird, Donald A.: Psychology of selecting employees.

541.3 F49 Findlay, Alexander: Practical physical chemistry.

621.43 R35 Ricardo, Harry Ralph: The high-speed internal combustion engine.

530 W69 Wilson, H. A.: Modern physics.

541.2 H44 Herzberg, Gerhard: Atomic spectra and atomic structure.

530 L64 Lindsay and Margenau: Foundations of physics.

532 B81 Brown University. Fluid dynamics, by Richard von Mises and Kurt O. Friedrichs.

531 G88 Grimsehl, E.: Mechanics, being Vol. I of "A textbook of Physics."

532 B46 Besant, W. H. and Ramsey, W. H.: A treatise on Hydromechanics. Part I, Hydrostatics.

535.84 Su8 Sutherland, G. B. B. M.: Infra-red and Raman spectra.

544.6 W95 Wu, Ta-You: Vibrational spectra and structure of polyatomic molecules.

629.1341 M83 Morse, W.L.: Principles of aircraft stressing.

536.5 J12 Jackson, L.D.: Low temperature physics.

311.2 P31 Pearson, Karl, ed.: Tables for statisticians and biometricians.

517 H94 Hurwitz and Courant: Vorlesungen und uber allgemeine functionentheorie und elliptische funktionen.

510.8 G51 Glover, James W. ed.: Tables of applied mathematics in finance, insurance, statistics.

311.2 W35 Waugh, Albert E.: Elements of statistical method.

621.317 Sm5 Smith, Ed Sinclair: Automatic control engineering. Proceedings of the I.R.E. Bound volumes from 1930 to 1939.



# SPORTS



## STRUCTURES DEFEATS AWT

Structures Research, champions of last year's league, bid fair to repeat again this year. They reached the final play-offs by downing AWT in two straight games on Sunday and Wednesday.

Si Diskin turned in a fine pitching performance in the first game in keeping the AWT team scoreless, and holding them down to three hits. The score was 1-0.

AWT started fast in the second game and tallied three times in the first two innings. The team seemed to go to pieces behind pitcher Jim Scriven, and Structures came through with five runs in the closing innings.

Structures will meet the winner of the East Area Shops-19' Tunnel series in the final round. All games will be played on the Wilson school diamond located behind the tennis courts on the Kecoughtan Road at the Newport News City limits.

The first game between the Shops and 19-Foot ended in a 2-2 tie. The game was called at the end of the seventh inning after Joe Dodson's single into right field had driven in the tying run.

## POST SEASON SOFTBALL

The post season softball league got off to a fast start this week with Low Turbulence and the Electrical Shop taking games from Structures and Full-Scale. Low Turbulence took the league opener on Tuesday by downing Structures, 11-4. Carl Cecil pitched for the winners and John Houbolt, George Zender, and Dave Ochiltree shared the Structures mound.

Electrical Shop took the measure of Full-Scale, 10-8.

The teams in the league and their numbers are as follows: Structures, 1; Electrical Shop, 2; 8-Foot High Speed Tunnel, 3; Stability, 4; Full-Scale Tunnel, 5; Low Turbulence, 6; and Tank, 7.

The remainder of the schedule is as follows:

Week of	9-11	9-18	9-25	10-2	10-9
Monday	2-7	4-2	3-5	2-3	5-7
Tuesday	1-3	3-6	6-7	4-1	6-4
Wednesday	6-2	7-4	2-1	6-5	
Thursday	7-1	5-1	4-5	7-3	

The teams listed last are home teams.

## LTD DANCE SEPTEMBER 16

The Low Turbulence Section is sponsoring a semi-formal dance at the Hampton Country Club on Saturday, September 16, from 10 'til 1.

A limited number of invitations are available to members of the Laboratory staff. The subscription price is two dollars per couple. Complete information may be obtained from Kenny Singleton or John Quinn at 249.

Music will be furnished by Eddie Travis and his orchestra.

BUY WAR SAVINGS BONDS AND STAMPS



Pete Korycinski, chairman of last season's basketball league, is all smiles as he presents the league trophy (which finally arrived) to Arvo Luoma, captain of the winning 8-Foot High-Speed Tunnel team.

## Girls' Softball

The NACA Girls' All-Star team downed the Norfolk WAVE's 6-4 on Tuesday at the Naval Air Station diamond.

The WAVE's gathered only nine hits off Sybil Bateman, Structures, who turned in her usual good performance from the mound. Only two of the nine hits went for extra bases; McQueen, NAS right fielder, scored a home run and Wehaly, first baseman hit a double.

The All-Stars collected fifteen hits from Norman, NAS pitcher. Kathryn Beasley, catcher, led the winners at bat with three singles while Kit Carson, shortfielder, followed with a double and single. Kay DeSander, first baseman, scored on two singles and Sybil Bateman, pitcher, also came in twice. Irma Twyman, third baseman, making her first appearance with the All-Stars, played like a veteran. She is credited with a score for the winners as well as making a number of assist plays.

This game closed the season for the All-Stars. The entire team wishes to thank Gus Boughan, Structures, and Ray Comenzo, AWT, for their splendid job of coaching and Annie Young, Assistant to Women, for arranging and managing the games.

# RECREATION CENTER

Continued from page 1

out the Laboratory and that a recreation council of 27 members to be augmented by 1 representative from each of the already organized clubs. The entire council to then elect from within themselves 9 members to form an executive committee charged with the complete administration of the recreation program. It was further proposed that the Engineer-in-Charge appoint 1 member to the executive committee to represent management.

The election machinery is to be administered in such a way as to insure 1 representative to the recreation council for each 100 to 150 employees.

Members of the existing temporary committee will shortly visit Division Chiefs and request that they appoint election officials or wardens. Where divisions comprise less than 100 employees, they will be grouped with other divisions and sections to attain the required employee vote. The wardens will superintend the nominations for office within the group and will then be responsible for get-

ting out the vote on the appointed day.

It is emphasized that the proposed election is solely for the purpose of forming the nucleus of a permanent employee-managed recreation council. After election, the group may or may not abide by the recommendations of the temporary council as they see fit. Members of the permanent council will be your representative and responsible to you in their administration of the facilities, funds and policies. It is hoped to start actual construction of playing fields and buildings by late fall or early spring. Discuss this, argue about it, agree or disagree on details but above all, vote in as your representative the man or woman who you are most certain is deeply interested in adequate recreation for you and yours. Start looking for that person now - the success of the whole recreational program will depend upon whether your representative was elected because of his capabilities or because of his "popularity."

# MIMES ISSUE TALENT CALL

The USO Mimes are now rehearsing twice a week for their new show "Funzapoppin", a clever three act comedy which includes specialty acts. Talent is needed for these variety show numbers. Actors, dancers, singers, and other entertainers are urged to contact Mrs. Laurette H. Muir, Assistant Director, Hampton Industrial USO, producer for the Mimes, or with Leigh Lewis, assistant producer, Apprentice Administration. Anyone interested in a vocal role may contact Kenneth Harper, Classification - 381, director for the quartette and special music.

The Mimes presented floor show numbers at the semi-formal dance held September 1 at Ann Wythe Hall, Casino Club, Newport News Military USO, at their formal dance September 5, and will offer several specialties at the dance on September 12, which will be held at the Academy Street USO.

"Funzapoppin'" will be presented sometime in October. Several tentative engagements have already been accepted for the complete play or for variety acts.

# BOWLING TOURNEY

The ten pin individual tournament, open to NACA employees starts on Saturday, September 9 and runs through Wednesday, September 13. The tournament will be held on the Mayflower Alleys, Phoebus.

The five high average contestants will automatically be entitled to roll weekly on the Number 1 NACA team in the Community Bowling League Tournament. The first game has been scheduled for Thursday, September 14. For further information call Bill Morgan, 251.

★ ★ ★

**Save Lives - Speed Victory!**



# Life At The Laboratory

**WEDDING BELLS:** Barbara Huffman, Personnel, is sporting something new on her third finger left hand. She will marry Jack Runckel, 16-Foot Tunnel, on Tuesday, September 19....Jean Allen, Files, is engaged to Milton Council of the United States Army. Milton is stationed in Mississippi....The love bug has really been working on the Impact Basin personnel. Latest victim is Thelma Stewart who is wearing a diamond from Horace Pippin, U. S. Army....Lois Evans, Full Scale Tunnel, is engaged to Joe Dolan of Norfolk. The wedding has been set for Monday, September 11.

**HEIR MAIL:** Donald Skean, East Model Shop, is the proud father of a daughter, Donna Lee, born August 22.

**MISCELLANY:** PRT had another of its beach parties at Virginia Beach Sunday, September 3....Lola Dodson, Full Scale Tunnel, gave a miscellaneous shower for Lois Evans on Thursday night, September 7....Connie Pegues, 16-Foot Tunnel, is all smiles now that her husband is back after ten months overseas....Marijean Thompson, formerly of Personnel, and her two month old son visited the Laboratory on Tuesday, September 5.

## USO PLANS DANCE FOR SEPTEMBER 12

Plans for a semi-formal dance to be given Tuesday evening, September 12, under the auspices of the Hampton Industrial USO have been completed. This dance is the first of a series of dances to be held monthly at the Academy Street USO through cooperative planning with the Committee and staff serving the military club.

Service men and women are invited to be guests, the arrangements for which will be carried out by the Dance Club. Admission to civilians will be by ticket only. Tickets may be secured at the Hampton Industrial USO or through any member of the Dance Committee which includes: Leigh Lewis, Apprentice Administration; Harry

Silver, E. Engineering; Ray Rosen, E. Engineering; Bob Stewart, Dynamic Model; Billy Poythress, West Machine; Jerry Hammack, FRD; Harry Shoaf, W. Engineering; Kenneth Harper, Classification; Adelin Hammack, Reception; Sally Mason, E. Engineering; Wanda Carpini, Duplicating; and Kitty Ragland, Dynamic Model.

In order to cover the cost of the orchestra and other expenses, guest tickets will be 75 cents. The number of tickets will be strictly limited to 125, so immediate reservations are advised. Positively no tickets can be secured at the Academy Street Club but must be purchased in advance. Music will be furnished by Red Overton.

**LOST:** Lady's gold wrist watch with the name, Frances Clements, engraved on the back. If found, please contact Frances Clements at A.A.G.R., phone 21175, Langley Field.

**FOR SALE:** House at 13 E. Lamington Road. One mile from Langley Field. 4 rooms and bath, screened porch, automatic electric water heater, fenced-in back yard, \$3500. See James C. Sivells, 19-foot Pressure Tunnel or call Hampton 5337.

## Extension Courses

Continued from page 2

and no prospective student should feel that because of mature years or the lack of a high school certificate that he would be barred from enrolling. The only criteria is the ability to take advantage of the instruction offered.

A nominal fee is charged for each course which partly defrays the expense of the course and which at the same time serves as tangible evidence of the good intention of the student to continue his class work seriously until the course is completed.

Classes will be held at the John W. Daniel School in Newport News and at Hampton High School in Hampton.

Any courses in engineering or related subjects may be offered provided a minimum of 8 students are enrolled and a qualified instructor is available. Courses offered last year, and there is every reason to believe that they will be repeated are as follows: Trigonometry; Analytical Geometry; Integral Calculus; Differential Calculus; Differential Equations; Functions of a Complex Variable; Vector Analysis; Operational Calculus; Mathematical Analysis; Numerical Mathematics; Mechanics; Physics; Quantum Mechanics; Strength of Materials; Theory of Elastic Stability; Mathematical Methods in Engineering; Thermodynamics; Vibration Problems in Engineering; Aerodynamics; Naval Architecture; Marine Engineering; Electronics; Advanced Electronics; Direct and Alternating Current Systems and other courses as demanded.

Classes meet one night per week for two-hour periods. Each course carries a college credit of two semester hours. Employees desiring to enroll in these classes are requested to send a note to the Training Division, stating their name, section, and preferred course. Courses to be offered will be dependent upon satisfactory enrollment.

## CLASSES

Continued from page 2

to participate in this training program should contact the Apprentice Administration at telephone 256. Employees may enroll for these classes with the Apprentice Administration between the dates of September 18th and 30th. The only cost involved to the employee in connection with these classes is that of securing text books.

## He Does It Again!

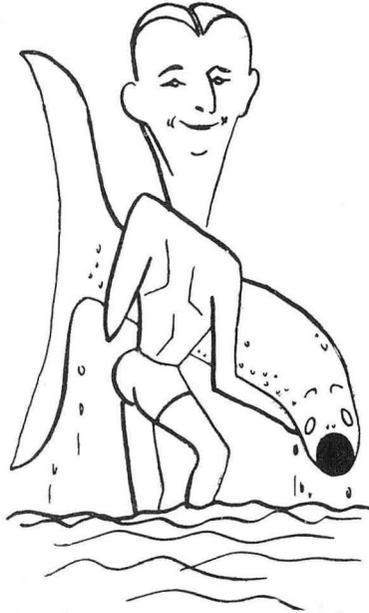
Aubrey Harris, Assistant Chief of Stability, scored for the second successive summer in amazing the natives of nearby beach resorts.

Last year he found two dollars and a five gallon drum of oil on the sands of Nag's Head, and this year he came through with a fish story from Virginia Beach.

It seems that Harris was walking along the beach when he noticed a large fish swimming rather close to shore. He waded into the water, looked over the situation and made a grab for the fish's tail. The fish, however, was not to be outdone by such a simple maneuver. He went into a tight Immelman and came roaring back. Harris did a ground loop, trying to baffle this piscatorial P-47, and sank his claws into the fish's gills as he came roaring by. He then waded ashore with his prize of war.

The fish was described as a red drum weighing between 35 and 40 pounds. Harris said, pointing to a spot just below his chin, "I had to hold him up to here to get his tail off the ground."

(Editor's note: So many



versions of this tale have been told that we are in no position to testify as to the veracity of ours. When questioned about it, Harris blushing replied, in best Li'l Abner fashion. "It ain't egzactly kerrect, but mainly it were so." He also added that the story spread far and wide and even out to sea, and that the porpoises never dared to come in close to shore while he remained at the beach.)

## BRAIN BUSTERS

According to the award listing in the last issue of the Bulletin, erroneous information credited the West Machine Shop with presentation of the third place trophy in the rubber power event of the Brainbusters Model Championship Contest; however, due credit goes to the West Sheetmetal Shop employees.

A meeting of the Brainbusters will beheld at 8 p.m. on Sunday, September 10, at the Hampton Industrial USO.

WANTED: A ride to Washington, D. C. the week-end of September 16. Contact Ben Ulrich, East Engineering, phone 251.

WANTED: A ride for two to New York on or about Saturday, September 16. Please contact H. Staras, IRD, phone 218.

## ENVELOPES IN CAFETERIA

The use of franked envelopes for any except official mailing purposes, is a violation of the Federal Law; therefore, for the convenience of employees wishing to send mail of an unofficial nature, the East Area Cafeteria now has plain white envelopes on sale. The large business envelopes are six for five cents and the small ones, eight for five cents.

LOST: A gold Bulova man's wrist watch with fabric band and cracked crystal. Reward. Contact Clyde Lumpkin at 200.

WANTED TO BUY: 16 and 35 mm cameras, projectors, and sound equipment. Write B.G. Bennett, 340 La Salle Avenue.

## TOUCH FOOTBALL

Deadline for all football team entries has been set for Monday, September 11. It is imperative that each team be represented at the meeting on Monday night for the drawing of opponents. All teams must have colored jerseys for the beginning of the league games. Any section still desiring to enter a team may call Gus Boughan, 216; Bob Nuber, 248; Walt Williams, 264; or Erwin Schumacher, 251; or have a representative at the league meeting at 8 p.m. Monday, September 11, at the Hampton Industrial USO. Any one wishing to referee league games may contact Tiny Hutton, phone 376

## RIFLE CLUB PLANS MATCH

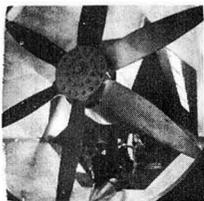
The Hampton Rifle Club is placing in competition a new trophy for local rifle team competition, and the match will take place sometime in October. Any rifle team of the Virginia Peninsula, from and including Williamsburg and Yorktown east to Old Point Comfort, is eligible to enter. Present plans are to have four-man teams; however, to provide teams having new shooters an opportunity to enter without necessarily weakening their efforts, the team may consist of eight men with only the four highest scores counting as the team score. The match will be held on the Hampton Rifle Club range.

The course of fire will be ten shots in each of the four positions, prone, sitting, kneeling, and standing. Any rifle chambered for .22 cal. rim fire ammunition may be used. The range will be fifty yards. Those interested may obtain match programs by contacting W. H. Lockwood, 78 LaSalle Ave, Secretary of Hampton Rifle Club, or S. K. Barranger, Electrical Generator Plant, Range Officer of Hampton Rifle Club.

EXTRA

# LMAL BULLETIN

EXTRA



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 40, Vol. 3

Langley Field, Virginia, September 19, 1944

Page 1

### SPECIAL MESSAGE TO THE STAFF

Fellow Workers,

Last week an appeal was made by Melvin Butler, our Personnel Officer, on behalf of the needs of the Laboratory for additional personnel. The response to this request has been very pleasing, but it is necessary for us to do even better. It has been noted by our officials in Washington that the employment curves of the Langley, Ames, and Cleveland laboratories have shown decline in the past thirty days due to a combination of causes which need not be discussed here. This laboratory, in particular, is facing a serious situation. The work load of urgent problems submitted by the Army and Navy is increasing and we do not have enough men and women on our rolls to do our job fast enough. The lives of our airmen, the outcome of battles, and the length of the war are involved.

In the face of the manpower shortage and our need for expansion, it has been difficult to properly staff the Laboratory. With the good news from the battlefronts it is natural that we should tend to suffer from a complex that the war is over, which is, to say the least, premature. Our country is still locked in a death struggle and the fighting and dying are far from over. Furthermore, the problems submitted by the Army and Navy are considered to be even more urgent as, in many cases, they are dictated by the immediate conditions that are arising from present-day battle experiences. It is necessary, therefore, that our staff continue to operate at its highest peak of efficiency and at the highest complement limitation.

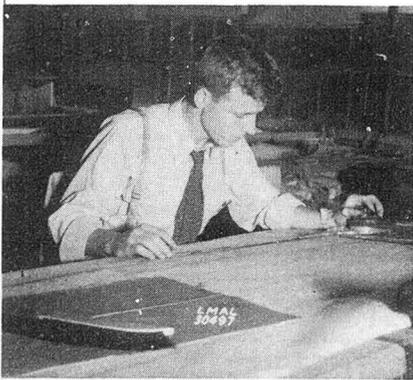
Our problem on which we need your help boils down to this: Our work load is increasing and will continue to increase even after the fall of Germany, and we need more personnel to meet our responsibilities. We are doing everything we can to bring in new employees. The Army is now combing its lists of returning soldiers in order to release qualified men to the NACA. The Civil Service Commission is making special efforts to meet our personnel needs. It is hard, however, for those on the outside to realize just how important our job is. You, however, do appreciate the importance of the work of the Committee.

You know how important the air forces have been toward gaining our present advantages over our enemies, and you know how important is the advantage of fighting with aircraft of superior performance. It is our job to give our airmen that advantage. For the sake of your country, I am asking each employee to give consideration to our previous appeal for employee prospects. Are there members of your family or others you know who can help us and would like to join our staff to have a part in gaining supremacy of the air? Have you friends of either sex who would like to do more important work toward winning and shortening the war? If so, send their names in to our personnel officer, in order that he may start the proper proceedings. Through this help you can add one more achievement to your splendid record of work, bonds, blood donations, and other similar activities.

I speak not only for the Laboratory, but for the country that we all love. We are close to the enemy's goal line. We need to carry the ball across to win. We need our full strength in the struggle, with everyone fighting with all his might.

*A. J. Heid*

# WORKERS NEEDED TO HELP IN WAR EFFORT



Chief among the positions vacant at the Laboratory are those in the following classifications: Aeronautical Engineers, Mechanical Engineers, Electrical Engineers, Physicists, Toolmakers, Machinists (Precision), Instrument Makers, Aviation Metalsmiths, Machinists (Outside), Patternmakers, Aircraft Modelmakers, Electricians (Industrial), Engineering Draftsmen, Aeronautical Laboratory Technicians, Photographers, Computers, Engineering Aides, Model Surfacers and Finishers, and Radio Technicians. The pay rates for these positions range from \$1620 to \$3800 per annum plus overtime. In addition to these, there are a number of clerical and trainee positions available.

Employees are requested to suggest the names of their friends who might be interested in any of the available positions. A blank is provided below for that purpose.

Name \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_

Name \_\_\_\_\_

Street \_\_\_\_\_

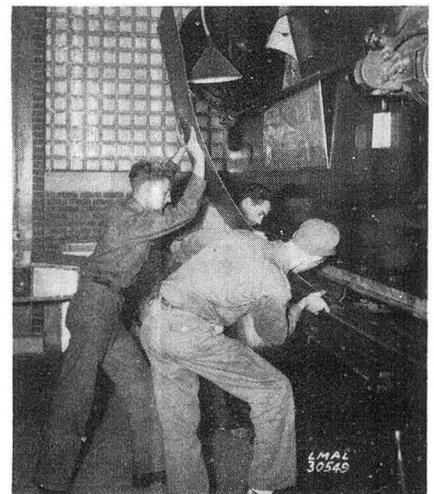
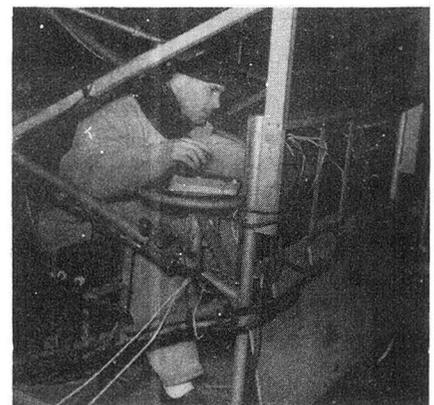
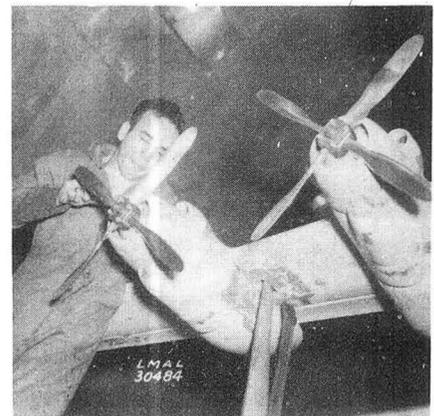
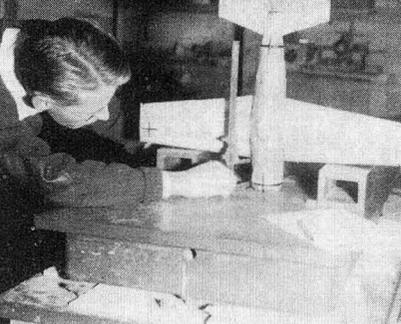
City \_\_\_\_\_

Name \_\_\_\_\_

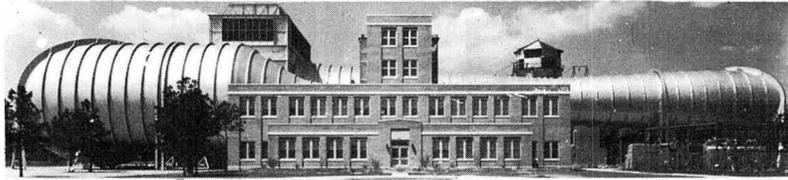
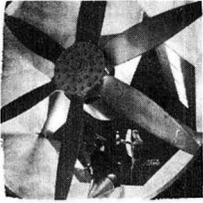
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# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 39, Vol. 3

Langley Field, Virginia, September 16-22, 1944

Page 1

### SYMS - EATON CENTER TO REOPEN SOON

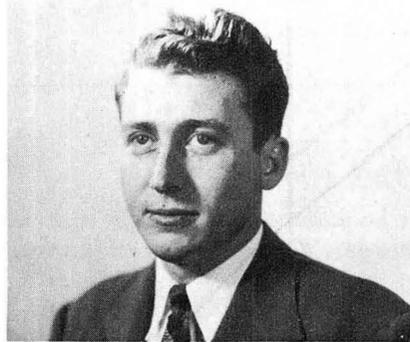
The Syms-Eaton Community Center, which was formerly the mecca for Laboratory employees with time on their hands, is being reopened within the next two weeks. At a meeting of the board of directors last Wednesday night, tentative assignments of rooms were made to groups which had formerly been located there.

Among the groups which have had rooms assigned to them are: Hampton Little Theater, Camera Club, Brainbusters, 4-H Club, Boy Scouts, Hampton Athletic Association, Model Railway Club, and Radio Club. In addition to these rooms, there will be rooms for games and recreation, and showers and lockers for interested athletes. All of these clubs have open memberships.

The building has recently been turned over to the Syms-Eaton Community Center Association by the Elizabeth City School Board. Among the members of the board of directors are the following Laboratory employees. Tom Hulcher, chairman, Paul D. Taylor, Mrs. Lenore Hulcher, Dr. William A. Aery, John Lowery, Frank Parmenter, and Bob Jeffries.

It is planned to have the building open evenings from 5 until 11 beginning the middle

Continued on page 4



Charles F. Barnett

### ARMY, NAVY VISIT LMAL

Under the auspices of the Executive Safety Committee, Commander A. R. Behnke, Lieutenant Commander W. A. White, Jr., and Captain H. L. Kirkendall of the Naval Medical Center, Research Institute, Bethesda, Md., visited the Laboratory on September 6. The purpose of the visit was to review Laboratory procedure and practice in working under compressed air.

The visitors inspected the Low Turbulence Tunnel, 19 Foot Pressure Tunnel, and the new medical decompressibility chamber now near completion. Of particular interest was the method of operating under sub-normal pressures. At a meeting with the Executive Safety Committee, a number of valuable suggestions and recommendations were made followed by an assurance that the present Laboratory procedures are entirely adequate, which has been shown by the excellent record of safety in pressure work.

### BARNETT NAMED TO NEW POSITION

Charles F. Barnett has been appointed Security Officer of the Laboratory, a position recently created in the office of the Chief of the Administrative Department for the purpose of preventing and investigating the theft and misuse of government property and property of Laboratory employees while on Langley Field.

Barnett comes to LMAL after five years with the Federal Bureau of Investigation. His last two years with the FBI were served as a special agent.

His work in investigation will not conflict with the routine character investigations conducted by the Civil Service Commission or with FBI investigations. He will serve as a liaison between the Laboratory and the local police, Military Police, and FBI.

Barnett (who is no relation to the bandleader of the same name) has asked the cooperation of all Laboratory employees in connection with the security program. He has particularly asked that all thefts, of government property or personal property at the Laboratory, be reported immediately. He can be reached at telephone 322.

The new Security Officer is 26 years old, and was born in Equality, Illinois. He studied at the Chillicothe

Continued on page 4



The LMAL Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor . . . . . Tiny Hutton  
 Managing Editor. . . . . Ruth Angel  
 Sports . . . . . Si Diskin, Nancy Shelton  
 Reporters. . . . . LMAL Employees

# CLEVELAND CLIPPINGS

**STUNT NITE:** Through popular demand, AERL is once again sponsoring a "Stunt Nite" which will be presented in October. Harry Bowles, genial emcee of past talent expositions, will again get performers off to a hilarious start.

**MODEL FANS:** Chester Lanzo and George and Robert Reich walked away from the model contest at Ann Arbor with five awards. Lanzo took first place in the free-flight rubber-powered group and the hand-launched glider contest, and second place in the tow-line glider event. Robert came in second in the Class B speed group, and George took first honors in the free-flight Class C group.

**AUXILIARY PATROL:** As a means of preventing confusion in the event of emergencies, an Auxiliary Patrol has been organized at AERL to supplement the NACA Patrol. Its primary function is to reduce confusion and congestion caused by members of the personnel who appear at the scene of an emergency.

**PRISONER OF WAR:** Lieut. John P. Wisner, former AERL employee, who was reported missing in action, is now prisoner of war in Germany. The editor of "Wing Tips" recently received the following letter from him, "Dear Ed, Am prisoner of war - since Feb. 24. Had been shot down over Germany on same date. Treatment and food okay. Get Red Cross food parcel weekly and daily German rations. We have a school system here where I'm taking Spanish, Drawing, and Metalurgy. Yours, J. P. Wisner.

**WANTED:** Second hand studio couch or sofa. Contact June Heckman, 345.

**FOUND:** Pedigree form on Boston Terrier named "Patsy". Owner may claim at Bulletin Office.

### BROTHER, CAN YOU SPARE A NICKEL?

Once again it comes our turn to solicit donations for the fund to mail Bulletins to our former fellow workers who are now in the armed forces.

There are nearly 100 fellows on our list now and that means almost three dollars a week for postage.

These fellows are literally scattered over the four corners of the earth. They write in regularly to say "thanks" for sending them the paper. To a man they say it is the only way they can keep in touch with their former fellow workers. V. H. Livesay wrote that "it was the next best thing to being back there." Gene Hicks says, "It's a swell morale booster." Charlie Anderson agrees that "it's like a letter from home." Shorty Harrison says, "Next to a letter from Mom, the Bulletin comes first." Benny Miller wrote, "Thanks again for sending the Bulletin and I sure am grateful to all of you."

They are a few excerpts. They express the thanks of fighting men to the folks who help to keep them "in the know" about the place they left and to which many hope to return.

Five cents from each employee would mail the Bulletins to these fellows for the next year.

★ ★ ★

### HIDDEN TREASURE

Do you remember the parable of the three sons who, apprised by their dying father of buried treasure in the vineyard, dug until they found, not gold, but riches in an abundant harvest?

There is buried treasure for each of us at LMAL in the plain surroundings of everyday life. One morsel of this treasure lies in the mass of paper which we waste every day, not only new paper but used paper which is reusable. Do you know that a quarter of a ton of waste paper is collected every day at LMAL? Do you know that your daily newspaper, which you read and discard, contains the makings of five cartridge covers or two packages for "K" rations? Do you know that you can get used paper for notations and memos, ready-cut and stapled, from the Duplicating Office in the Administration Building?

Yes, there is buried treasure in the paper which we waste, treasure that is especially needed at this time of paper shortage. So let's use new paper sparingly and used paper whenever possible in our daily work. The return will not be in gold but in the much greater treasure of quicker victory overseas and a better life afterward.



# SPORTS



## TOUCH FOOTBALL STARTS SEPT. 24

### EAST SHOP DEFEATS 19-FOOT 2-0

After the first two games had been called on account of darkness, with the score tied, East Area Shops finally eked out a 2-0 victory over the 19' Tunnel last Sunday on the Wilson diamond.

Dale Burrows and Al Martina were both very effective on the mound. Burrows was touched for three hits, gave up three walks, and struck out two. Martina allowed four hits, three walks, and struck out five.

Burrows also proved himself to be one of the hitting stars of the game, getting two singles. Cancro led the losers at bat with a single and a double.

The winners' first run came in the fifth inning when Brown and Gradle hit successive singles and Brown scored on an error. They tallied again in the seventh when Schumacher scored on Deters' wild throw to first.

Schumacher played steady ball in the Shop infield. He started two double plays, made nine assists, two putouts, and one error. A double play, Schumacher to Gradle to Vollrath, cut off Cancro at the plate and killed the losers' most dangerous threat.

The teams' next game was scheduled for Friday. If a third game is necessary, it will be played Sunday afternoon at 1:30. The winner will meet Structures in the finals.

### PLANS UNDERWAY TO FORM BOWLING LEAGUE

Plans are being made for Laboratory bowling leagues for the coming season. It has been tentatively planned to have four leagues, men's tenpins, men's duckpins, women's duckpins, and mixed duckpins.

The leagues will start rolling at the alleys in the Wythe Recreation Center as soon as they are finished.

All interested persons are asked to organize teams and send the team lists to the

Bulletin Office no later than Wednesday, September 20, in order to make necessary alley reservations. The mixed league will be open to Laboratory employees and their families. All other leagues will be for employees only.

Complete information as to the starting date, entry fees, and prizes will be announced at the earliest possible date.

The Community Touch Football League, made up of 15 Laboratory teams will begin its 10 week schedule on September 24.

The teams entered, with their captains and numbers are as follows: 1, Instrument Research, Moe Taubenslag; 2, Loads, Jack Westfall; 3, Spin Tunnel, Bob Schwartz; 4, Structures, Dave Ochiltree; 5, Tank, Bruce Amole; 6, Engineering, Irwin Schumacher; 7, PRT, Mark Nichols; 8, West Shops, Tommy Kurtyka; 9, Physical Research, Ned Bowen; 10, 8' High Speed Tunnel, Ralph Bielat; 11, 16' Tunnel, Al Evans and Pete Korycinski; 12, Flight Research, Walt Williams; 13, Stability, Dick Everett; 14, Construction, Andy MacIntosh (coach); 15, AWT, Billy Bates and Roy Spearman.

There will be a final meeting of all team captains and officials on Wednesday night, September 20, at 8 o'clock in the Industrial USO.

The complete schedule is printed below.

\*\*\*

#### BLOOD DONORS

Paul D. Taylor, Training Division, and Fred N. Rector, Reproduction, to emergency at Dixie Hospital on September 7.

	9-24	10-1	10-8	10-15	10-22	10-29	11-5	11-12	11-19	11-26
Hampton										
1 - 2:30	1-2	3-14	5-12	7-10	9-8	1-5	13-8	13-11	15-11	1-15
2:30 - 4	3-4	5-2	7-14	9-12	11-10	2-12	11-9	15-6	1-9	3-5
4 - 5:30	5-6	7-4	9-2	11-14	13-12		15-10	1-8	3-7	9-13
Armstrong										
1:30 - 3	7-8	9-6	11-4	13-2	15-14	3-15	1-12	3-10	5-8	11-7
3 - 4:30	9-10	11-8	13-6	15-4	1-4	4-14	3-2	9-4	14-10	6-8
Wythe										
1:30 - 3	11-12	13-6	15-8	1-6	3-6		5-4	7-2	6-12	2-14
3 - 4:30	13-14	15-12	1-10	3-8	5-7		7-6	5-14	2-4	10-12

## Life At The Laboratory

**WEDDING BELLS:** Lois Evans, Full Scale Tunnel, was married Monday, September 11 to Joe Dolan....Hazel Storey and Lloyd Fisher, Tank, tied the final knot on Tuesday, September 12.... Joe Dodson, Engineering Section, will be married on Sunday, September 17, to Betty Fisher of Clarksburg, W. Va.

**PARTIES:** Thomas E. Updegrove, East Model Shop, entertained members of the staff by celebrating his first wedding anniversary last Saturday night....Ruth Webb, Placement Office; Ann Burton, Stability Analysis; and Evelyn Renfro, Generator, entertained at a shower for Betty Ludwig on Wednesday, September 13. Betty will marry Sig Sjoberg, FRD, on Friday, September 22....Margaret Steiner, Impact Basin; Patsy Coe and Gladys Fulton, Aircraft Loads, entertained the division personnel at a surprise house warming for Mr. and Mrs. Wilbur Mayo on River Road.

**MISCELLANY;** Nancy Shelton, Personnel Services, is recuperating at the Buxton Hospital from a recent appendectomy.... Margaret Farmer, AWT, has returned to the Lab after undergoing a nose operation at her home in Wilson, N. C....Bill Craig, Recruiting, will leave the Laboratory Tuesday, September 19, to become one of Uncle Sam's boys....Viva Michels, Office Chief of Mechanical Services, and Alvin Brittingham, West Machine Shop, have returned from a visit to Viva's home in Wisconsin. Viva is sporting a diamond, and it looks as though wedding bells will be ringing within the near future.

## BARNETT

Continued from page 1

Business College in Chillicothe, Missouri, and went with the FBI as a clerk in November, 1939. He received his LL.B. from Columbus Law University in Washington in June, 1942. At that time he was appointed a special agent.

### *My Appreciation*

*The staff showed a very excellent attitude in reporting to their jobs on the morning of the hurricane. The conditions, particularly during the morning, were serious and I think the Laboratory is to be complimented for their splendid spirit on this occasion. I also want to express my appreciation to those who went beyond the usual line of duty to save Laboratory equipment that might otherwise have been in jeopardy.*



## USO NEWS

This week's program at the Hampton Industrial USO will begin on Sunday, September 17 with open house. On Monday, September 18, at 6 p.m. the Anne Wythe Archery class will meet; at 7:30, the Anne Wythe social club and the Athletic Club; and at 8, the bridge club. The American Legion will meet at 8 p.m. on Tuesday, September 18. On Wednesday at 7:30 p.m. the USO Mimes will meet; at 8, the chess class, and at 9 an informal dance. The movie "Always a Bridesmaid" will be shown at 8:30 p.m. on Thursday, September 21. Both the Friday and Saturday calendars will be featured by open house.

**LOST:** Man's balloon tire bicycle painted dark blue with cream rims. Tires have chain tread. All chrome parts are painted black. Has wide handlebars with black grips. If found contact H. P. Hoggard, AWT, 233.

**Save Lives—Speed Victory!**

## BULLETIN SPONSORS CARTOON CONTEST

One continual gripe (and there are many) about the Bulletin is concerning the scarcity of cartoons. It just so happens that neither of the staff members can draw anything except flies.

Employee contributions along this line have also been pretty scarce, so the Bulletin staff is making an attempt to stimulate interest in this worthwhile effort to make the employees laugh or smile as the case may be.

Anyone at the Laboratory who thinks that he or she can draw is invited to participate in a cartoon contest here and now.

The deadline on entries is Saturday, September 30. All cartoons must be drawn in black ink on white paper. They will be judged on the following four points:

1. Artistic content
2. Humor
3. Originality
4. Suitability for publication

Cartoons may be submitted with or without captions, and employees are unlimited in the number they may submit.

Judges will be J. J. Lankes, head of the Illustrating Unit and well known woodcut artist; Ben Vogel, former art editor of the Bulletin; and Tiny Hutton, Editor of the Bulletin.

A complete list of the winners and the winning entries will be published in the Bulletin soon after the close of the contest.

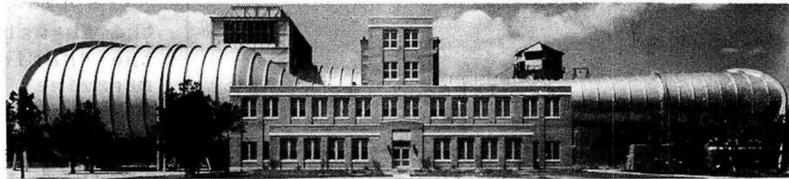
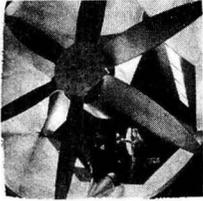
## SYMS-EATON

Continued from page 1

of next week. Frank Long, director of the Industrial USO has the keys to the building and members of any clubs which have been assigned quarters may get the keys from him in order to fix up their rooms at any time.

**LOST:** Sterling silver rose spray pin. Reward. If found, contact Bulletin Office.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 40, Vol. 3

Langley Field, Virginia, September 23-29, 1944

Page 1

### COURSE IN GERMAN TO BE OFFERED

Some members of the Laboratory staff have indicated a desire to participate in a course in beginners technical German. Such a course can probably be offered through the University of Virginia Extension Program provided satisfactory enrollment can be secured.

Such a course would be taught by Mr. Paul Kuhn of Structures Research and no prerequisites will necessarily be required. Mr. Kuhn points out that this course is not intended for advanced students and that although it will deal with technical German it will begin at a low enough level to accommodate students who have not previously studied German. Employees interested in this course are requested to contact the Training Division, phone 300, not later than Tuesday, September 26, at 4:00 p.m.

### LAB HAS ONE NURSE NIGHTLY

Due to the shortage of nurses, only one will be on duty during the night shift hours. She will be located in the West Area Dispensary, telephone 375, and all accidents occurring during that time, should be reported to her.

## BOMBER DITCHED IN RIVER AS PART OF LABORATORY TEST

Major Julian A. Harvey and Col. Carl F. Greene ditched a modified B-24 in the James River last Wednesday afternoon at 12:30 as part of a series of tests aimed at saving lives of air crew members forced down at sea, which are being carried on by the NACA at the request of the Army and Navy.

The full-scale ditching (the emergency landing of a land based airplane on water) was necessitated in order to obtain definite proof of the relationship between the model tests which have been conducted in Tank No. 2 and the Open Water Research Section for the past year and a half.

★ ★ ★

## SOFTBALL DANCE TICKETS ON SALE

The combined men's and women's softball leagues are sponsoring a dance at the Hampton Armory on Saturday night, September 30, from 10 until 1.

A new Laboratory orchestra, the Modernaires, featuring the vocals of Johnny Maro, will make its initial appearance at the dance. Tickets are \$1.75 and may be purchased from the captains of the softball teams. Proceeds from the dance will be used to buy equipment for the leagues next year.

A program is being planned for intermission, at which time the winners of the leagues will be presented with prizes.

From a non-technical, eyewitness viewpoint, the airplane, which had been painted a vivid yellow, headed over the James River at a low altitude, coming from the direction of the Newport News-Hilton Road. Its course was parallel to the bridge and about a half-mile north. At a point a little more than a mile from the east bank, with flying speed a little above 100 mph, its tail settled in the water. It gave a momentary skip; the tail hit the water again; the belly of the ship settled; and the nose plowed under in a sheet of spray which hid everything from view for an instant. The nose bobbed up immediately and about a minute later the pilot, Major Harvey, came up through the escape hatch which had been installed in place of the top gun turret. He was closely followed by Colonel Greene. A rescue boat was on the scene and the two

(continued on page 4)



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Editor . . . . . Tiny Hutton  
 Managing Editor. . . . . Ruth Angel  
 Sports . . . . . Si Diskin, Nancy Shelton  
 Reporters. . . . . LMAL Employees

*RESPONSIBLE DRIVERS*

The 1800 odd Laboratory employees who have obtained NACA license plates for their automobiles have little cause for concern over the Virginia Motor Vehicle Safety Responsibility Act which goes into effect January 1, 1945, since they have insurance.

The law provides for the suspension of drivers' licenses and vehicle license plates when the owner or driver of an automobile is involved in an accident causing at least \$25 property damage or injury or death, or when a person has failed to pay a judgment of \$25 resulting from a motor vehicle accident, unless proof of financial responsibility is filed.

The time limit on paying judgments is fifteen days if the accident occurred in Virginia and 30 days if in another state. In cases of driver's license suspension for conviction or bail forfeiture, the license will be restored after the period of revocation is at an end and the person has furnished proof of financial responsibility.

Proof of financial responsibility can be furnished most easily by having a standard automobile liability insurance policy. The standard policy is the so called five-ten-five policy that is required on all cars coming onto Langley Field. The policy provides coverage of \$5000 for injuries or death of one person, \$10,000 for injuries or death of two or more persons in the same accident, and \$5000 property damage. The proof may also be furnished by having a surety bond or by depositing with the Division of Motor Vehicles an amount sufficient to cover any judgments for damages resulting from the accident.

As the booklet distributed by the Commonwealth of Virginia states, it is not a compulsory insurance law; however, it makes insurance very desirable.

The law is designed to protect the responsible driver and car owner and to assure that damage, injury, and death on the highways will be compensated for by whoever is at fault.

FOR SALE: 12-foot sailing dinghy. Contact Dave Ullman, phone 352.

LOST: A small black Sheaffer fountain pen. Reward. If found, contact Dorothy Harmon at 303.

FOR SALE: Light weight pre-war bicycle. Same party would also like to buy a portable typewriter. Contact A. H. Rosenfeld, 60 Elizabeth Road or call the Bulletin Office, 376.

# Laboratory War

Appearing on the cover of the August, 1944 edition of the "National Aeronautics" magazine, was a picture of a Navy scout bomber mounted in NACA's new wind tunnel - the world's largest - at Ames Aeronautical Laboratory, Moffett Field, California. The plane's reactions are tested in a blast generated by six 6000 horsepower drive units which force air at unusually high velocity through the tunnel's massive 40 by 80 foot throat.

The following excerpts were taken from an article "Laboratory War" by John F. Victory, which appeared in the same issue.

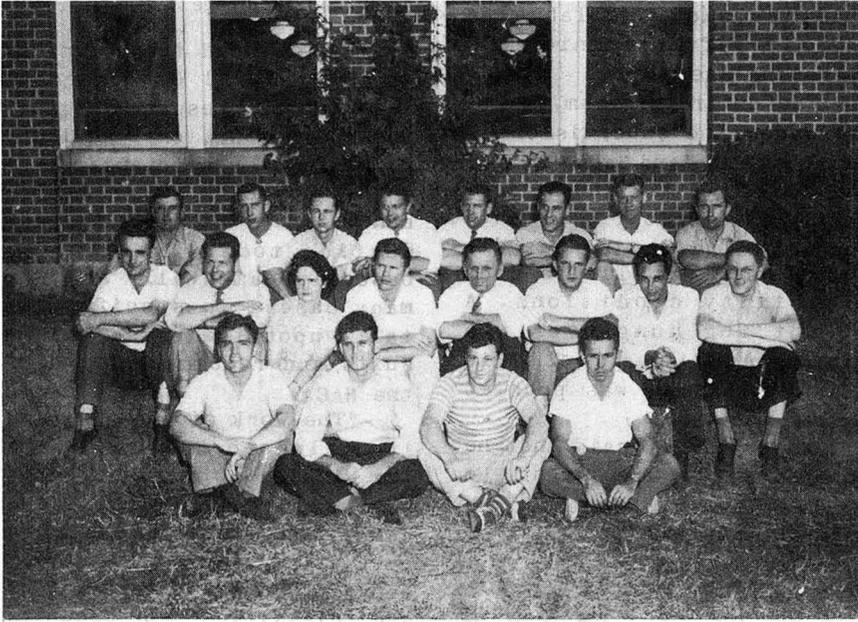
"Unsung heroes in America's conquest of the skies include civilians in research laboratories where the contest for control of the air has been waged as relentlessly as on the battlefield. And throughout the day and night, in the great wind tunnels and research laboratories of the National Advisory Committee for Aeronautics, in the machine shops and drafting rooms and computing sections of the aircraft industry as well as in the experimental engineering facilities of the Army and Navy, American scientists have been pitted against German and Japanese scientists."

"Even after research results are applied in the experimental construction of new types of airplanes, there remains room for further improvement as a result of analysis in full-scale wind tunnels and in flight...."

"...It must have long range, carrying capacity, fire power, stability, maneuverability, high rate of climb, and ability to reach higher altitude than the enemy. Improvement in these characteristics is not the result of mere chance. It is the result of painstaking study and planning by expert designers in the aircraft industry and in the Army and

Continued on page 4

## Defending Champions



Half of the Structures softball team seem to be watching the "birdie" on their right and the others are smiling straight into the camera. Maybe it's the hope of victory. The team members who have just reached the final playoffs are: Bottom row, left to right, Walter Woods, second base; Captain Si Diskin, pitcher; Len Bartone, shortstop; Howard McCracken, utility; Second row, Carl Rossmann, outfield; Harold Crate, outfield; Lillie Belle Evans, scorekeeper; George Zender, short field; Joe Kotanchik, first base; John Neff, catcher; Charles Dobrowski, utility; Evan Schuette, outfield; Top row, Bill Coyle, first base; Dave Ochiltree, third base; Bill Hickman, utility; John Houbolt, outfield; Andy Anderson, short field; Pat Chiarito, catcher; Gus Boughan, outfield, and Edwin Kruszewski, utility.



**HOW NOT TO TOUCH  
IN TOUCH FOOTBALL**

## FOOTBALL SEASON STARTS SUNDAY

The Laboratory touch football league gets off to a start Sunday, September 24, with six games. In the 10 o'clock games Physical Research plays West Shops at Hampton; Engineering plays PRT at Armstrong; and 16' Tunnel plays Structures at Wythe.

The 3 o'clock games are: Stability vs. Instrument Research at Hampton; Loads vs. 8' HST at Armstrong, and Flight Research vs. Tank at Wythe.

Two teams dropped out of the league and the schedule published in last week's Bulletin is no longer in effect. The complete list of teams is as follows: 1, Physical Research; 2, West Shops; 3, Engineering; 4, Flight Research; 5, Propellor Research; 6, Tank; 7, 16' Tunnel; 8, Stability; 9, Loads; 10, Structures; 11, 8' High Speed; 12, AWT; and 13, Instrument Research.

More officials are needed for the season and persons interested are asked to call the Bulletin Office, 376.

## STRUCTURES FACE 19-FOOT TUNNEL IN SERIES FINALS

Structures Research, champions of the Laboratory softball league last season, put their title on the block in a three-out-of-five series with the 19-foot Tunnel, conquerors of East Area Shops in the semi-finals.

The first game of the finals was scheduled for Friday afternoon. The other games will follow on Sunday at 10:30 a.m. and on Monday, Wednesday, and Thursday at 6 p.m. All games will be played on the Wilson diamond.

## DITCHING

Continued from page 1

flyers went aboard while members of the rescue party secured buoys under the wings.

As far as outward damage was concerned, a large crack appeared in the underside of the fuselage under the leading edge of the wing, the lower half of the vertical rudders bent upward, and the two port propellers were broken off.

The Army Air Forces made three B-24's available for the test. All were classed as "war weary", or no good for further combat flying. The one that was used on Wednesday was the "Ellie Mae", veteran of many combat hours with two enemy submarines to her credit.

For the ditching, material structural changes were made in the airplane, and other safety precautions were taken for the two man crew. A large number of instruments were placed aboard for the purpose of recording precise data as to the deceleration and water pressure imposed by landing. These instruments were mounted in watertight containers painted bright red as a precaution against their destruction in case of fire. They had also been made buoyant in order to keep them on the surface should they become detached.

A spokesman from the Air Technical Service Command said that when these tests are completed, the data, which for the present is

classified military information, will undoubtedly eventually be made available to all aircraft companies and operating agencies.

The entire program, which was under the supervision of Bill Ebert and Capt. Donald Eastman of the Liaison Office, went off "without a hitch." The actual ditching was delayed one hour due to poor visibility conditions. A slight fog hung over the river, and the pilot said that visibility was poor at a half-mile.

Major Harvey said that he enjoyed the entire flight. He said that he suffered no injury whatsoever.

## USO NEWS

This week's program at the Hampton Industrial USO will open on Sunday, September 24, with open house. On Monday, September 25, at 6 p.m. the Anne Wythe Archery Class will meet; at 7:30, the Anne Wythe Social Club; and the Athletic Club; and at 8 p.m., the bridge club. The American Legion will meet at 8 p.m. on Tuesday, September 26, and on Wednesday, September 27, at 7:30 p.m., USO Mimes rehearsal; at 8 p.m. chess class; and at 9 p.m. a sing and informal dancing. On Thursday, September 28, at 6 p.m., Anne Wythe Archery Class; at 7 p.m. calisthenics; and at 8:30 p.m. the movie, "Flesh and Fantasy." Both the Friday, September 29, and the Saturday, September 30, calendars will be featured with open house.

## LABORATORY WAR

Continued from page 2

Navy. But behind these experts is the Federal Government's aeronautical research organization, the National Advisory Committee for Aeronautics..."

"...There is not an American military airplane in production today that is not based fundamentally and, in many cases, in specific detail, upon the research results and recommendations of the NACA.

"The work of the NACA and its value to the nation in the winning of the war cannot be publicized in detail because the problems assigned by the Army Air Forces and by the Navy Bureau of Aeronautics are 'classified' for security reasons...it must be content to let the results speak for themselves through the relative performance of American airplanes in combat."

"...Underwriting America's future in the aerial age, and underwriting preparedness for such air power as will effectively preclude attack, is America's organization for scientific research in aeronautics. America's aeronautical research policy is in effect an insurance policy on the life of the nation."

★ ★ ★

WANTED: Second hand studio couch or sofa. Contact June Heckman, 345.

FOUND: Pedigree form on Boston Terrier named "Patsy". Owner may claim at Bulletin Office.

## NACA WAR BOND RECORD IN AUGUST

	<u>Washington</u>	<u>Langley</u>	<u>Ames</u>	<u>Cleveland</u>	<u>Total</u>
Number of employees	118	2,965	601	2,295	5,970
Number participating	108	2,826	566	2,238	5,738
Percentage participating	91.53%	95.60%	94.17%	97.51%	96.11%
Monthly pay roll	\$27,030.19	\$627,711.25	\$139,529.51	\$525,128.14	\$1,319,399.09
Amount subscribed	\$3,072.66	\$80,678.27	\$14,468.24	\$55,732.53	\$153,951.70
Percentage subscribed	11.37%	12.85%	10.36%	10.61%	11.00%
Average subscription	\$28.45	\$28.55	\$25.56	\$25.34	\$26.83

## Life At The Laboratory

**WEDDING BELLS:** Ira Ramsey, West Engineering, and Marjorie Luke, Employment, were married at St. John's Episcopal Church, Hampton, on Wednesday, September 20....Betty Ludwig, Aircraft Loads, and Sig Sjoberg, Flight Research, tied the final knot on Friday, September 22, at St. John's. Bridesmaids were: Ann Burton, Stability Analysis; Ruth Webb, Office of Chief of Administrative Department; and Evelyn Renfro, Generator. Jack Paulson, Free Flight Tunnel, was best-man. Ushers were: Owen Deters and Chet Furlong, 19-Foot Pressure Tunnel, and Clo Wood and Bunny Klawans, Flight Research....Barbara Huffman, Personnel, and Jack Runckel, 16-Foot, were married Tuesday, September 19....Paul O'Meara, Physical Research, will be married tomorrow, Sunday, September 24, to Margaret Whelan of Owatonna, Minnesota....Jackie Martin and Phillip Edge, Impact Basin, were married Saturday, September 16 in Washington.

**MISCELLANY:** Jack Westfall, ALD, is engaged to Margaret Vann, Hampton. The date for the wedding has not been announced...In an effort to prolong the summer months, Stability Tunnel had a beach party at Virginia Beach Sunday, September 17...The Impact Basin personnel had a bowling party in Phoebus Tuesday night, September 19.

## WILL DISPLAY MEET TROPHIES

The trophies for the Model Championship are expected to arrive some time this week. Upon arrival, they will be on display in the show window of the Wyatt Brothers clothing store.

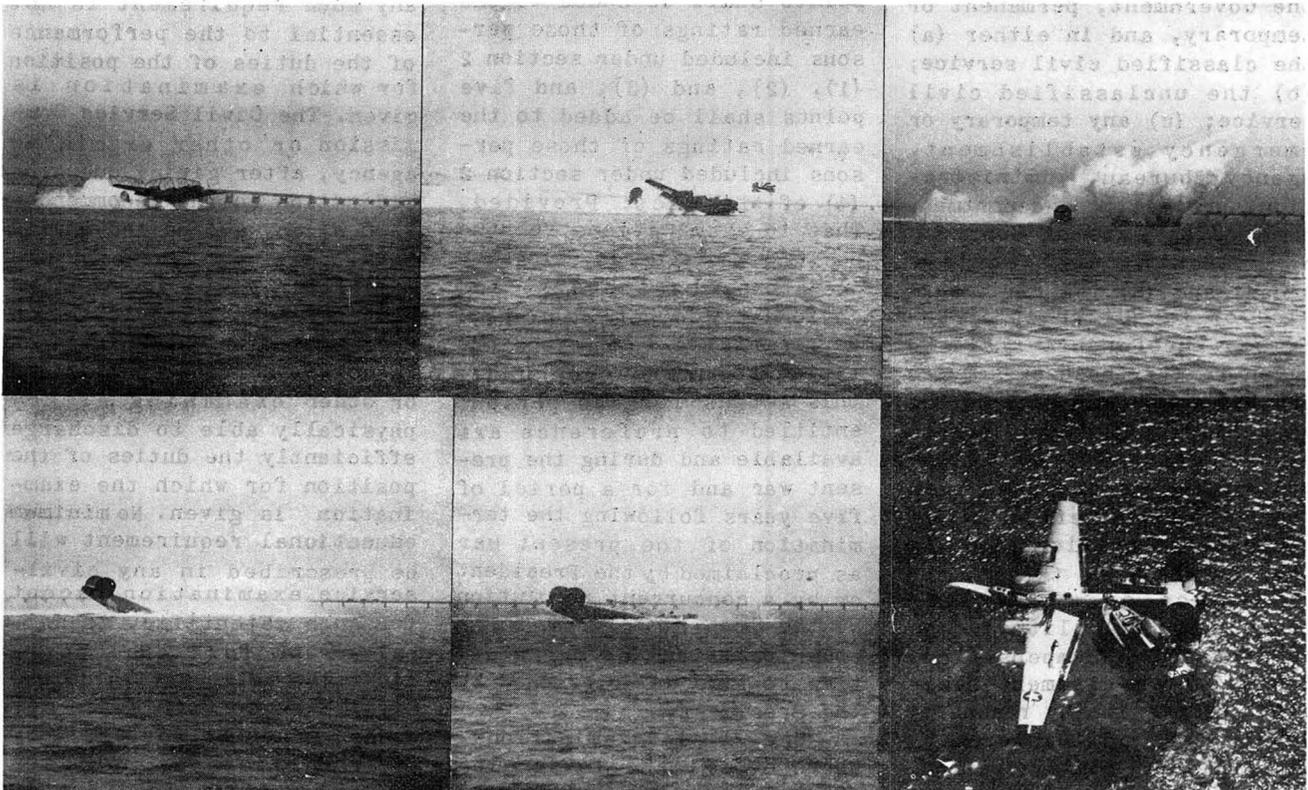
The Brainbusters will meet Sunday, September 24 at the Hampton Industrial USO at 8 p.m. Movies of the 1941 National Model Championship Meet and Radio Control Flying will be shown.

## LITTLE THEATER TRYOUTS SUNDAY

The Hampton Little Theater will hold its first tryouts for the season Sunday afternoon, September 24, at 3 o'clock in the Sym-Eaton Community Center on Academy Street.

The tryouts will be for parts in the first workshop presentation which will be given October 13. Two plays will be presented. One is a one-act which will be directed by Pfc. George Smith of Langley Field, and the other is a variety musical revue under the direction of Tiny Hutton.

Anyone interested in acting or staging is invited to attend. Persons with special talents such as singing, dancing, or any other specialties are particularly needed for the revue.



The complete ditching sequence is shown above. On the top row, left to right, the tail surfaces hit the water; the left wing dips down; the entire plane hits the surface. Bottom row,

left to right, the nose goes down; the nose bobs up; rescue boats rush to the side to move the two man crew.

# STARNES ACT PROTECTS VETERANS

This is the first of four installments of the text of the Starnes-Scrugham Act which was recently passed by Congress "to give honorably discharged veterans, their widows, and wives of disabled veterans who themselves are not qualified, preference in employment where Federal funds are disbursed."

The law reads as follows:

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That this Act may be cited as the "Veterans' Preference Act of 1944."

Sec. 2. In certification for appointment, in appointment, in reinstatement, in reemployment, and in retention in civilian positions in all establishments, agencies, bureaus, administrations, projects, and departments of the Government, permanent or temporary, and in either (a) the classified civil service; (b) the unclassified civil service; (c) any temporary or emergency establishment, agency, bureau, administration, project, and department created by Acts of Congress or Presidential Executive order; and (d) the civil service of the District of Columbia, preference shall be given to (1) those ex-service men and women who have served on active duty in any branch of the armed forces of the United States and have been separated therefrom under honorable conditions and who have established the present existence of a service-connected disability or who are receiving compensation, disability retirement benefits, or pension by reason of public laws administered by the Veterans' Administration, the War Department or the Navy Department; (2) the wives of such service-connected disabled ex-servicemen as have themselves been unable to

qualify for any civil-service appointment; (3) the unmarried widows of deceased ex-servicemen who served on active duty in any branch of the armed forces of the United States during any war, or in any campaign or expedition (for which a campaign badge has been authorized), and who were separated therefrom under honorable conditions; and (4) those ex-servicemen and women who have served on active duty in any branch of the armed forces of the United States, during any war or in any campaign or expedition (for which a campaign badge has been authorized), and have been separated therefrom under honorable conditions.

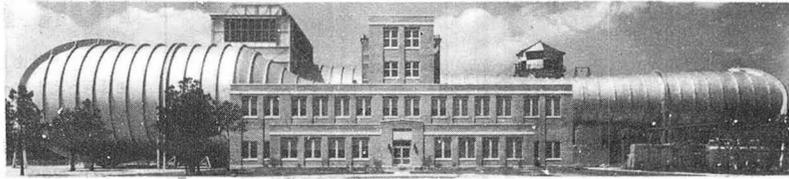
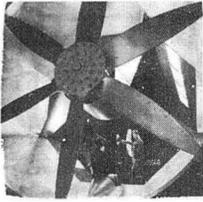
Sec. 3. In all examinations to determine the qualifications of applicants for entrance into the service ten points shall be added to the earned ratings of those persons included under section 2 (1), (2), and (3), and five points shall be added to the earned ratings of those persons included under section 2 (4) of this Act: Provided, That in examinations for the positions of guards, elevator operators, messengers, and custodians competition shall be restricted to persons entitled to preference under this Act as long as persons entitled to preference are available and during the present war and for a period of five years following the termination of the present war as proclaimed by the President or by a concurrent resolution of the Congress for such other positions as may from time to time be determined by the President.

Sec. 4. In examinations, where experience is an element of qualification, time spent in the military or naval service of the United States shall be credited in a vet-

eran's rating where his or her actual employment in a similar vocation to that for which he or she is examined was interrupted by such military or naval service. In all examinations to determine the qualifications of a veteran applicant, credit shall be given for all valuable experience, including experience gained in religious, civic, welfare, service, and organizational activities, regardless of whether any compensation was received therefor.

Sec. 5. In determining qualifications for examination, appointment, promotion, retention, transfer, or reinstatement, with respect to preference eligibles, the Civil Service Commission or other examining agency shall waive requirements as to age, height, and weight, provided any such requirement is not essential to the performance of the duties of the position for which examination is given. The Civil Service Commission or other examining agency, after giving due consideration to the recommendation of any accredited physician, shall waive the physical requirements in the case of any veteran, provided such veteran is, in the opinion of the Civil Service Commission, or other examining agency physically able to discharge efficiently the duties of the position for which the examination is given. No minimum educational requirement will be prescribed in any civil-service examination except for such scientific, technical, or professional positions the duties of which the Civil Service Commission decides cannot be performed by a person who does not have such education. The Commission shall make a part of its public records its reasons for such decision.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 41, Vol. 3

Langley Field, Virginia, September 30-October 6, 1944

Page 1

### SUGGESTION BOX POSTED WITH NEW BULLETIN BOARDS

A new set of bulletin boards and a safety suggestion box have made a recent appearance on the first floor of the Service Building. Their purpose is to centralize bulletin boards, attendance sheets, and to strike a new note in the Laboratory's safety program, that of providing a place where safety suggestions may be written and deposited in the box.

The suggestion box is located under the safety bulletin in the center of the set. A supply of forms on which suggestions may be written is provided in a container adjoining the box. A small counter is provided for writing.

A pair of general bulletin boards flank the safety set-up. Each of them is provided with a counter, on which the daily attendance record sheets are placed. Employees of the Personnel Division will sign in and out at this central location.

This new combination is serving the Personnel Division staff. Where practicable it is planned to have similar boards installed throughout the Laboratory as soon as they can be completed.

Safety suggestions may still be sent through regular channels, but officials feel that the suggestion box will

Continued on page 5

### INSURANCE FOR OUR AIR TRAVELERS

*The Laboratory has been notified by the Washington Office that insurance can be made available to personnel traveling on official business via scheduled airlines, Committee airplanes, and military aircraft. This insurance will not apply to research or test flights.*

*Complete details are not available at present, but full information will be furnished to interested persons as soon as it is available. Persons interested should notify Mrs. Indaline T. Atkins, telephone 200.*

### FITCH NAMED TO NACA

Vice Admiral Aubrey W. Fitch, USN, Deputy Chief of Naval Operations (Air), has been appointed by the President as a member of the National Advisory Committee for Aeronautics. He succeeds Vice Admiral John S. McCain, USN, who has been transferred to other duty.

#### LYNCHBURGERS TO FORM CLUB

All former residents of Lynchburg who are interested in forming a social club are asked to contact Robert H. Hinnant, Construction Drafting, or 227 Regent St., Armstrong Gardens, Apt. 4.

### MODEL MEET TO BE HELD TOMORROW

The Brainbusters will hit the high spot of their past year's activity tomorrow when they hold their annual championship model airplane contest. The meet will be held at the corner of La Salle Avenue and the Shell Road from 10 a.m. until 5 p.m.

The contest is the largest held on the east coast this year. Prizes total \$500.

Dick Everett, one of the former top model builders of the country, is director of the contest. George Evalenko is assistant director. Harold R. Turner, Sr. will act as chief of police in keeping the spectators out of the restricted area. Margaret Lamberth is chief recorder and Laverne Priddy is her assistant.

The trophy list and the donors are as follows: Class "A" Gas - First, H. J. E. Reid; Second, E. McK. Hutton; Third, Hydrodynamics Division; Class "B" Gas - First, Brainbusters; Second, Structures Club; Third, Hydrodynamics Division; Class "C" Gas - First, Administrative Department; Second, Training Division; Third, Hydrodynamics Division; Rubber Powered-First, Dynamic Model Shop; Second, Maintenance Division; Third, West Sheetmetal Shop.

In addition to these,

Continued on page 4



The LMAL Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor . . . . . Tiny Hutton  
 Managing Editor. . . . . Ruth Angel  
 Sports . . . . . Si Diskin, Nancy Shelton  
 Reporters. . . . . LMAL Employees

## LIST OF PLACES FOR REGISTERING

With the presidential election slated for November 7, many inquiries are being made as to where a person may register. Elizabeth City county does not have a general registrar, but a separate registrar for each precinct who handles the registration books.

Registrars for each of the county's seven and Hampton's two precincts, their addresses and telephone numbers are:

LaSalle, H. H. Moore, 120 Hanover Ave., 5670; Hampton Roads, J. E. Boyd, 1901 Electric Ave ; East Hampton, J. W. Colonna, 14 Pine St., 3893; Buckroe Beach, Beverly Johnson, phone 5990; Fox Hill, Mrs. Gladys Johnson, 700 Beach Rd.; Back River, Mrs. Jesse Hogge, Briarfield Rd., phone N.N. 2-3223; and Phoebus, C. Guy Mugler, 24 Mellen St., 6261.

Hampton, Courthouse, Wallace Hicks, 4 Bayley St., 4926, and River, Curle Jones, 618 Armistead Ave., 5480.

Many new housing projects have been built and newcomers are at a loss to find what precinct they reside in. Copeland Park voters cast ballots in Back River precinct at Fox's store on the Sawyer Swamp Rd. Cavalier Court and Langley View vote in East Hampton at the community house on Hampton Ave. College Court, near Buckroe, votes at Buckroe. In Wythe, Southampton, Southampton Apts., and Armstrong Gardens vote in LaSalle precinct which is set-up in a store on LaSalle Ave. near the carline. Anne Wythe Hall and Kecoughtan Court residents vote at the Wythe Protective Association Hall on the Kecoughtan Rd. at Catalpha Ave., which is in Hampton Roads precinct.

It is now too late to pay poll taxes to vote in the general election since the deadline is six months prior

(Continued on page 4)

## IN COMPLIANCE WITH THE LAW

Now that schools have started again, the State of Virginia is putting on another campaign to enforce the law that requires motorists to stop when meeting or overtaking a school bus that is stopped. The law was put into effect for the safety of our children.

Employees on the 8:15 shift frequently come in contact with the school bus on Langley Field Road in the vicinity of Sherwood Park and Cavalier Court. These developments are largely populated by NACA workers and their families.

Obey the law and save a life.

Employees of the Laboratory have been asked to cooperate with the Base Traffic Regulations which prohibit civilian driving on certain streets in the main residential and hospital area of Langley Field.

Eliminating unnecessary traffic and noise from the hospital area is essential for obvious reasons. It is equally as important on the streets where the children of base residents are at play. Recently, a child was seriously injured when struck by a car in one of these areas.

Here is another law designed to protect children. Abide by it.

## MODEL MEET TROPHIES





## SPORTS



### TOUGH FOOTBALL SEASON OPENS

Flight, 21; Tank, 6  
Structures, 14; 16', 0  
Engineering, 13; PRT, 0  
8' HST, 14; Loads, 7  
West Shops, 6; PRD, 6  
Stability, 6; IRD, 6

Claude Hart was the big gun in the scoring of Flight's 21 points against Tank. He circled left end on a 35 yard scoring jaunt in the third quarter, and tallied twice in the fourth, once on a pass from Daum and again on a 60 yard run after a lateral from Forsyth. Flight scored first in the first period when Walt Williams downed Bob Walters, Tank back, in his own end zone. The Tank score came in the second when Frank Deis intercepted a pass and went 30 yards to the goal line.

Structures' passing attack paved the way to a win over 16-Foot. In the first period, Dobrowski heaved a long one to Anderson for a score, and in the second quarter, Boughan snapped a short one over center to Kruszewski for another touchdown. The second half was scoreless.

PRT played in Engineering's territory most of the first half, but could not put the ball across. Two pass interceptions set up the Engineering scores, both of which came in the last half. Schumacher passed to Lindell for a touchdown after Marchal's interception had set up the score. The final tally came, after Dodson intercepted a pass, when Schumacher passed

WANTED: Mrs. Marie Cole, Blueprint Room, telephone 211, wants to contact the driver of the car who dented her '38 DeSoto coupe on Dodd Boulevard between the theater and the Administration Building the day of the hurricane

to Cecil.

The 8' HST won from Loads by virtue of its passing attack. In the second quarter, Luoma threw a short one to Vincke for a score. Later in the same period, the same combination scored on a 40-yard pass. Passes from Irwin to Donaldson and Irwin to Bielat made good the extra points. Loads' only score came in the last period on Cancro's end run.

West Shops came from behind in the last period to tie Physical Research. The PRD score came on Trenkle's interception of a Shop pass and his 40-Yard runback. Shops scored on a pass from Kurtyka to Little.

Jack Paulson's 40-yard return for a touchdown enabled Stability to tie IRD in the fourth quarter of their ball game. The IRD score was made on McConnell's pass to Taylor.

Among the unsung heroes of the line in the first week's games were Bowen of PRD, Nutter of Engineering, Williams of Flight, and Amole of Tank.

The schedule this week finds 16-Foot vs. Flight at Hampton at one; PRD vs. Engineering at Hampton at three; 8' HST vs. IRD at Armstrong at one; Shops vs. AWT at Armstrong at three; PRT vs. Loads at Wythe at one; and Stability vs. Structures at Wythe at three.

FOR SALE: 1941 Buick Special Sedanette, dark green, 25,000 miles, good condition, original owner. John Wright, 8' HST, telephone 292, or Southampton Apartments 10D.

WANTED: A table top desk. Conrad Lahser, telephone 300.

### 19-FOOT LEADS FINAL SERIES

The 19' Tunnel team took the lead in the softball finals, winning the first two games from Structures 1-0 and 6-1. Structures came back, behind the no-hit pitching of Si Diskin, to take the third game 1-0, and the fourth game ended in a six inning deadlock, 2-2.

As the Bulletin went to press, games were scheduled for Thursday and Friday. One win will give the championship to 19-Foot.

For the most part, the games have been pitchers' battles. Diskin was nicked for 10 hits in the four games while Martina gave up 12. Martina struck out 23 men and walked 10. Diskin struck out 13 and walked 12.

In the first game, Done-son, 19-Foot third baseman, got on and went to second on an error, went to third on a wild pitch, and scored on Alexander's fly to left field.

In the second game, after Structures had tied it up in the seventh, three 19-Foot hits and three Structures errors pushed across five runs for the tunnel team in the eighth inning.

In the Structures win in the third game, Houbolt singled, advanced on a base on balls, and scored on Kotanchik's double.

The fourth game, Bartone and Crate were instrumental in the Structures scores, and Pitcher Martina's triple pushed across one for 19-Foot. Martina scored on an error.

The winners in both the men's and women's leagues will be presented with prizes at the dance at the Hampton Armory tonight. Tickets will not be sold at the door, but may be purchased from the team captains today.

FOUND: Four keys on paper clip. Owner may contact Pilots Office, 285.

## REGISTRATION

Continued from page 2

to the election as provided by law; however, those who have paid one year's poll tax and obtain a certificate from the commissioner of revenue that poll taxes for no other back years are assessed against them, may register. Persons who have just become 21 since the poll tax deadline, may pay a year's tax, register and vote and the year's tax is a credit against next year when none will be assessed.

State law requires that a person must have been a resident of Virginia for one year, a resident of the county for six months, and a resident of the precinct for 30 days before he can vote.

## MODEL MEET

Continued from page 1

each first place winner will receive a motor. These have been donated by the Stability and Control Division, East Engineering, Procurement Division, and Administrative Department.

The Hampton Roads Model Company has donated a championship trophy which will go to the contestant scoring the largest total number of points.

The victory banquet will be held at the Hampton Armory at 7:30 p.m. following the contest. Leigh Lewis has made arrangements for a gala celebration. Starr Truscott will act as toastmaster.

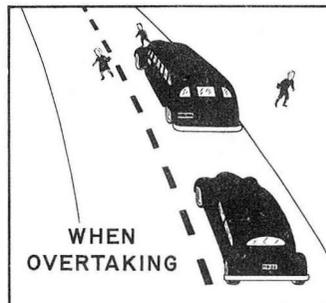
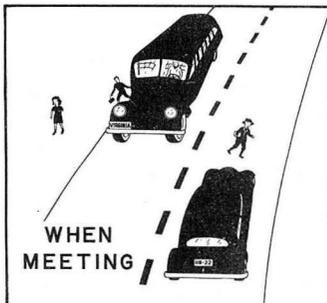
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### GUARD your lips

What you do here  
What you see here  
What you say here  
When you leave here  
Let it stay here

# STOP! WHEN SCHOOL BUSES ARE LOADING OR UNLOADING



## VIRGINIA LAW REQUIRES IT

*"Protect Our Children"*

DEPARTMENT OF STATE POLICE

## SOFTBALL DANCE TICKETS ON SALE

The combined men's and women's softball leagues are sponsoring a dance at the Hampton Armory on Saturday night, September 30, from 10 until 1.

A new Laboratory orchestra, the Modernaires, featuring the vocals of Johnny Maro, will make its initial appearance at the dance. Tickets are \$1.75 and may be purchased from the captains of the softball teams. Proceeds from the dance will be used to buy equipment for the leagues next year.

A program is being planned for intermission, at which time the winners of the leagues will be presented with prizes.

★ ★ ★

It is a great misfortune neither to have enough wit to talk well nor enough judgment to be silent.--La Bruyere

★ ★ ★

**Save Lives—Speed Victory!**

# Life At The Laboratory

**HEIR MAIL:** William Spau, Electrical Office, is the father of a son born Sunday, September 24....Robert C. Spencer, Full Scale Tunnel, is the proud father of a son, Robert C. Spencer, Jr., born September 25....Sam Kelly, PRD, is the father of a daughter, Elizabeth Helen, born September 21.

**PARTIES:** Impact Basin has a party Friday night, September 29 in honor of Phil and Jackie Edge at the home of Melvin E. Hathaway.

**ILL WINDS:** Betty Riggins, Free Flight Tunnel, is recuperating from a recent tonsillectomy.

## BULLETIN BOARDS continued from page 1

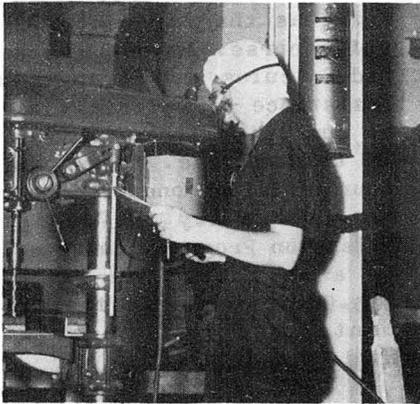
prove more handy to the employees. Suggestions will be collected at regular intervals and all will be given consideration except unsigned

and inappropriate ones. Reports will be made to the persons who make suggestions and all which are adopted will benoted in the Bulletin.

## SICK LEAVE

All sick leave should be reported to the Leave Office by calling 345 on the Laboratory phone, or when calling from an outside-phone, by calling Hampton 6341 and asking for the Leave Office. This office will record the sick leave and notify your section. If the extension number or the office to report leave can not be remembered, tell the telephone operator the purpose of the call, and she will connect you with the right office.

## COMBINATION OF SAFETY AND STYLE



For complete protection of the head, the safety cap properly worn is recommended for all who work on machinery; however, the turban modeled by Stella Habura, who is a lead woman in the West Area Machine Shop, has been found satisfactory for most purposes.

1. A 30 inch square of soft material or a full triangular scarf produces the most desirable effect.

Fold the square to form a triangle and place over the head with base of triangle at

the back of the head and the point of the triangle over the face. Tie with one knot at top of the head.

2 and 3. Drop the ends and gather the point into folds across the forehead; turn the tip under toward the forehead catching all the loose front hair and tuck the sides of the point into the turban.

4 and 5. Pull the knot tighter to secure the sides of the point and tuck the two ends into the top of the turban.

# PERMANENT JOB ORDERS

The following sets of permanent job orders have been approved for LMAL:

## ADMINISTRATIVE DEPARTMENT:

- East Area Cafeteria
  - AAA020 - Purchase of equipment.
  - AAA021 - Maintenance and Alteration.
- West Area Cafeteria
  - AAA025 - Purchase of Equipment.
  - AAA026 - Maintenance and Alteration.

## TECHNICAL SERVICE DEPARTMENT:

### Instrument Research Division

- Instrument Application
  - TBC010 - Instrument Development - Labor and Materials for instrument development of the Instrument Application Section.

### Radio Control and Telemetering

- TBD010 - Instrument Development - Labor and Materials for instrument development of the Radio Control and Tele-

**FOR SALE:** Two pairs of pre-war riding boots, lady's, size 7A, black; man's, size 10½D, brown, like new. Call Margaret Baughan, 298.

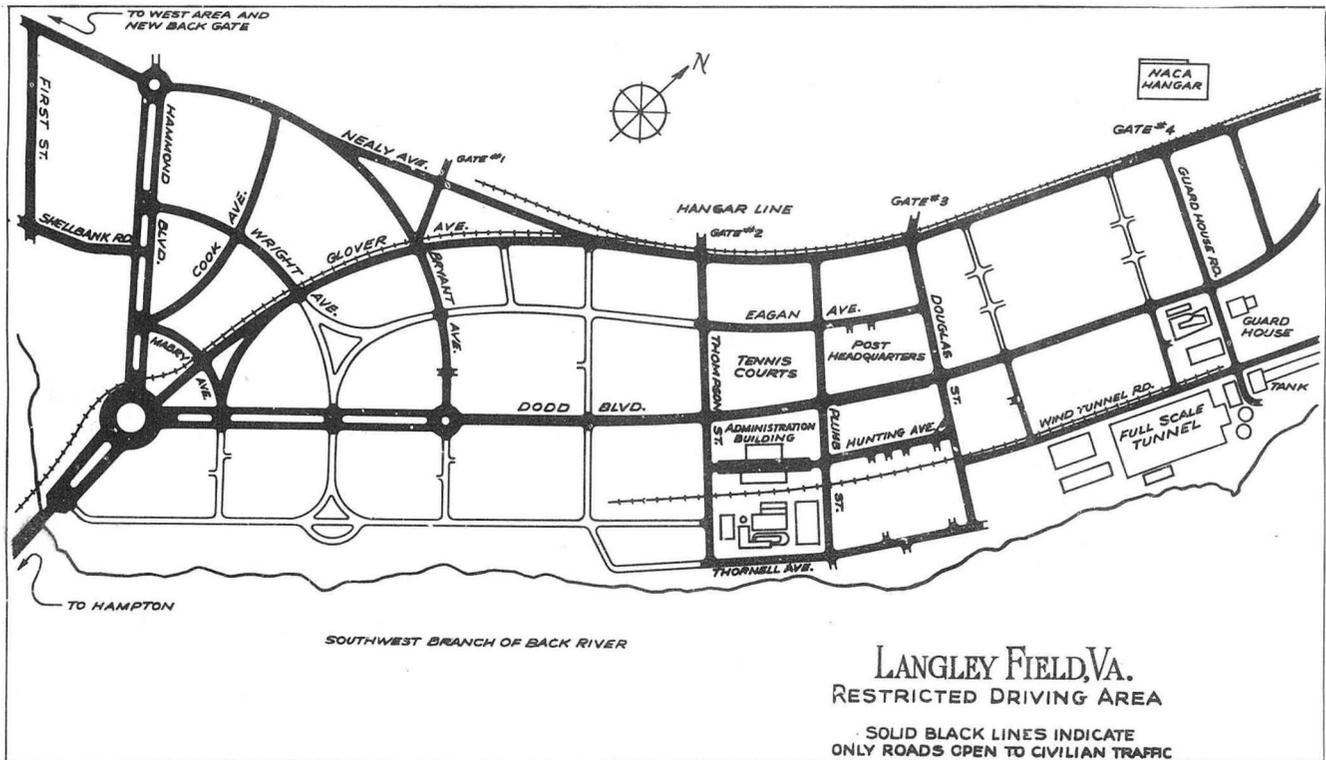
- metering Section.
- RESEARCH DEPARTMENT
  - Aircraft Loads Division
    - Aircraft Loads Computing
      - RCG000 - Operation
      - RCG001 - Equipment
      - RCG002 - Alteration
      - RCG003 - Maintenance and Repair
      - RCG004 - Supplies and Materials
  - Stability Research Division
    - 7- by 10-Foot Wind Tunnels
      - RFG000 - Operation
      - RFG001 - Equipment
      - RFG002 - Alteration
      - RFG003 - Maintenance and Repair
      - RFG004 - Supplies and Materials
  - Physical Research Division
    - Flutter Tunnel
      - RIB000 - Operation
      - RIB001 - Equipment
      - RIB002 - Alteration
      - RIB003 - Maintenance and Repair
      - RIB004 - Supplies and Materials.

**WANTED:** Ride to New York or Philadelphia on or about October 14. Will gladly share expenses. Contact J. J. Lankes, phone 206.

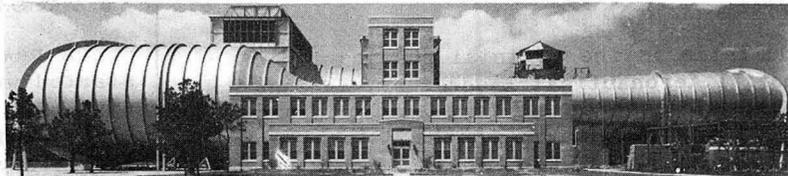
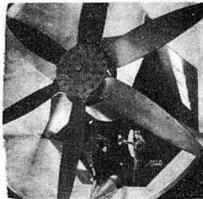
# TRAINING OFFERS NEW FALL COURSE

Increasing interest has been evidenced in a course on the Theory of Elastic Stability which will be offered under the University of Virginia Extension Program. Inasmuch as this course has not been previously announced, it is requested that any persons interested in enrolling in it contact the Training Office, Phone 300.

The first meeting of this course will be held at Hampton High School, Tuesday, October 3, from 7:00 to 9:00 p.m. John Houbolt, of the Structures Research Division, will serve as the instructor for this course. Anyone who has had Calculus and Strength or Resistance of Materials will be qualified to participate in this course. Since this course will be conducted under the University of Virginia Extension Program, there will be a registration fee of \$15.00, payable in installments, and college credit will be awarded.



# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 42, Vol. 3

Langley Field, Virginia, October 7-13, 1944

Page 1

### TRAINING OFFERS THREE COURSES

#### *RUSSIAN*

Since some members of the staff have indicated a desire to study Russian, a course in Technical Russian may be offered through the University of Virginia Extension Program. Such a course would probably be taught by Mr. Boris Rosenfeld of Construction Drafting. No prerequisites are necessary for the course.

Employees interested in enrolling in this course may register at the Training Division. The operation of this course will be dependent upon the registration and final approval of the University of Virginia. If conducted, this course will offer college credit and the regular \$15.00 fee will be charged. For additional information, call the Training Division, phone 300.

#### *MUSIC APPRECIATION*

A Music Appreciation course is being offered through the University of Virginia Extension program. Classes will be held at the Hampton High School from 7:00 p.m. to 9:00 p.m. one night per week, either on Monday or Wednesday depending upon the desire of the group.

This course will be taught by the Warwick County instructor of music, and may be taken either for college credit, at a fee of \$12.00, or for culture only, at a

(Continued on page 3)

### PERSONAL USE OF OFFICIAL DATA

The Laboratory was advised last week by Edward Klauber, Acting Director of the Office of War Information, of the principles relative to the problem of personal use of official data, as stated by the Security Advisory Board.

All information received or compiled by the officers, employees and offices of the Federal Government for the use of the Government is official government data and is the property of the United States. "Official government data" as used in this memorandum includes but is not limited to material classified as "RESTRICTED," "CONFIDENTIAL," "SECRET," and "TOP SECRET" and any other information concerning the national defense. No Federal officer or employee, by virtue of his position, has any property right to this type of information even though he may have helped compile it.

Official government data is intended solely for the performance of official business of the Government. Copying or removal of CLASSIFIED or other official data or documents from the files of the Government or removal of such material or of files from their accustomed places in governmental offices for official purposes shall be done only with the specific approval of the Head of the agency or his specifically designated representative.

Continued on page 6

### SLADEK WINS CHAMPIONSHIP

Dick Sladek, Dynamic Model Shop, won the championship trophy at the All American Brainbusters model championships held last Sunday. Sladek, along with the other winners, was presented his award at the Victory banquet held at the Hampton Armory following the meet.

Starr Truscott, Chief of Hydrodynamics, acted as master of ceremonies at the banquet, and Mel Gough, Chief of Flight Research, was the principal speaker. Gough addressed the group as one test pilot talking to a group of other test pilots. He told the group that in the assembled model-makers, he saw the future engineers, designers, test pilots, and mechanics of aviation.

Frank Parmenter, president of the Brainbusters, expressed his appreciation to all those who helped make the meet a success. He said that he was highly pleased with the cooperation of everyone, from those who donated trophies to those who just came out to watch.

#### *DEADLINE EXTENDED FOR CARTOON CONTEST*

The deadline for entries in the Bulletin cartoon contest has been extended to October 14. Several persons have sent in cartoons and it is hoped that by extending the time limit, more persons will have time to submit entries.



The LMAL Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor . . . . . Tiny Hutton  
 Managing Editor. . . . Ruth Angel  
 Sports . . . . . Si Diskin, Nancy Shelton  
 Reporters. . . . . LMAL Employees

## PROCEDURE FOR PERSONAL LOAN

A new procedure has been started which provides a more accurate check on property borrowed from sections of the Laboratory. A loan slip (form L.F. 72) is made out in triplicate and copies kept by the person borrowing, section borrowing, section borrowed from, and the Property Office.

This will enable the Laboratory to keep accurate current records and any employee will be able to determine at any time whatever property he is charged with. These records will be particularly valuable when an employee leaves the Laboratory for they will expedite the clearing of his record.

Each employee who has reason to borrow property at any time should make certain that his signed loan slip is returned to him when he returns the property.

### UNIFORMS FOR WOMEN ON SALE AT CAFETERIA

All women workers in shops and tunnels, who would like to get good looking, serviceable work clothes, should see the dark blue denim "jeep" suits on sale at the East Area Cafeteria.

The suits are two pieced and have short sleeves. They are available in sizes from 14 to 44. The price is \$4.

Any women desiring to see the suits may try them on at the East Area Dispensary.

## SEMI-ANNUAL EFFICIENCY RATING DUE

Civil Service regulations grade promotions or demotions provide for an official efficiency rating each year covering a rating period from April 1 through March 31 of the following year. These efficiency ratings are evaluations of work performance which indicate how effectively employees are performing their assigned duties and discharging the responsibilities delegated to them. The efficiency rating serves as a guide in effecting promotions, demotions, transfers and discharges. It also serves as an aid in the development and training of individual employees since in rating efficiencies, the employee's work performance must be analyzed by the supervisor thereby providing information as to training and development needs of the employee.

In addition to the Civil Service official annual efficiency rating, the Laboratory has provided for an interim efficiency rating to cover the six-months' period from April 1 through September 30 of each year. This interim rating is not however reported to the Civil Service Commission and is not recognized in connection with administration of within-

as provided by the Meade Ram- spect Act of October 1, 1941.

For the interim efficiency rating this year, the Laboratory is using an experimental efficiency rating form which has been developed at the Laboratory. The objective of the experimental form is to secure greater uniformity in ratings by rating and reviewing officials and to provide a more accurate rating of the individual employee's overall performance. During the latter part of September the supervisory conference groups met and discussed efficiency ratings and tested the revised efficiency rating form. Generally the rating and reviewing officials have expressed a preference for the new efficiency rating form over rating forms used in the past. The ratings provided by this experimental form will not be reported to the employees as is the case with the annual efficiency ratings. They will, however, be studied in order to determine whether or not the new form is a real improvement over the standard form, in which case the Laboratory will seek permission to adapt the form for official use.

LOST: A round gold brooch of sentimental value. Reward. Return to Margaret Bame, Budget, phone 294.

WANTED: Ride for two to New York or Washington on or about October 20. Contact L. Gavurin, PRD, phone 332.



## SPOONER, MARTINA PAGE 19-FOOT WIN

The softball finals finally came to a close last Friday when the 19-Foot Tunnel downed Structures, 1-0, to take the series, three games to one.

Stan Spooner, lanky first baseman, came through with a mighty homerun smash, deep in center field, in the fourth inning. The winners got two other hits off Si Diskin, but scored no more.

Al Martina was in top form for 19-Foot. He allowed two hits.

Pat Cancro, at shortstop, and Bill Koven, in short field, were the highlights of the winners' defense. Chet Furlong made the most sensational catch of the afternoon when he back-pedaled all over right field to take George Zender's hard smash in the seventh inning.

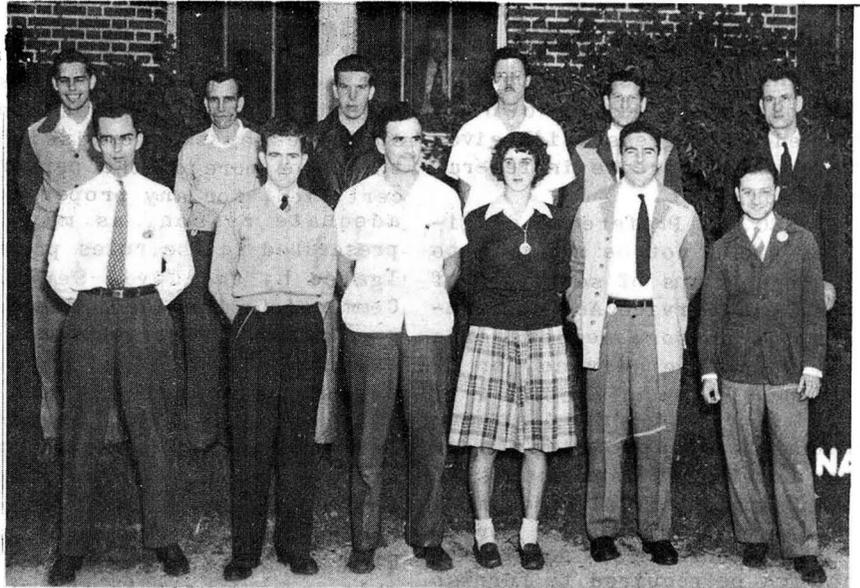
## COURSE

Continued from page 1  
cost of \$7.00.

### BUSINESS COURSES

Hampton High School in cooperation with the Virginia State Department of Trade and Industrial Education has announced courses in Typing, Shorthand, and Business English. Interested applicants may register in Room 105 at Hampton High School on Monday, October 9, at 7:00 p.m. Classes will probably be held on Monday and Wednesday between the hours of 7:00 p.m. and 9:30 p.m. The level of training will be based on data obtained from the registration and classes will be established in as many levels as registration permits.

A fee of \$5.00 must be paid at the time of registration, and upon satisfactory completion of the course and with an attendance record of at least 80 percent, a certificate will be issued and \$2.00 of the fee will be refunded. Additional information may be obtained by calling the Training Division.



The members of the 19-Foot Tunnel team that ended the Structures reign over the men's softball league are: front row left to right, Owen Deters, catcher; Chet Furlong, outfield and third base; Captain Pat Cancro, shortstop; Kit Carson, scorekeeper; Bill Koven, short field; and Jerry Teplitz, second base; back row, Al Martina, pitcher; Walter Doneson, third base; Ray Salmi, outfield; Stan Spooner, first base; Sid Alexander, outfield; and Bob Neeby, outfield. Absent when the picture was taken were Bud Mulac, Bill Conner, and Jerry Kayten.

## FLIGHT, STRUCTURES, 8-FOOT ARE LEADING LEAGUE; AWT, PRD WIN

Structures, 19; Stability, 0  
Flight, 12; 16-Foot, 0  
8-Foot, 18; IRD, 0  
PRD, 7; Engineering, 0  
AWT, 12; West Shops, 7  
Loads, 19; PRT, 19

Structures, Flight, and 8-Foot stretched their victories to two, and AWT opened their season with a win over Shops to pace the second week's games. PRD provided the real upset of the week by taking the long end of a 7-0 count over the last season champions, Engineering.

A pass from Boughan to Ochiltree drew first blood for Structures in the third quarter. Another pass, this time from Dobrowski to Houbolt, provided the second touchdown late in the same period. The final score was made on a pass, this one from Boughan to Dobrowski. Kruszewski took Boughan's pass for the extra point.

The throwing arm of Fred Daum accounted for both of the touchdowns that Flight scored

against 16-Foot. In the second quarter, Thompson took a pass from Daum on the forty and ran the remaining distance to the goal line. The other score was made in the third period when Daum pitched one to Forsythe in the end zone.

The passing combination of Luoma to Vincke accounted for two of 8-Foot's three touchdowns against IRD. On the opening play of the game, the combination clicked on a "sleeper" that was good for 80 yards and a touchdown. Midway in the third quarter, the same pair tallied on a 60 yard play. Donaldson caught another of Luoma's passes for the final tally.

Physical Research took a 7-0 lead late in the first period when Oborny took a pass from McNulty in the end zone. Oborny placekicked the point after touchdown. They managed to hold Engineering scoreless throughout the game.

Continued on page 6

# Starnes Act Protects Veterans

This is the second part of the Starnes Act recently passed by Congress which gives veterans preference in federal employment.

SEC. 6. Preference eligibles shall not be subject to the provisions of section 9 of the Civil Service Act concerning two or more members of a family in the service, or to the provisions of section 2 of that Act concerning apportionment of appointments in the Government departments in the District of Columbia among the several States and Territories according to population, but may be required to furnish evidence of residence and domicile.

SEC. 7. The names of preference eligibles shall be entered on the appropriate registers or lists of eligibles in accordance with their respective augmented ratings, and the name of a preference eligible shall be entered ahead of all others having the same rating: Provided, That except for positions in the professional and scientific services for which the entrance salary is over \$3,000 per annum, the names of all qualified preference eligibles, entitled to ten points in addition to their earned ratings shall be placed at the top of the appropriate Civil-Service register or employment list, in accordance with their respective augmented ratings.

SEC. 8. When, in accordance with civil-service laws and rules, a nominating or appointing officer shall request certification of eligibles for appointment purposes, the Civil Service Commission shall certify, from the top of the appropriate register of eligibles, a number of names sufficient to permit the nominating or appointing officer to consider at least three names in connection with each vacancy. The nominating or appointing officer shall make selection for each vacancy from not more than the highest three names available for appointment on

such certification, unless objection shall be made, and sustained by the Commission, to one or more of the persons certified, for any proper and adequate reason, as may be prescribed in the rules promulgated by the Civil Service Commission: Provided, That an appointing officer who passes over a veteran eligible and selects a nonveteran shall file with the Civil Service Commission his reasons in writing for so doing, which shall become a part of the record of such veteran eligible, and shall be made available upon request to the veteran or his designated representative; the Civil Service Commission is directed to determine the sufficiency of such submitted reasons and, if found insufficient, shall require such appointing officer to submit more detailed information in support thereof; the Civil Service Commission as to the sufficiency or insufficiency of such reasons shall be transmitted to and considered by such appointing officer, and a copy thereof shall be sent to the veteran eligible or to his designated representative upon request therefor: Provided, further, That if, upon certification, reasons deemed sufficient by the Civil Service Commission for passing over his name shall three times have been given by an appointing officer, certification of his name for appointment may thereafter be discontinued, prior notice of which shall be sent to the veteran eligible. Whenever in the Postal Service two or more substitutes are appointed on the same day, they shall be promoted to the regular force in the order in which their names appeared on the civil-service register from which they were originally appointed, whenever there are substitutes of the required sex who are eligible and will accept, unless such vacancies are filled by transfer or reinstatement.

# STAFF CAN SEE FILMS

Through the cooperation of the Air Technical Service Command - NACA Liaison Office many excellent training films are made available for use at the Laboratory, and in most cases have been shown in the shops of the Laboratory during lunch periods. In addition to these films, however, the Army has made available certain other films of a series known as "Why We Fight." These films such as "The Battle of Russia," "Divide and Conquer," etc., run from an hour to one hour and twenty minutes and when viewed by certain members of the staff at meetings after hours have received such enthusiastic acclaim that it has been decided to arrange for special showings after hours of work for any group of employees who indicate an interest in seeing them. Many of the scenes used in these pictures were filmed during actual combat and are presented in a clear and forceful manner. According to information received from the Training Office, these films may be shown in the Projection Room after hours of work for any group of Laboratory employees.

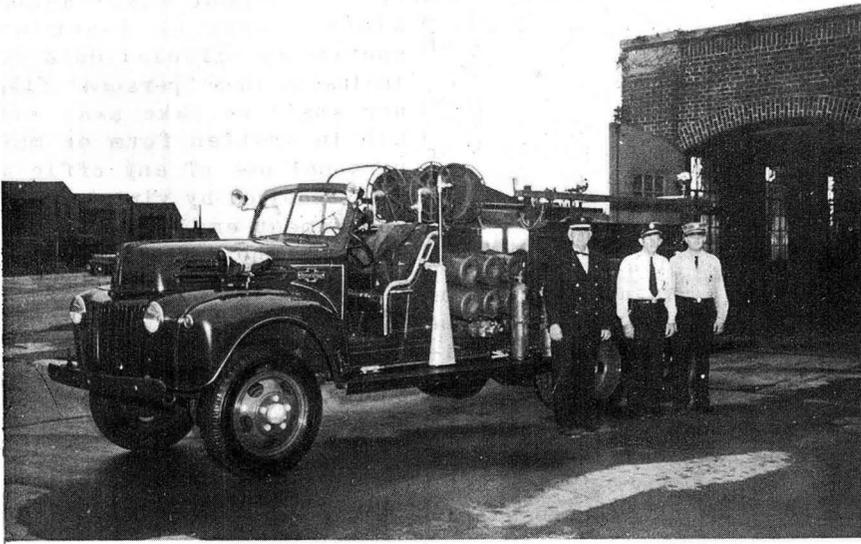
Persons interested in viewing these films are requested to make their desires known to their supervisor in order that he may contact the Training Division, Phone 300, and arrange for their inclusion at a special showing.

★ ★ ★

SEC. 9. In the unclassified Federal, and District of Columbia, civil service, and in all other positions and employment hereinbefore referred to in (c) of section 2 hereof, the nominating or appointing officer or employing official shall make selection from the qualified applicants in accordance with the provisions of this Act.

WANTED: Pair of ladies' white boots with heels, Will pay good price.

# OCTOBER 8-14 IS FIRE PREVENTION WEEK



Pictured by the NACA crash truck are Chief Charles J. Saterfield and NACA firemen David M. Beales and Harry Selby.

## Life At The Laboratory

**ROMANCES:** Robert McKann, Tank, and Betty Ann Hewitt, Park City, Utah, were married Saturday, September 30, in Williamsburg. The bride was given in marriage by Henry Suydam, Tank.. Texie Belle Felts, Full Scale Tunnel, is sporting something new on her third finger left hand. She is engaged to Jules Miller, Office of Chief of Research....Connie Hobbs, 19-Foot Pressure Tunnel, is engaged to Lt. Charles Hutchens, now with the Army in England....Howard Johnsen, Flight Research, was married Thursday, September 28, to Mary Catherine Grantham.... Harriet Eisenberg and Seymour Bagdanoff, both of FGDA, tied the final knot on Sunday, October 1....Margaret Farmer surprised the AWT personnel last Wednesday when she walked in with a new diamond. She is engaged to Reese Ivey, Physical Research.

**FROM THE WAR FRONT:** Elizabeth Scott, Office of Chief of Administrative Department, had the surprise of her life Tuesday, October 3, when her husband, Sergeant Edward Scott, came home after thirty-two months in New Guinea....Loualice Georges, Stability Tunnel, got a thrill last week when she heard her fiance, Lt. Jim Crain, on a broadcast from Australia.

**HEIR MAIL:** Harvey Forest, East Model, is the father of a daughter, Linda Lou, born September 23.

### HAMPTON INSTITUTE ANNOUNCES LECTURES.

Hampton Institute announces the following lectures: October 13, J. S. Plant, author of "Personality and the Culture Pattern;" December 15, W. E. B. DuBois, dean of American Negro Scholars; January 12, M. F. A. Montagu, anthropologist; February 2, Lilla B. Pitts, authority on music education; March 15,

Ralph Bates, lecturer on cultural and political movements in Europe; April 13, G. S. Counts, professor of education, Columbia University.

Lectures will be delivered in Ogden Hall at 8:15 p.m. Season tickets are \$1.50 each and may be obtained through Comptroller's Office. Hampton Institute.

The Executive Safety Committee is following the example set by the President and the 48 governors in proclaiming October 8-14 as fire prevention week. At this time, an extensive nationwide educational effort will be made to secure public interest and cooperation in reducing the loss of life and destruction of property by fire.

Here at the Laboratory, a general clean-up program in all sections will highlight the week's activities. It is recognized that three elements must be present before we can have a fire: burnable material, heat to supply ignition, and oxygen for the support of the flame. Now is the time for everyone to make certain that these three do not come together at any place at any time.

Each Section Head, assisted by his Safety Coordinator, is requested to make a detailed survey of the premises for which he is responsible for the purpose of eliminating all fire breeding accumulation of rubbish and unusable material.

Now is the time to clean out that loose paper under and behind the file cabinets; move those crates away from the hose rack; take that ladder from in front of the fire extinguisher; throw out the portable extension cord with the green cotton insulation; and insist on shades and protecting shields on all of your dropcords.

Charles J. Satterfield of the Fire Protection Service, telephone 277, will complete arrangements for handling all such accumulations and will otherwise assist in the program.



# FEDERAL POSITION CLASSIFICATION

This is the first of two articles dealing with Federal Position Classification and wage administration and how our salaries are determined.

Prior to the enactment of the Classification Act of 1923, there were no approved official standards by which Federal officials could determine uniform and equitable pay scales for employees in the civil service. Salary rates were left to the discretion of the heads of the various agencies. Because of the varying standards of agencies, the need for uniform control was obvious to the Congressional Joint Committee on Reclassification of Salaries which recommended the enactment of the law in 1923. This act has had six amendments, three of which have raised the pay rates. All jobs in the U.S. Civil Service are covered by this law unless expressly excluded thereby.

The Classification Act made mandatory the use of an inflexible compensation schedule and the determination of salary levels on the basis of the duties and responsibilities involved in individual positions. Thus, salaries are based on specific work assignments and the minimum qualifications that such assignments require for the satisfactory performance thereof. If an employee has education or experience or has exhibited abilities, skills, and aptitudes beyond the demands of his present assignment, such quali-

fications can have no bearing upon his present salary. However, they may indicate the employee's capacity to perform duties and responsibilities of a higher caliber. It may further indicate that he is in line for consideration for assignment to a more responsible or more complex job or one of broader scope. Such an assignment would justify a salary commensurate with the employee's abilities. An adjustment of this nature depends upon the organizational needs and limitations.

The act further provided that positions subject thereto shall be categorized into four services, namely: P, CAF, SP, and CU - now CPC (Professional and Scientific; Clerical, Administrative, and Fiscal. Sub-Professional; and Crafts, Protective, and Custodial). These services were further subdivided into occupational groups and these in turn into a series of classes. A class constitutes a specific grade level and the Classification Act gave general standards which define these grade levels. These standards were based on facts obtained from surveys of positions in all branches of the Federal Government.

The purpose of the Classification Program is to establish and maintain uniform and equitable salary administration throughout the entire Federal Service.

The next article will deal with Salary Determination at LMAL.

# SECURITY

Continued from page 1

No person connected with the Government shall accumulate copies of documents containing official data for inclusion in a "personal file" nor shall he take away with him in written form or make personal use of any official data acquired by virtue of his government employment. An employee who may believe that a legitimate exception can be entitled to appeal to the Head of the agency or his representative for such an exception.

Several sections of the U. S. Criminal Code prohibit the improper use of official files, documents and records by government employees. Every Federal official or employee should consider carefully the spirit of the law in the event of any question as to his personal use of information from governmental files.

# FOOTBALL

Continued from page

John Knemeyer clicked with two touchdown passes to assist in the AWT win over West Shops. The first toss was good for 25 yards to Bates in the end zone. Shops then came back with a touchdown pass from Muhly to Little which was almost broken up by Polhamus of AWT. Muhly passed to Butler for the point and Shops led at the half, 7-6. AWT scored the winning touchdown on a pass from Knemeyer to Scriven in the final period.

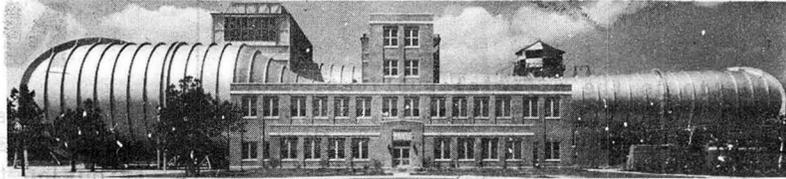
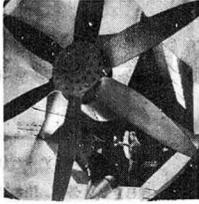
The PRT-Loads game was perhaps the most exciting of the afternoon. The lead changed hands several times and Nichols and MacLaughlin of PRT provided a real Frank Merriwell finish with a touchdown pass with one second left to play.

LOST: Red Forster 29 gas model in vicinity of Queen St. and LaSalle Ave. Rewaed. If found, contact Reid Hull, East Engineering.

VIETATO FUMARE ITALY	喫煙 JAPANESE	ধূম পানানস্বৈৰ BENGAL
NEVALE RUKYT LITHUANIAN	煙 CHINESE	ՄԻ ՕՒԷՐ ARMENIAN
TILOS A DOHANYZAS HUNGARIAN	禁 CHINESE	منوع التدخين ARABIC
Rauchen Verboten GERMAN	禁 JAPANESE	تفان يا محمد فصره ممنوع TURKISH
KADITI PREPOVEDANO SLOVENIAN	禁 JAPANESE	ביטע נים צו רויכעדן HEBREW
Es Prohibido Fumar SPANISH	禁 JAPANESE	RÖKNING FÖRBJUDES SWEDISH
Воспрещается КУПИТЬ RUSSIAN	禁 JAPANESE	RÖGNING FORBUDT NORWEGIAN DANISH
DEFENSE de FUMER FRENCH	禁 JAPANESE	É Prohibido Fumar PORTUGUESE
ΑΠΑΓΟΡΕΥΕΤΑΙ ΤΟ ΚΑΠΝΙΣΜΑ GREEK	禁 JAPANESE	Duhani Esht i Ndaluar ALBANIAN

IN OTHER WORDS  
**NO SMOKING**

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 43, Vol. 3

Langley Field, Virginia, October 14-20, 1944

Page 1

### REID SPEAKS TO GREEN COW DANCE STAFF ASKED TO SCHOOL GROUP FRIDAY, OCT. 27 PARK PROPERLY

In two specially arranged general assembly meetings at the Hampton High School, H. J. E. Reid spoke to a total of approximately 550 Laboratory employees who have registered in ESMWT and Apprentice related study War Training courses.

He stressed the importance of these courses and the Laboratory management's interest in the progress made by the students, stating that there never has been a period in the history of the Laboratory where higher engineering and mechanical skills could not be utilized. He stated that it was natural that those employees who have best equipped themselves for more advanced and responsible work will receive the greatest consideration in work assignments.

He explained that while many of the courses pursued at colleges and universities may be eventually applicable to the actual work of only a small percent of the class, that the classes which they are now attending will be directly applicable to their everyday work assignments. Each course outline has been carefully prepared by competent experienced engineers and designed to meet the specific need of the students who have been accepted for them. Considerable expense and effort have been expended by the Laboratory, the Federal

The Green Cow will celebrate the arrival of the fall dancing season and pay tribute to their last chairman, Bill Craig, now in the Army, with a dance at the Hampton Armory on Friday, October 27.

Red Overton and his orchestra will furnish the music for the "terpsichorean tussle" which will be held between the hours of nine and twelve.

As usual, admission to the dance will be to members of the Noble Order and their dates. Any employees who have not yet become affiliated may do so by contacting Charlie Kelly, Full-Scale; Sid Batterson, Impact Basin; or Tiny Hutton, Bulletin. The yearly membership fee is \$3.50.

Government, and the various educational institutions in making these courses available. In many cases the instructors have been strongly urged to teach in spite of the heavy work load which has been imposed upon them since they were also best qualified to instruct. It is, therefore, every student's responsibility to take full advantage of the opportunity afforded him and to apply the knowledge so obtained in the vital war work in which he is engaged. The benefits will be two-fold, since in addition to speeding up the successful conclusion of the war, he will also be

It has been necessary to restrict the parking of automobiles in certain places about the Laboratory. Among the reasons behind this are the state and federal fire and safety laws, the necessity of having parking space always available for certain activities, and the bettering of the appearance of the buildings and grounds.

Employees have been violating the parking regulations and it has become necessary to issue traffic violation tickets to those automobile owners who have not complied.

Employees in the Administrative Area who work on the 7 o'clock shift are requested to park on Dodd Boulevard and not in the spaces between the Administrative and Service Buildings, which are reserved for the 8:15 shift. Employees working on these shifts are asked to comply with this regulation so that Dodd Boulevard may be cleared before 4:45 in order to avoid traffic jams and confusion.

Laboratory officials have expressed a desire that all of the parking regulations be complied with to the fullest extent so that enforcement will not be necessary.

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NEW PHONE NUMBER: 7 by 10 Foot Tunnel. Located near Yorktown Road, West Area. Telephone number 350.

(Continued on page 4)



The LMAL Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor . . . . . Tiny Hutton  
 Managing Editor. . . . . Ruth Angel  
 Sports . . . . . Si Diskin, Nancy Shelton  
 Reporters. . . . . LMAL Employees

\* \* \*

## Starnes Act Protects Veterans

This is the third part of the Starnes Act recently passed by Congress which gives veterans preference in federal employment.

SECT. 10. The Civil Service Commission is authorized and directed to hold an examination, during the next succeeding quarterly period, for any position to which any appointment has been made within the preceding three years, for any person included under section (1), (2), and (3) of this Act upon application for examination for any such position.

Sec. 11. The Civil Service Commission is hereby authorized to promulgate appropriate rules and regulations for the administration and enforcement of the provisions of this Act.

Sec. 12. In any reduction in personnel in any civilian service of any Federal agency, competing employees shall be released in accordance with Civil Service Commission regulations which shall give due effect to tenure of employment, military preference, length of service, and efficiency ratings: *Provided*, That the length

of time spent in active service in the armed forces of the United States of each such employee shall be credited in computing length of total service: *Provided further*, That preference employees whose efficiency ratings are "good" or better shall be retained in preference to all other competing employees and that preference employees whose efficiency ratings are below "good" shall be retained in preference to competing non-preference employees who have equal or lower efficiency ratings: *And provided further*, That when any or all of the functions of any agency are transferred to, or when any agency is replaced by, some other agency, or agencies, all preference employees in the function or functions transferred or in the agency which is replaced by some other agency shall first be transferred to the replacement agency, or agencies, for employment in positions for which they are qualified, before such agency, or agencies, shall appoint additional employees from any other source for such positions.

# Service Notes...

Our thanks to Frank Allen and T. E. Ezell for their contribution to the service men's postage kitty.

Corporal Edward Madeo, with the Fifth Air Force in the Southwest Pacific, has been assigned to duty as radio operator-gunner on a B-25 with the "Air Apaches", which is a veteran unit of the Fifth Air Force, and specialists in low level bombing strafing attacks.

First Lt. James R. Hanson, who formerly worked as draftsman in the Instrument Research Laboratory, visited the Lab last week. Lt. Hanson is home after 69 missions over Europe. Since leaving the Laboratory, he has logged 1400 hours in air. The picture that Lt. Hanson exhibited of his English fiancée indicated that he didn't spend all of his time flying.

Pvt. W. T. Dutton, who is studying radio at Truax Field, Wisconsin, writes, "I spent July and August in Texas where it was 130. Now I am going to spend the winter up here where it goes down to thirty below... The most beautiful part about this place is the fact that we get up at 3 a.m. to go to school and to make things a little more home like, you have to go to bed by seven p.m." Dutton's address is: Sec. N 3508 AAF Base Unit, Bks. 2138, Truax Field, Madison 7, Wisconsin.

\* \* \*

### DO YOU HAVE A FIRST AID CERTIFICATE?

The Dispensary is interested in finding out how many employees of the Laboratory hold first aid certificates. Any employees who have either standard, advanced, or instructor's certificates are asked to call the Dispensary and give their name and the date of the certificate.

**Save Lives—Speed Victory!**



# SPORTS



## FOOTBALL STATISTICS

### PHYSICAL RESEARCH BEATS FLIGHT; AWT AND STRUCTURES UNDEFEATED; PRT, TANK, STABILITY TAKE WINS

PRD, 21; Flight, 0  
 Tank, 8; Engineering, 0  
 PRT, 19; Shops, 0  
 Structures, 7; IRD, 0  
 AWT, 6; 16-Foot, 0  
 Stability, 18; 8'-LTS

Physical Research turned into the surprise team of the league by handing out a sound 21-0 trouncing to Flight. Capitalizing on Flight's miscues early in the opening period, PRD scored two quick touchdowns. The first was scored on a pass from McNulty to Oborny and the second on Fitch's 20-yard runback of an intercepted pass. Oborny place-kicked both points. The final score came on a long pass from McNulty to Trenkle. Jaquis added the point.

IRD turned in a fine performance in holding Structures to a 7-0 triumph. Both teams seemed to lack scoring punch. The Structures touchdown was made late in the second period after Ochiltree intercepted an IRD pass. A pass from Boughan to Anderson was good for the score and Anderson dropkicked the extra point.

Stability upset 8'-LTS for another surprise. Stability got off to a quick start with a 30 yard pass from Everett to Ankenbruck. 8-Foot tied up the game in the second period when Luoma tossed one to Braslow in the end zone. The score remained tied until midway in the last quarter when a 40 yard pass from Everett to Paulson put Stability ahead. A few minutes later Everett passed to Campbell for another touchdown. The final 8-Foot score came on a pass from Luoma to Vincke.

PRT's power proved too much for Shops. The winners tallied at the end of the first period one pass from Wcislo to Nichols, and were never headed. The second touchdown was made in the third quarter after a sustained running attack had netted 60 yards. A pass from Emmons to Boyet scored the touchdown. Boyet intercepted a pass and ran the remaining distance to the Shop goal line for the final PRT score in the fourth quarter. MacLaughlin converted from placement.

AWT and 16-Foot played a hard game that saw AWT come out on top, 6-0. The score was made in the second period after a 35 yard pass from Knemeyer to Polhamus placed the ball on the five yard line. Rossi went through left guard for the touchdown. A 16-Foot drive was halted on the AWT 15 yard line as the half ended.

Tank became the second team in as many weeks to down Engineering, last year's champions. Tank scored in the first period on a pass from Havens to Damratowski in the end zone. The final two points were added in the second period when the entire Tank line surged through to block a punt near the goal line. The ball was covered in the end zone by Schumacher of Engineering.

The games for Sunday are as follows: at Hampton, Flight vs. Stability at 1, and Engineering vs. 16-Foot at 3; at Armstrong, Shops vs. Tank at 1, and Loads vs. IRD at 3; at Wythe, PRT vs. PRD at 1; and AWT vs. 8'-LTS at 3.

Cletus Vincke, 8'-LTS end, is the leading scorer in the touch football league. He has scored 30 points in three games. He also leads the pass receivers with five catches for touchdowns.

Arvo Luoma, Vincke's teammate, is leading the passers with seven touchdown heaves.

8'-LTS holds first place in team scoring with 44 points. 16-Foot is on the bottom with zero. Structures has maintained the best defense by holding all their opponents scoreless. The opponents of both West Shops and 16-Foot have tallied 37 points.

Les Oborny, PRD end, is leading in extra point kicking with three.

The largest score to date is PRD's 21-0 win over Flight.

#### MEETING OF FOOTBALL CAPTAINS

TUESDAY NIGHT, OCTOBER 17

There will be a meeting of all captains of the football teams at the Hampton Industrial USO on Tuesday, October 17, at 8 o'clock. It is important that each team be represented.

FOUND: A bright red canoe, possibly lost during the hurricane last month. Owner may have same by identifying. Contact Robert Sinclair, East Model Shop.

WANTED: Ride to Bristol or Knoxville, Tenn., sometime in October. Contact Mary Hill, Tank.

BUY WAR SAVINGS BONDS AND STAMPS



## Life At The Laboratory

**ROMANCES:** Sarah Whitley, AWT, tied the final knot Saturday, October 7, when she married Tommy Hill, U. S. Navy, at her home in Murfreesboro, N. C....The inmates of 121 O'canoe Place, celebrated the engagement of Ralph Moscaten, West Machine Shop, with a party Saturday night, October 7. Ralph is engaged to Emily Tutka, West Machine Shop....Bob Souter, FRD, was married Saturday, October 7, to Marjorie Shorney of Alameda, California.

**HEIR MAIL:** Hack Wilson, head of Full Scale Tunnel, was passing out cigars in a big way this week. He is the PROUD father of a daughter, Louisa Pitcher, born Sunday, October 8.

**ILL WINDS:** Al Marino, PRT, is back at work after recovering from his encounter with an automobile last Friday, October 6. Al suffered a head injury, the car abroken windshield.

**PARTIES:** Flight Research is planning a big picnic at Oak Point Lodge this afternoon and PRT is planning to take up where they left off on Sunday, October 15. As yet, it is undecided as to whether PRT will be celebrating a football victory or trying to forget a defeat....The computers of 16-Foot Tunnel recently gave Blake Corson a surprise birthday party at his South Hampton apartment. Blake now refers to the Computing Section as HIS harem.

**VISITOR:** Captain W. A. Lein, Wright Field, is visiting the Laboratory in connection with work in the Loads Division.

**WEDDING BELLS:** Julia Henderson, formerly of Files, and Captain Don Eastman, Liaison Office, will be married today at the Langley Field Chapel.

## STANDINGS IN FOOTBALL LEAGUE

Standings:

Team	Won	Lost	Tied	Pctg.	Points For	Points Against
Structures	3	0	0	1.000	40	0
AWT	2	0	0	1.000	18	7
PRD	2	0	1	.833	34	6
Flight	2	1	0	.667	33	27
8'-LTS	2	1	0	.667	44	25
Stability	1	1	1	.500	24	32
PRT	1	1	1	.500	38	32
Tank	1	1	0	.500	14	21
Engineering	1	2	0	.333	13	15
Loads	0	1	1	.250	26	33
West Shops	0	2	1	.167	13	37
IRD	0	2	1	.167	6	31
16-Foot	0	3	0	.000	0	37

## REID SPEAKS

Continued from page 1

placing himself in a position for personal advancement.

Reid emphasized regular attendance since the courses have been designed for maximum coverage in the shortest possible time. He urged that any student who had registered for any of the courses without sincere intentions of sticking it out and successfully completing the course to drop out now rather than later in order that the

time of the teacher and the other students may be better utilized. In this connection he pointed out that there were probably only a few in this category.

In conclusion, he congratulated the group on the interest which they had demonstrated and said that he was pleased to see so many old timers who still felt that there was something yet to be learned.

## USO PLANS DANCE FOR OCTOBER 24

Plans for an informal Halloween dance to be given Tuesday evening, October 24, under the auspices of the Hampton Industrial USO have been completed. This is the second in a series of dances to be held monthly at the Academy Street USO through co-operative planning with the Committee and staff serving the military club. Dancing will be from 8:30 'til 11:30 p.m., and music will be furnished by Red Overton. The dance will not be a costume affair.

Service men and women are invited to be guests. Admission to civilians will be by ticket only. The tickets may be secured at the Hampton Industrial USO or through any member of the Dance Committee which includes: Leigh Lewis, Apprentice Administration; Harry Silver, E. Engineering; Ray Rosen, E. Engineering; Phyllis Gabrio, Office of Counselor to Women; Bob Stewart, Dynamic Model; Billy Poythress, West Machine; Jerry Hammack, FRD; Harry Shoaf, W. Engineering; Kenneth Harper, Classification; Adelin Hammack, Reception; Sally Mason, E. Engineering; Wanda Carpin, Duplicating; and Kitty Ragland, Dynamic Model.

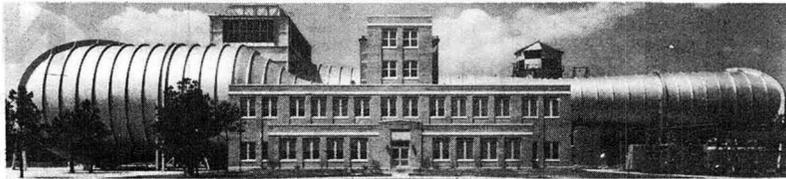
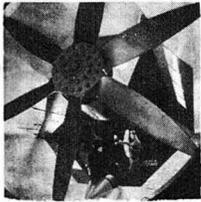
In order to cover the cost of the orchestra and other expenses, guest tickets will be 75 cents. Positively no tickets can be secured at the Academy Street Club but must be purchased from a committee member or the Industrial USO.

FOR SALE: Book. "Technical Aerodynamics" by Wood. Call Virginia Bangsberg,

FOR SALE: Photo-enlarger. Will take negatives from 35 mm. to 2 1/4 x 3 1/4 (120). Complete with lens and easel, \$20.00. D. U. Ullman, Reproduction.

FOR SALE: Mahogany sailboat. Like new. Fully equipped. Contact M. Dubrov, East Engineering Section.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 44, Vol. 3

Langley Field, Virginia, October 21-27, 1944

Page 1

# FUND DRIVE GETS UNDERWAY

## ADMINISTRATIVE DINNER MEETING

The third in a series of Supervisor's dinner meetings held Wednesday, October 18, 1944 proved to be unusually interesting.

Mr. C. A. Hulcher training coordinator acted as chairman in the absence of Mr. Elton W. Miller, Chief of the Administrative Department.

After the dinner, Mr. Hulcher introduced Mr. John R. Dawson who explained the purpose of the ditching experiment in progress in the Hydrodynamic and Aircraft Loads Divisions. Mr. Dawson in turn, introduced Major Julian P. Harvey of the Airforces Proving Ground, Elgin Field, Florida, who is the volunteer test pilot that ditched the "Ella Mae" in the James River. Major Harvey has participated in 30 missions over Germany, France, and Italy, and holds the Distinguished Flying Cross, 5 Air medals, American Theatre Operation medal, and a group citation for the raid over Polesti Oil Fields. He was assigned to the 8th Airforce and has operated with the 9th and 12th Airforces out of Bengazi and Tunis.

Major Harvey annotated the the ditching film as it was shown, from his first-hand

(Continued on page 3)

## COMMUNITY CHEST AND WAR FUND BENEFIT FROM CAMPAIGN

The second Laboratory drive for the Community Chest and War Fund begins! Solicitors have started buttonholing members of the staff for the purpose of securing contributions to the second Elisabeth City County-Hampton Community Chest and War Fund. The Laboratory is expected to contribute \$5,000 of the County and City's quota of \$45,000. Inasmuch as the monthly payroll of the Laboratory exceeds \$500,000, this is a relatively small contribution.

## FCU CHANGES OPERATIONS

To supersede the old system of individual collections in each building, the Federal Credit Union has established two business offices. The East Area office, located in the Personnel Service Office, Service Building, and the West Area office, located in the West Area Cafeteria Office.

Mrs. Modesta D. Roberts is in charge of each office and loan applications, loan repayments, and share deposits are to be made to her at the business offices during the following hours - East Area: Monday, Wednesday, Friday, 11:30 a.m. to 4 p.m.; West Area: Tuesday, Thursday, Saturday, 11:30 to 4 p.m.

It must be emphasized that it is the responsibility of each member to transact his business promptly at the above offices. There will no longer be any collectors other than Mrs. Roberts

Starr Truscott, chairman of the present drive, has requested that it be brought to the attention of every member of the staff that the Community Chest and War Fund is expended almost wholly for the benefit of the people who live in this area. Of the total \$45,000, \$20,000 is allotted to the War Fund, and an examination of the figures showing the distribution of the figures showing the distribution of this amount indicates that more than 50 percent of it will be expended right in Elizabeth City County and Hampton.

This Community Chest and War Fund are our Community Chest and War Fund! The amount that leaves the area is a relatively insignificant proportion; yet, when added to the contributions of other areas, it will provide funds for doing a wonderful amount of good in the stricken areas of the less fortunate allies. Read about the distribution as given in

Continued on page 4



The LMAL Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor . . . . . Tiny Hutton  
 Managing Editor. . . . . Ruth Angel  
 Sports . . . . . Si Diskin, Nancy Shelton  
 Reporters. . . . . LMAL Employees

# Service Notes...

Bill Goodlow, formerly of Personnel, writes from somewhere overseas to say, "I wish to convey my deepest thanks to all in making it possible for us in the service to receive the LMAL Bulletin. My best regards and wishes to you. Keep up the good work." Bill's address is: Sgt. W. Goodlow, 35522347 Hq. Det., 467th Bomb. Gp., APO 558, c/o Postmaster, N. Y., N. Y.

D. E. Hicks writes from Norman, Oklahoma to say, "It's time for me to be on the go again. I graduate October 21 and will be sent to a different station. I will be a seaman first class, metalsmith striker. Boy, the school here covers a great variety of things, and did I learn a lot."

Howard B. Miller, writes from Maxwell Field, Alabama to say, "I know I'm not allowed to subscribe for the Bulletin myself, but I don't think there is any regulation existing which prevents me from contributing money in order that the Bulletin may go forth to my friends. I'm enclosing herewith one dollar for that purpose. A former NACA boy is right here in my barracks. Remember Shirley Byrd? He use to work in the Drafting Room. Perhaps you remember Stanley Shapiro, East Machine Shop; well he's here, too." Howard's new address is: A/C Howard B. Miller, Section R-D, Flight 2, Class 45D, Maxwell Field, Ala.

Charles Wilson, formerly of the East Machine Shop, writes that he is now at Camp Gordon, Georgia, in a heavy automotive company, and sends his regards to all the "fellows" of the Machine Shop. Charles' address is: Pvt. Charles W. Wilson, 33854342, 221 ORD. H:A.M. Co., Camp Gordon, Georgia.

Time wasted is time gained--for the Axis!

## "GIVE UNASKED, THROUGH UNDERSTANDING"

*"It is well to give when asked, but it is better to give unasked, through understanding."*

The Prophet, by Kahlil Gibran

The Community Chest and War Fund Appeal, which is now in progress throughout the nation, offers to citizens everywhere an opportunity to contribute to many worthy organizations. In former years we have been subject to many requests, but now, through the wisdom of civic leaders, all such appeals have been combined, thus relieving donors of the annoyance of too frequent demands for contributions.

It is to be hoped that we may examine with thoughtfulness the scope of this campaign. All organizations included are necessary to the health, welfare, and morale of this community, and to the continued progress of the war effort. All are worthy of our earnest consideration and support.

Not only are we of LMAL a part of this community, but we too, are fighting beside the man behind the gun. For this reason, we should be doubly interested in the successful culmination of this deserving campaign.

The goal at LMAL is comparatively small, but it cannot be reached without the backing and support of every employee. Solicitors are now working throughout the laboratory. Their job is not an easy one unless we help to make it so. Let each of us evaluate thoughtfully and sincerely his ability to carry his share of the load, and "give unasked, through understanding."

## IMPORTANT: CAR OWNERS

There appears to be some misunderstanding regarding the rationing still prevalent in the Laboratory. It is hoped that the following will clarify the procedure.

THE GASOLINE AND TIRE RATIONING IS UNDER THE JURISDICTION OF THE OFFICE OF PRICE ADMINISTRATION AND OPERATES THROUGH LOCAL BOARDS ACCORDING TO THE REGULATIONS STIPULATED BY LAW.

### Gasoline Rationing

1. Applications of NACA employees will not be accepted by local boards unless approved by the NACA Transportation Committee Chairman.
2. All information requested must be given correctly or applications will be rejected by the board.
3. The application for gasoline must be signed by the riders carried as well as by the applicant. The board will not

Continued on page 4



## SPORTS



## FOOTBALL STATISTICS

AWT, 32; 8'-LTS, 7  
Flight, 12; Stability, 0  
PRD, 19; PRT, 6  
WAS, 19; Tank, 0  
Loads, 13; IRD, 7  
Eng., 14; 16-Foot, 0

AWT swamped 8-Foot 32 - 7 to remain undefeated. After three downs failed to net any yardage, for 8-Foot, the ball was kicked and taken by Billy Bates on his own 40 yard line and returned for a touchdown. The second score came for AWT after a pass from Knemeyer to Polhamus which gained 50 yards and placed the ball on the two yard line. Knemeyer scored on an end run and Spearman made the extra point. The first score in the second quarter was made on a 25 yard pass from Knemeyer to Bates. The next score was made in the third period when Knemeyer intercepted a pass on the 8-Foot 25 yard line. The final AWT touchdown was made on a pass from Comenzo to Bates. Coleman Donaldson scored for the losers.

After getting off to a slow start, Flight came through in the third quarter to tally. The score came when Stability attempted a pass which was intercepted and moved to the 5 yard line. Hart carried the ball over for the first touchdown. Hart scored again in the fourth quarter when he carried the ball over from the Stability twelve. Stability used their spread play through the game, but the passes either were short or the receivers fumbled the ball.

In one of the seasons hardest fought games, PRD came through to defeat PRT 19-6. At the end of the half, PRT was leading 6-0, but Physical Research rallied in the third quarter to score on a pass from McNulty to Trinkle. Oborny place kicked

the extra point to put PRD in front 7-6. The other two touchdowns came in the fourth quarter on long passes from McNulty to Trinkle.

WAS came through to defeat Tank 19-0. The first score came in the second quarter on a pass from Muhly to Kurtyka. In the third period, Grant, on his own 45 yard line, passed to Panz who carried the ball over for the second touchdown. The final score was made in the third quarter when Kingler intercepted a Tank pass.

In a game marked by erratic playing, Loads defeated IRD 13-7. IRD consistently outcharged the Loads line, but this was offset by Load's alertness in recovering IRD fumbles. The winners scored late in the first quarter on a pass from Cancro to Deters. Late in the third period, Loads scored again when Cancro intercepted an IRD pass. The losers scored in the fourth quarter when an attempted Loads quick-kick was blocked by IRD and recovered for a touchdown.

After a set back last week, Engineering came through to defeat 16-Foot 14-0. The first touchdown was made by Marchal after a series of running plays. A pass from Dodson to Vollwraith accounted for the extra point. The final score came in the third period on a pass from Rogers to Miller. The extra point was good on a pass from Marchal to Miller.

The games for Sunday are as follows: at Hampton, PRT vs. Structures at 1, and Flight vs. AID at 3; at Armstrong, Engineering vs. Stability at 1, and WAS vs. 16-Foot at 3; at Wythe, PRD vs. Tank at 1, and AWT vs. IRD at 3.

Claude Hart, Flight back, and Ed Trenkle, PRD end, climbed into a tie with Cletus Vincke, for top spot among the individual scorers of the touch football league. Each has scored 30 points.

Arvo Luoma still leads the touchdown passers with seven heaves but Jim McNulty of PRD is close on his heels with six. Vincke has caught the most touchdown passes, five, but Trenkle is close behind with four.

The PRD offense has rolled up an impressive 53 points to lead in that department. The 16-Foot team is still scoreless. Structures' goal line is uncrossed for the top in defense and opponents of 8'-LTS have racked up 57 points to put them on the bottom.

The AWT victory over 8'-LTS, 32-7, is the largest to date and Billy Bates, AWT back, scored 19 points, most in a single game.

Les Oborny, PRD end, added another placement conversion to bring his total to four, and Claude Hart reeled off two more touchdown runs to lead in that department with four.

## MEETING

Continued from page 1

point of view. The experiment was further personalized by the record of Colonel Carl F. Green's voice as he spoke from the cockpit of the "Ella Mae" during the ditching. The experiment has long been a hope of Colonel Greene as have others that have taken place at his instigation. The impressive film, The Battle of Britian, took on a slight tinge of the anticlimax, with Major Harvey and Colonel Greene actually present.

During the intermission, Major Harvey was surrounded on all flanks by the LMAL girls who have a great interest in Research.

## RATIONING

Continued from page 2

issue gasoline to drivers who do not carry riders to work (one in a coupe - three in a sedan) unless the circumstances justify an allotment and a satisfactory explanation is submitted to the local Board.

4. The Transportation Committee cannot tell the applicant when the board will pass on applications, but will contact the board in cases of emergency.

5. The Hampton and Hilton Village Boards mail the ration books directly to the applicant's home. The Personnel Services pick up the books from Newport News twice each week and notify applicants that they are available in the Personnel Services Office. They cannot be sent to owner from Personnel Services. If lost under such circumstances, the ration boards will not replace the book. If unable to come to the office or a fellow worker cannot be sent to pick up book, notify 377 and an attempt will be made to make other arrangements.

6. The mileage granted for given distances has been approved by the local boards. More than your regular route requires cannot be approved unless extra mileage is needed for picking up passengers. A written statement from an O.P.A. inspector showing that an automobile gets less than 15 miles per gallon of gasoline justifies a request for more gasoline. Personnel Services will supply addresses of certified O.P.A. inspectors.

7. Tire inspection records must accompany gasoline applications submitted to the Hilton Village and Yorktown Rationing Boards, however, tires do not have to be reinspected.

### *Tire Rationing*

1. Tire applications will not be considered unless an O.P.A. inspector's report has been obtained. Tires to be replaced must be condemned by the inspector and the condition of same must be shown on the application. The applicant's eligibility is determined by the answers to questions 11 and 12. All applications must be signed in space provided on back.

2. The tire inspection record must accompany applications sent to Newport News, Hilton Village and Yorktown Boards.

3. The local boards notify the applicant when certificate to purchase tires has been granted. In cases of emergency, Personnel Services will contact board to find out status of applications.

4. Local boards receive a monthly quota of tires from the District O.P.A. Office in Richmond, Virginia. Due to the excessive number of applications, the quota is not always sufficient to cover each applicants needs. For this reason there will be some delay in receiving tires.

### *Basic "A" and "D" Renewal Applications*

1. To apply for renewal of Basic "A" and "D" ration fill out O.P.A. Form No. R-534. The entire cover of present book, including No. 12 coupons, must be attached. Be sure name and address are filled in on the back cover in the space provided.

2. The Transportation Committee will mail applications to local boards. In cases of residents of the Newport News area, the books will be picked up and applicants notified when they are available, unless applicants wish to apply in person to the Newport News High School, 3100 Huntington Ave. or the Huntington High School, 35th and Orcutt Ave. The schools will be open from 2:00 P.M. to 8:30 P.M. on October 25, 26 and 27. All boards except Newport News will mail the books to the applicants.

The foregoing rules are subject to change without notice. Call 377 for any questions regarding rationing.

★ ★ ★

NEWPORT NEWS LITTLE THEATER  
TO PRESENT PLAY OCTOBER 31

The Newport News Little Theater will present a three act comedy "Three Is A Family", on Tuesday, October 31 at 8:15 p.m. at the Newport News High School.

Phyllis Parker, PRT, will play the part of a colored maid.

Admission will be free to members of the Newport News Little Theater. Tickets may be purchased for 75 cents plus tax from Tiny Hutton, Bulletin Office.

## STOCK NEWS

The Stock Section, realizing that great changes are taking place in materials, desires comments on stock now carried, particularly as to the suitability for various Laboratory needs.

The section will welcome comments and suggestions as to new materials and items desired by the Laboratory and endeavor to supply them if sufficient demand exists. If any section has special stock of its own that other activities are always asking for, the Stock Section would appreciate a description of the article so that a supply may be ordered and save the other sections from being bothered.

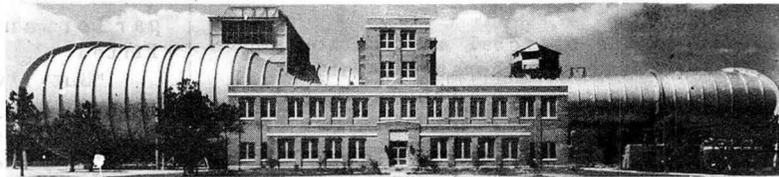
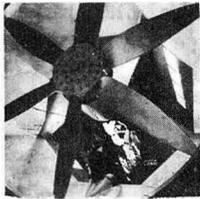
The Stock Section will welcome any business along these lines. Whenever possible, it is desirable to make a big order replace several small orders and thus cut down on overhead all around.

## FUND DRIVE

Continued from page 1  
the folder that will be handed to each person solicited, and see how it is done.

The Industrial USO on King Street, which is so popular with the Laboratory personnel, derives its support from contributions to the War Fund, and Syms-Eaton Community Center receives most of its support from the contributions to the Community Chest.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 45, Vol. 3

Langley Field, Virginia, October 28-November 3, 1944

Page 1

### Name Advisory Committee For LMAL Bulletin

It is evident that there is dissatisfaction in regard to the publication of the LMAL Bulletin. Lest anybody thinks that opinions of the Laboratory as a whole are being ignored, we would like to state that plans are underway for a review and consideration of the entire Bulletin setup.

An Advisory Committee for the LMAL Bulletin has been established, representative of a cross section of Laboratory opinions and interest. Its members are: Frank Aspin, Indie Atkins, Don Baals, Tom Hulcher, Caldwell Johnson, Kitty Joyner, Leslie Merrell, Marvin Pitkin, Arthur Samet, and Ann Timberlake.

### "A" BOOKS HERE COME AND GET 'EM

"A" ration books have been delivered to the Rationing Office for the following listed persons. They may call for them in person.

Frank T. Abbott, Frank Aspin, Walter Bartlett, Jr., Joe W. Bell, James M. Benson, Thelma A. Bishop, Harold G. Brilmyer, Clarence M. Caldwell, Oleta Church, Charles B. Cook, William M. Cook, Earl L. Councill, Jr., Tilford R. Crandol, T. H. Elder, John F.

Continued on page 6

### Reid Is Abroad Details Secret

H. J. E. Reid has gone abroad on a special governmental assignment, details of which are not available at present. In his absence, John W. Crowley, Jr., is Acting Engineer-in-Charge.

### ANOTHER FACTOR IN HIGHWAY LAW

In a recent issue, under the heading "Responsible Drivers" we carried a description of the new Motor Vehicle Safety Responsibility law which goes into effect the first of the year.

One thing that we failed to point out is the fact that, in order to be protected, your auto liability policy must be issued by a company authorized to do business in Virginia. Out of state companies must meet certain requirements of the law.

If you have a policy and want to know whether or not it is safe for you to get out on the highway after that New Year's Eve party, drop a line to C. F. Joyner, Jr., Commissioner, Division of Motor Vehicles, Richmond, Va. Someone in his office will tell you.

# BUY MORE BONDS

### Chest Campaign Reaches \$3,397 In First Week

The Community Chest and War Fund Drive is making good headway at the Laboratory, \$3,397.24 having been contributed by the close of business last Wednesday. At this rate, the \$5000 quota should be topped before publication of another Bulletin.

Starr Truscott, chairman of the LMAL drive, remarked that an amazing peculiarity of the current campaign was the fact that the women of the Laboratory have come through with 50 percent more than the men. He stated that any men who wanted to up their contributions on behalf of the male of the species would find the solicitors ready. Truscott also said that he was at a loss to explain the odd 24 cents in the total.

An interesting comparison to the drive here can be drawn from the drive at AERL. The Cleveland lab's quota is \$18,000 and employees are giving not \$2 nor \$5, but a day's pay. Our total collections last year were less than \$4000.

### ALUMNI ASSOCIATION PLANS BANQUET

The new chapter of the Georgia Tech Alumni Association, recently formed by Laboratory employees, has met and tentative plans have been made for a dinner banquet on Thursday night, November 9.



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## Looking At Ourselves

The Bulletin strolled casually down the hall the other day and cast a furtive glance at the mirror on the wall. The look that the mirror shot back floored the gazer. Picking itself up, the Bulletin looked again and groaned. A group of onlookers, some management, some employees joined in the chorus.

"What the devil has happened to me?" the lorn creature asked, "Is everybody agin me?"

None of the onlookers gave any answer, save some additional groans from some employees, so the mirror took it upon itself to reply.

"I am the ghost of Bulletins past, present, and future," it said, and deftly applying a clothespin to its nose, added, "and for the present, I think your face has slipped."

"Slapped is the word! Here I've been worked on six days a week, trying to get my columns indecent shape for Laboratory readers, and now, in one day, I get a bop in the mop from so many people I thought were my friends." As this was said, the Bulletin turned and stared at the onlookers, some of whom beamed with an "I done it air" while others hastened to look away and others just hastened away.

"The mirror rattled on, unmindful that anyone else was listening. "No one is really down on you chum. Look me straight in the eye. Alas, if we mirrors could only publish all we see!"

"This is an outrage. I won't look," muttered the Bulletin, starting a dash down the hall.

"Come back here," yelled the mirror, its glassy eyes bulging. "You have to look at me, my friend. You can't avoid me, although sometimes I wish you could. Running the dreaded risk of overemphasis, I repeat that I am the ghost of Bulletins past, present, and future."

"What's with this future deal?" the Bulletin quizzed.

"Plenty," the mirror retorted, "you ain't entirely hopeless although this morning you could hardly be considered a dynamic model. Now listen to me. I've looked into many faces ---and minds---and hearts. What you need is a good clean-up---more lift and less drag."

"But---"

"But nothing! Let me talk for a while. Has anyone stopped and tried to analyze you lately? Does anyone know what really interests people, and why? Did your bosses ever hear of humor---or news value---or variety?"

"You've got me, pal."  
"Well, it's high time you sampled them. Take a day's leave and go to the beauty parlor and get your face lifted."

"But I've already used up 20 days of annual leave."

"Then take sick leave."

There came a sound of a throat being cleared from the right wing of the onlookers.

The mirror peeped around its crusted edges and saw that they were not alone. "Oh, I see that there are others interested in you," it said. "Well, Bulletin, look around you. Here is the kind of help you badly need. And remember, they need you just as much---all of them! You are certainly not responsible for everything wrong with you nor can you make all the improvements alone. Do your full share and ask them to do the same. Am I right?"

"Quite!"

"Then hop to it! Square your headlines; get stripped for action, but don't take it too far! Get back to work and change your time up here to P.J.O. PDQ123."

"Here I go, pal; wish me luck."

"I do; I do; and don't think you won't need it," the mirror chuckled as it strained to get a glimpse of the Bulletin disappearing down the hall, running in three directions at the same time, trying to catch everybody at once.

### BEGINNER'S SPANISH COURSE OFFERED

Anyone interested in post war possibilities in Latin America might be interested in a course in beginners' Spanish which is starting at Hampton high school Wednesday evening, November 1. Miss Elizabeth Ham of the high school faculty will do the teaching and the cost for 25 hours of instructions is \$15. The classes will meet each Wednesday from 7 until 8:30 p.m.

Interested persons should contact Lucy Bainbridge, Employment Office, 308.

# STRUCTURES, AWT STILL ON TOP

# GIRLS' SOCCER

## GETS UNDERWAY

Structures, 33, PRT, 0  
AWT, 32; IRD, 0  
West Shops, 15; 16-Foot, 0  
Flight, 13; ALD-19', 6  
Stability, 14; Eng., 9  
Tank, 6; PRD, 6

Structures and AWT maintained their grip on first place with smashing victories over PRT and IRD, respectively. Flight moved into a tie for third place with a win over ALD-19' while Tank tied PRD.

In the Structures-PRT game, the winners went off to a quick lead and were never headed.

Structures 13 6 6 8 - 33  
PRT 0 0 0 0 - 0

Scoring: Touchdowns: Ochiltree (pass from Dobrowski), Anderson (pass from Boughan), Anderson (pass from Dobrowski), Ochiltree (interception), Ochiltree (pass from Boughan); Safety, Levin; Extra Point, Anderson

Despite the loss of three regulars, due to injuries, AWT managed to run their string of victories to four straight.

AWT 13 6 6 7 - 32  
IRD 0 0 0 0 - 0

Scoring; Touchdowns: Comisarow (interception), Polhamus (pass from Knemeyer), Polhamus (pass from Comenzo), Tucker 2; Extra Points; Spearman (pass from Knemeyer), Polhamus (pass from Comenzo).

West Shops moved into a tie for fifth place by downing 16-Foot, 15-0.

Shops 2 6 7 0 - 15  
16-Foot 0 0 0 0 - 0

Scoring: Touchdowns: Kurtyka (pass from Muhly), Little (pass from Grant); Safety:

Standings:

Pos.	Team	Won	Lost	Tied	Pctg.	PS	PA	GTP
1	Structures	4	0	0	1.000	73	0	5
1	AWT	4	0	0	1.000	82	14	4
3	PRD	3	0	2	.800	59	18	4
3	Flight	4	1	0	.800	58	33	4
5	West Shops	2	2	1	.500	47	37	4
5	Stability	2	2	1	.500	38	53	3
5	8'-LTS	2	2	0	.500	51	57	5
8	Engineering	2	3	0	.400	36	29	4
9	ALD-19'	1	2	1	.375	45	49	5
9	Tank	1	2	1	.375	20	46	5
11	PRT	1	3	1	.200	44	84	4
12	IRD	0	4	1	.100	13	76	4
13	16-Foot	0	5	0	.000	0	65	4

Kinzler; Extra Point: Grant (placement).

ALD-19' came through with a fourth period touchdown to tie up the game with Flight, but Flight came back on the first play after the kickoff to put the game away.

Flight 0 6 0 7 - 13  
ALD-19' 0 0 0 6 - 6  
Scoring: Flight: Touchdowns: Hart; Kleckner (pass from Daum); Extra Point: Daum (placement); ALD-19': Touchdown: Spooner (pass from Cancro).

Stability got off to a quick start to score 14 points against Engineering. Engineering came back with a score in the third quarter. With the ball on his two-yard line and the Engineering line charging hard, quarterback Everett of Stability gave the losers a voluntary safety on the last play of the game.

Stability 14 0 0 0 - 14  
Engineering 0 0 7 2 - 9  
Scoring: Stability: Touchdowns: Campbell (pass from Everett), Bostetter (pass from Everett); Extra Points: Everett 2; Engineering: Touchdown: Dubrov (pass from Rogers); Safety: Marchal; Extra Point; Marchal (replacement).

The hard charging line of Tank was chiefly responsible for the upset of the week, a 6-6 tie with PRD.

Tank 6 0 0 0 - 6  
PRD 0 6 0 0 - 6  
Scoring: Tank: Touchdown: Posner (pass from Damratowski); PRD: Touchdown: Trenkel (pass from McNulty).

A meeting of girls interested in the promotion of soccer at IMAL was held Monday afternoon at the Industrial USO at 5:15 October 23, 1944. Girls who had expressed an interest in having a team from their section, or in combining with some other section, attended.

The Industrial USO is providing a part-time director to assist with the activity and will instruct those who have never played before in some of the fine points of the game.

On Wednesday, girls interested in participating, met for practice with the director at the Armstrong playground at 5:30 p.m., and another practice will be held next Wednesday, November 1, at the same time same place. Every girl interested is urged to come out. It doesn't matter whether you have ever played or not, and it doesn't matter whether your section plans to have a team. For further information call the Bulletin Office, phone 376, or Counseling, 226.

## LITTLE THEATER TRYOUTS SUNDAY

The Hampton Little Theater has extended an invitation to all Laboratory employees to try out for parts for the forthcoming production, "Ah, Wilderness!", which will be staged at Hampton high school December 8 and 9.

Tryouts will be held Sunday afternoon, October 29, at the home of Mrs. F. W. Darling, corner of Bridge Street and Columbia Avenue in Hampton.

There are parts for nine males and six females. Dave Goldenbaum, Tank, is director.

★ ★ ★

LOST: Black and brown Parker fountain pen with transparent barrel. If found, contact C. V. Morris, Leave Office.

## Seventy-Four Years With Us



Percy Keffer, Sam Eakin, and Charlie Wolf (reading from left to the other side) seem to be reminiscing about the laboratory they used to know back in the "old days". Charlie and Sam are our second and third oldest employees, in point of service. They both recently celebrated their twenty-fifth anniversary here at LMAL. Keffer is the youngest of the lot. He has been here only twenty-four years. Keffer is head of the woodworking shops; Charlie is head of the sheetmetal shops; and Sam is head of the line crew.

## ..from the services..

Bill Craig, formerly of Employment and the Green Cow, dropped us a line a couple of weeks ago to tell us how he was enjoying the Army and particularly Army chow. Being a vocalist of no mean accomplishment, Bill seems to be getting a big bang out of singing whenever he marches. From what we've heard of the Army, he'll get plenty of vocal exercise. Bill's address is: Pvt. W.E. Craig, 33855436, 3706th AAFBU, B.T.C., Section S, Bks 662, Sheppard Field, Texas.

Bill Guy, former Photo Labite, recently had a change in station, going from India to China, via a plane ride "over the hump". His biggest surprise was the staff of the mess hall at the new base. He writes, "I was speechless for a moment the first morning in our mess hall here, when one of the Chinese waiters asked me how I wanted my eggs. It wasn't exactly G.I. mess

hall procedure." The address is: Pfc. William H. Guy, Jr. 13071460, 35th Photo Rcn. Sqd., A.P.O. 627, c/o Postmaster, New York, N.Y.

Bob Thacker writes from Lowry Field and asks to be remembered to everyone at PRT. (Bob had a bit of hard luck when he washed out of flight training after 20 months.) He's now in armor-gunnery school. He said that he's been moving so fast recently that the Bulletin has a hard time keeping up with him. The last one he received had been to five other camps before it got to him. Bob would appreciate any letters to Pvt. Robert T. Thacker 33525432, Section I, Lowry Field #2, Denver, Col.

A recent letter from Frank Grosch found him in transit to Ft. Leonard Wood. He asked to be remembered to the gang at East Engineering, particularly to Kline and Portnoy.

## Community Center For Langley View

All residents of Langley View, including Laboratory employees and their families, have been invited to attend a gala Hallowe'en celebration at Langley View school on Monday night, October 30, at 6:30. Residents of Cavalier Court and Langley Field have also been invited to attend.

Following the celebration, a meeting will be held in the school auditorium for the purpose of organizing a community center association. The auditorium and gymnasium (one of the largest in the county) will be available to the group for their use.

Plans are under way to have several athletic and hobby groups started as soon as possible.

Arrangements are being made by Z. Nespor of the Army Special Service.

## OFFICIAL

In accordance with Civil Service regulations, a temporary employee (anyone appointed for a period of one year or less) does not earn leave until he has worked 30 calendar days.

After 30 calendar days of service, he is credited with 2-1/2 days annual leave and 1 day 2 hours of sick leave.

However, if a temporary employee is absent before completing his first 30 calendar days of service:

1. He has to charge such absence to leave without pay, making application according to procedure in operation.

2. He forfeits his days of service prior to his absence and starts from the date of his return to duty to count 30 calendar days which will entitle him to leave.

## Life At The Laboratory

**WEDDING BELLS:** Ruth Webb, Office of Chief of Administrative Department, and Kent Horton, West Engineering, were married Sunday, October 22, at the First Methodist Church, Hampton. Attendants were: Betty Ludwig Sjoberg, ALD, bridesmaid; Ralph Stone, Spin Tunnel, best man; and Norman Silsby, FRD, and Bill Ramsey, Planning and Procurement, ushers. . . Francis Dreisbach, Instrument Research, and Genevieve Krimm, Richmond, were married Friday, October 13. Fred Chalfont, Dynamic Model Shop, was best man. . . . Elizabeth Garner, AWT, and Marion McKinney, Free Flight Tunnel, were married Saturday, October 21, at Winston-Salem, N. C. Attendants were: Bridesmaids; LaVerne Priddy, Stability Analysis, and Rowina Daniels, 8-Foot High Speed Tunnel, Groomsmen- Jack Paulson, popular usher, and Charles Seacord, both of Free Flight Tunnel. . . James J. Kelly, Jr., Washington Office, was married Saturday, October 21, to Alma Catherine Brown of Dayton, Ohio. . . Marijean Saunders, Receptionist, recently went to Chicago to visit her fiance, S. A. Smith, Jr., and returned to the Laboratory last week as Mrs. S. A. Smith, Jr.

**MISCELLANY:** The AWT personnel wish Billy Bates, who has gone to his home in Nashville, Tenn. to undergo an appendectomy, a speedy recovery and a quick return. . . Best wishes to Ernest J. Schave, who is up and about after a recent illness. . . The girls' bridge club of Impact Basin held its second meeting Wednesday night at the home of Mrs. Phillip Edge.

**CONDOLENCES:** To Oliver J. Haas, Electrical Office, on the recent death of his infant son.

**ENGAGED:** Eleanor McKinstry, AWT, is engaged to Corporal Edward Mackey of New London, Penn. Cpl. Mackey is stationed at the Charleston Air Field, Charleston, S. C.

**HEIR MAIL:** Bob Little, Head of West Sheetmetal Shop, is the proud father of a son, Robert Ellsworth, Jr., born Friday, October 13.

## THIRTY-FIVERS SPONSOR DANCE

The Thirty-Fivers of St. John's Episcopal Church will sponsor a Hallowe'en dance Tuesday evening at the Parish house from 9 to 12. The affair will be informal. This is the first in a series of dances to be sponsored by the club.

Tickets may be obtained from any of the following: Dodie Atkins, Ginna Tucker, and Renee Rhodes, E. Area Computing; Kathryn Beasley, FRD; Revie Bayer, Impact Basin; Odie Beckham, FST; Helen Flanagan, ALD; Monk Jones, Purchase Office; Mary Lou Mackie and Betty Toll, Editorial Office; Alice Whitley Hill, AWT; Mary Lou Sawyer, Stability Tunnel; and Charlotte Lide, Tank.

## USO NEWS

This week's program at the Hampton Industrial USO will open on Sunday, October 29, with open house. On Monday, October 30, at 7:30 p.m. the Athletic Club will meet at Syms Eaton Center, and from 8:30 to 11:30 p.m., an informal Hallowe'en Dance at Ann Wythe Dormitories. Tuesday, October 31, open house and Wednesday November 1, at 7:30 p.m. the USO Mimes rehearsal. At 8:30 p.m. on Thursday, November 2, the movie "Hers to Hold" will be shown. Friday, November 3, at 7:30 p.m., USO Mimes meeting and Saturday, November 4, open house.

**FOR SALE:** Electrical phonograph and records, balloon tire bike, and tennis racket. Contact Walter Kabana, Erection Shop.

## GIRL SCOUTS NEED LEADERS

The Girl Scout Councils of Hampton-Elizabeth City County and Newport News-Warwick County are seeking more adult members. There is a great need for leaders, troop committee members, council committee members, and program consultants. All these are needed to satisfy the demand of the girls for constructive recreational activities.

Any names which might be suggested as possible workers should be sent to Mrs. Robert G. Sugden, 46 Marrow Street, Hampton. Every consideration will be given to placing such new members in the position they can best fill.

## HART, TRENKEL LEAD SCORERS

Claude Hart and Ed Trenkel each added a touchdown to their totals to lead the list of individual scorers with 36 points each. Hart leads in touchdown runs with five and Trenkel is tied with Cletus Vincke for first in most touchdown pass catches with five each.

Arvo Luoma and Jim McNulty head the pass throwers, each with seven touchdown connections. Gus Boughan is close behind with six. Les Oborny heads the extra point kickers with four conversions.

Billy Bates' 19 points still top the individual scorers for a single game and AWT leads in total offense with 82 points. The 16-Foot team is still scoreless. Structures has kept its goal line uncrossed and PRT is at the bottom of the defense list with 84 points against.

Structures topped PRT 33-0 to run up the largest score to date.

\*\*\*

**FOR SALE:** 12-Foot sailboat. Sloop rig, new sails, all brass fittings. Just painted. Cheap. Contact Al Johnson, Electrical Section.

## MOREWITZ'S IDEA PUT INTO ACTION

Bernard Morewitz, AWT, is an employee who took it seriously when an invitation was extended for employees to make suggestions that would improve the efficiency of the Laboratory.

Realizing that lubrication needs have become more complex with the building of special, high-speed testing equipment, and taking note of the fact that the Laboratory had had no lubrication expert since the engine lab went to Cleveland, Morewitz suggested that a qualified expert on lubrication be obtained for the Laboratory.

His suggestion went to the Engineer-in-Charge and as a result, Richard Varnum, East Engineering, and Frank Aspin, West Engineering, have been selected as consultants on lubrication problems.

These men have familiarized themselves with data which have been compiled by the Engineering Section over a period, have made a study of lubrication applications, and are obtaining data from sources specializing in the field in order to keep up to date.

The services of these men are available to the entire Laboratory.

## GAS BOOKS

Continued from page 1

Eppler, Americo A. Faruolo, Jack Fischel, Harvey T. Forrest, R. Fabian Goranson, Melvin N. Gough, and Edward M. Gregory.

Oliver J. Haas, Sidney M. Harmon, Dorothy E. Harris, Murray F. Hershkowitz, Gerald Hieser, Herbert Hoover, Claude Johnson, Ralph W. Krone, D. T. Halliday, E. J. Leach, Jr., Harry A. Lyons, Rosevelt Peterson, C. G. Prospere, Elsie K. Malachowsky, M. W. Manbeck, John F. Megginson, Alvin H. Morewitz, C. V. Morris, Robert G. Mungall, Alton Murden, Bruce Myers, Helen Northcross, and Joseph E. Pavlovsky.

Jack Powers, Jack F. Runckel, Theodore Theodorsen, W. E. G. Trail, Robert T. Schade, Edward B. Schwartz, Robert M. Shack, Isaac Shapiro, Oscar Seidman, R. A. Slaughter, Mamie T. Smith, Robert K. Souter, Stanley H. Spooner, Joseph A. Stora, Frances J. Tyler, George J. Veirtel, Benjamin Vogel, Charles T. Waters, and Martin Weiner.

If a piece of tissue, the thickness of cigarette paper, were torn in two, the halves put together and torn, and this operation repeated 50 times, the resulting pile of paper would be 17,000,000 miles thick.

## BOUGHAN TO HEAD FOOTBALL LEAGUE

The Community Touch Football League, made up of 13 Laboratory teams, recently elected Gus Boughan, Structures quarterback, as chairman of the league. Boughan had been serving as temporary chairman since organization was started this year.

Bruce Amole, center of the Tank team, was elected vice-chairman, and Tiny Hutton, crippled AWT guard, was chosen secretary-treasurer. All elections were unanimous.

Irwin Schumacher was named chairman of a committee to arrange for a post season dance, providing enough men are off crutches by that time to participate.

Pete Korycinski is heading a committee appointed to purchase a trophy. Fearing that Korycinski's interest would be lessened because 16-Foot has neither a mathematical, systematic, or problematical chance of winning, Boughan extracted a promise from Pete that the trophy would be on hand "at least by Easter".

A motion that the name of the league be changed from "touch football" to "tough football" was not made and therefore could not be voted on until the next meeting.

## classified

FOR SALE: Farm trailer with new tires and pre-war tubes. Price \$100. Contact Gordon Mercer, Research Staff office.

LOST: Gold Coast Guard pin with shield emblem. Contact Mrs. Blaun, Property office.

FOR SALE: 18-foot catboat. 6 foot beam, 180 square feet of sail, extremely seaworthy. Call Harry Silver, Engineering, or Chuch Dobrowski, Structures.

FOR SALE: Ladies' red corduroy tailored suit size 12. Contact Ginna Tucker at Hampton 4970.

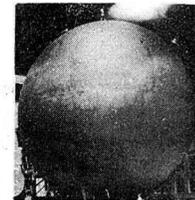
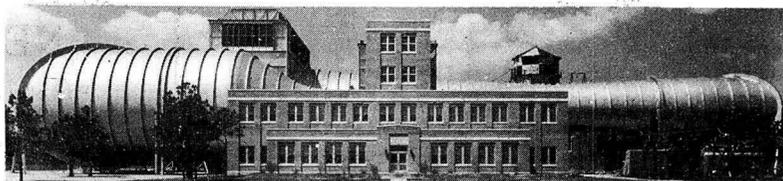
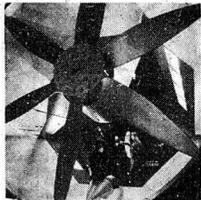
LOST: A black official bike with a PRT tag on it. If found, call 234.

FOR SALE: "Jiffy" 616 kodak, Series 2, folding. Contact Ben Vogel, 206.



Ah! The Bulletin, just like a letter from home!

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 46, Vol. 3

Langley Field, Virginia, November 4-10, 1944

Page 1

### STAFF MAY VOTE WITHOUT LEAVE NINE LAB EMPLOYEES CAST BY GOLDENBAUM

Employees who want to cast their ballots next Tuesday will be allowed to take a reasonable amount of time off from work without charge of leave. This authorized absence may not exceed the time actually required to vote and in no event may it exceed one working day.

Anyone who makes use of the privilege will be required to sign in and out on the regular attendance sheets and to write "voting" in the space provided for remarks. Time so used will be charged to J.O. EAA812.

Those employees, requesting additional leave for voting purposes and requiring more than one day to get to their legal residence, will be granted permission whenever practicable. The period of absence in excess of one day will be charged to annual leave or, if leave is exhausted, to leave without pay.

\* \* \*

### KAYTEN NAMED TO BULLETIN GROUP

Gerald Kayten, of the 19-Foot Tunnel staff, has been added to the Advisory Committee for the LMAL Bulletin and has been named chairman of its subcommittee on general editorial planning and features.

This subcommittee and two others have been appointed by the chairman of the main committee at its request. Tom Hulcher heads the committee on news and news gathering, and his fellow members are Marvin Pitkin and Ann Timberlake. Arthur Samet is chairman of the committee on productive and technical problems and serving with him are Frank Aspin and Caldwell Johnson. Kitty Joyner and Donald Baals are serving with Kayten on the general editorial committee.

Dave Goldenbaum, veteran director, announced that as a result of tryouts held last Sunday, nine LMAL employees have been selected for roles in "Ah, Wilderness!", forthcoming production of the Hampton Little Theatre.

Jack Parkinson, Nancy Wall, Tiny Hutton, Phyllis Parker, Seymour Bogdonoff, Marjorie Patterson, Morton Scheraga, John R. Dawson, and Joe Allen are the LMALites who have been chosen.

The play will be presented only one night, Friday, December 8.

(Continued on page 4)

### Richardson Named To Replace Pace

Rear Admiral L. B. Richardson, Assistant Chief of the Bureau of Aeronautics, has been appointed by the President as a member of the National Advisory Committee for Aeronautics to succeed Rear Admiral E. M. Pace, USN, relieved on account of assignment to other duty. Admiral Richardson has been connected with the aeronautical branch of the Navy since 1924, and was advanced to his present rank in 1943.

### LATEST FIGURES PUT DRIVE AT \$4208

The total effort in the Community Chest-War Fund Drive had netted \$4,208 through last Wednesday. Employees have until Monday, November 6, to help meet the Laboratory quota of \$5000.

Only 1697 workers have made contributions to date. The Tunnel Area leads in participation with \$1,618; Administration is second with \$1,400; and West trails with \$1,135. Contractors' employees in the West Area have given \$55.

### SOLDIERS BEING HIRED FOR LAB

An official explanation of the workings of the Militarization Plan was made yesterday following the almost daily arrival of highly skilled personnel from the armed services.

These men have either returned from overseas or are over 26 years of age. They have been made available under a plan set up to procure skilled personnel for this Laboratory and AERL. They are on inactive status with the Air Corps Enlisted Reserve and, though they will all be placed on active service before final discharge from the Army, they will remain with the Laboratory in their present status as long as their services are needed to meet the present emergency.

Some of these men will fill vacancies now existing at LMAL. Others will be trained to replace men here who are under 26 years of age. Those replaced will be called into active service.

The new plan was formulated when the Army and Navy insisted that the vital work of the laboratories must not be hampered by lack of personnel. It was put into operation when sufficient qualified trained civilians, not subject to induction, were unavailable.

(Continued on page 4)

### IRD Seminar Held Thursdays At 5:30

Members of the Instrument Research Division are conducting a seminar on Electro-Magnetic Theory and Ultra-High Frequency Radio based on "Fields and Waves in Modern Radio" by Ramo and Whinnery. The group meets every Thursday at 5:30 P.M. in the Private Dining Room in the Administration Building. Anyone interested in the seminar is invited to attend. For further information call Shafer at 218.



The LMAL Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor . . . . . Tiny Hutton  
 Managing Editor. . . . Ruth Angel  
 Sports . . . . . Si Diskin, Nancy Shelton  
 Reporters. . . . . LMAL Employees

**USING WHAT WE HAVE**

One of the constant gripes of newcomers and oldtimers alike concerns the lack of recreational facilities in the area. Generally, the complaint is well founded, for it is not denied that local facilities leave much to be desired.

In October, 1942, when no one would attempt to estimate the rate of immigrancy of war workers and military personnel, the Syms-Eaton Community Center was forced to close and turn its building over for military needs. Employees of the Laboratory were sorry to see this happen for it had proven a haven for many a homesick modelmaker and lonesome junior engineer. It had been a place where they could write letters, read books, magazines, and papers, play ping-pong, dance, listen to music, and follow many of their hobbies. It was a place where they could socialize, make new friends. For many, it was the nearest thing to home.

The day the center closed the directors began to plan a new one. This was partially realized with the opening of the Industrial USO, nearly a year later. This USO is doing a fine job, with limited space. A look at its record of past events and its calendar of future plans will make you wonder how they accomplish so much with so little space.

The Syms-Eaton Center now is open again! The Army has moved to other quarters and the building has reverted to civilian use. Eight hobby and recreation groups already have been assigned space to carry out their activities. But rooms are still available for other groups, and plenty of facilities for individual or group recreation. Directors have been obtained to supervise and coordinate nightly activities.

The Center is open evenings from 5 until 11 o'clock. It's there for the use of anyone who needs it and wants to use it. If you are a member of a group that requires a room for meetings, practice, work, or other activities, see Tom Hulcher, Supervisor of Training, who is chairman of the board of directors. He'll help you make the necessary arrangements.

If you're just looking for a place to drop in for relaxation try the Center. It's located on Academy street in Hampton, adjacent to the military USO.

★ ★ ★

**KEEPING IN LINE**

Every afternoon the line of cars leaving the field is always slowed up by some drivers who pull out of line on Dodd Boulevard and try to get back in at the circle, always in a place more advanced down the line.

Nobody likes a cheater. Even though the entire situation is of relatively small value, the fact remains that the fellow who tries to get a better place in line is cheating. An interesting parallel can be drawn with the situation in England, where a person who cheats in a line at a bus or train station is apt to find himself in court.

The best answer we know is to apply the Golden Rule. No one likes to lose his place in line by having someone pull in ahead of him.

★ ★ ★

*Back the attack with War Bonds*

**SEIDMAN'S IDEA  
 MAY RESULT IN  
 NEW REPORTS**

Pilots, airline operators, executives, and other persons vitally concerned with aeronautics, yet who do not have a thorough technical background, may have a chance to benefit greatly by a suggestion made by Oscar Seidman of Stability Research.

Seidman wrote the Engineer-in-Charge proposing that the NACA publish a series of "popular" reports on technical subjects. He pointed out that NACA reports are generally written for technically trained readers and expressed a belief that a series of technically sound, yet simple "popular" reports would provide a larger and better informed reading group among those with a lesser degree of technical training.

Seidman's suggestion was forwarded to Washington where it received favorable comment from Dr. George W. Lewis. It is planned to have these reports written on results that have already been presented in regular NACA technical form.

**NEW PROCEDURE  
 USED IN HANDLING  
 PARKING TICKETS**

A new procedure has been started in the handling of the little white tickets handed out by the guard force for parking violations. These tickets are now prepared in duplicate and one copy kept in the files until the violator reports to the Assistant to the Administrative Officer. The original ticket is then placed in the employee's personnel folder and records of all subsequent violations will also be put there.

Officials have expressed a hope that infringements of parking violations cease so that enforcement will not be necessary.

★ ★ ★

The definition of engineering which expresses the thought of the profession today is: "Engineering is the science of controlling the forces and utilizing the materials of nature for the benefit of man, and the art of organizing and directing the human activities in connection therewith." The twentieth century addition to the definition of one hundred years ago is in the words "and the art of organizing and directing human activities in connection therewith."

--L.P. Alford Engineering Education

## Life At The Laboratory

**HEIR MAIL:** Still a bit shakened from the nerve-wrecking experience, Joe Burke returned to his office Friday, October 27, in an effort to pull himself together before undertaking the responsibilities of the new title that had just been conferred upon him - that of "Papa Joe". "Mama" Pearl and Joe, Jr., are doing fine, but Burke's condition is reported as being critical. However, some change is expected within the next few days. . . . Swelling with pride but apparently none the worse off, Henry Suydam, Tank, passed out cigars in a big way on Thursday, October 26, in honor of his new son, Allen Henry. . . . Israel Taback, ICL, has added to his future staff of NACAs a junior mathematician, Ann Louise, born October 24. Taback reports that she will be ready to report for duty in approximately two weeks; however, this may be a slight miss calculation.

**PARTIES:** Jay Bird's rumba, Timberlake's hula, and fun galore featured the annual Stability Division picnic at Oak Point Lodge Sunday, October 29. The muscle-bound lads and lassies from AWT walked away with the athletic events, and as usual, the Stability Division plaque is hanging in their sacred halls. . . . Feeling that NACA veterans Keffer, Wolf, and Eakin have nothing on them, Ida Young and Viola Ohler, Editorial Office, celebrated their fifth anniversary at LMAL on Saturday, October 28. . . . Hallowe'en proved to be a bang up evening for the personnel of 16-Foot Tunnel. A progressive party throughout the vicinity of Armstrong Gardens and South Hampton was staged. Much gaiety took place and increased as the party went on its rounds, beginning at Jack Ruckel's apartment and finally ending up at Blake Carson's, which was designated as the finishing line.

## BULL THROWS MAN



Shorty Sheppard, of the Maintenance painters, recently journeyed south of the border to No'th Ca'lina. While at the farm of a friend, Shorty decided that the time was ripe for the practicing of one of his favorite sports, that of throwing the bull.

Shorty apparently picked out a bull near his own size. In the picture on the right it would appear that Shorty is on his way down but he informs us that he really showed "that ferocious animule" who was boss.

## Four Men And A Pole

Ernest Johnson, Percy Crain, George Hearn, and Charlie Wolf were out on their boat last Sunday trying to sink a stake so that they could tie the boat to same. Johnson, Crain, and Wolf were in the boat, pulling and hauling on the pole, forcing it into the mud. Hearn was up on top with his feet pushing against it. Somehow or another, he slipped, did a neat forward one-and-a-half to the washboard, and then reversed into a backward somersault into the water. The crowd roared as he plunged to a depth of seven feet. After coming up, he was helped aboard and dried out.



George is receiving sick cards at home; he suffered a badly bunged-up knee.

Percy and Charlie are busily denying accusations that they were trying to shake him off the pole.

## AWT, SHOPS, ALD PRD TAKE GAMES

AWT, 1; Tank, 0 (forfeit)  
Shops, 13; Stability, 0  
ALD-19', 18; Engineering, 6  
PRD, 13; 16-Foot, 0

Shops took over possession of fifth place last Sunday with a 13-0 win from Stability. In the second quarter, Bob Muhly made a 25-yard pass to Tommy Kurtyka on the Stability 25-yard line. Kurtyka ran the remaining distance for a touchdown. . . . Again in the fourth quarter, Muhly made another touchdown toss, this time to Jack Kinzler. Grant placekicked the point.

Behind good blocking from the entire team, Pat Cancro flipped three scoring passes to help ALD-19' down Engineering, 18-6. Deters, Spooner, and Neely were on the receiving end. The Engineering score came on a pass from Schumacher to Vollrath in the last quarter.

Physical Research had an easy time with 16-Foot, winning 13-0. McNulty passed to Jaquis for the first tally after an interception by Bowen had given the ball to PRD. Cannon went through the line for five yards and the second score in the final quarter. Oborny placekicked the extra point.

AWT gained a half-game on Structures with a forfeit from Tank. The Flight-Structures and PRT-8-Foot games were postponed until December 3. Standings:

Team	W	L	T	Pctg.
AWT	5	0	0	1.000
Struc.	4	0	0	1.000
PRD	4	0	2	.833
Flight	4	1	0	.800
Shops	3	2	1	.583
ALD-19'	2	2	1	.500
8'-LTS	2	2	0	.500
Stab.	2	3	1	.417
Eng'g	2	4	0	.333
Tank	1	3	1	.200
PRT	1	3	1	.200
IRD	0	4	1	.100
16-Foot	0	6	0	.000

## classified

WANTED: A small radio, Annette Coope, East Engineering.

WANTED: Electric iron and radio. Nancy Highsmith, Full Scale Tunnel, and Revie Bayer, Impact Basin.

FOR SALE: Blue davenport, chair, unpainted bed, coil springs, mattress, large maple chest of drawers. Evan Schuette, Structures.

LOST: Large black purse containing valuable material. Reward. Sally Mills, AWT.

WANTED: Will pay cash for late model used car in good condition. Evan Schuette, Structures Research.

## FORMER EMPLOYEE VISITS LAB WITH STORIES OF WAR

Frank Kubeck, another of our ex-employees home temporarily from the war, visited the Lab last Wednesday clad in the blue and gold braid of a Junior Engineer in the Army Transport Service of the merchant marine.

Frank spent most of his time with his former associates at 19-Foot, but on his way out he stopped by the Bulletin Office to relate a few of his experiences and to express his thanks for sending the Bulletin.

He left the 19-Foot Tunnel in December, 1942, and since that time has made four Atlantic crossings. His latest trip lasted for eight months and took him into 26 ports, two of them being Toulon and Marseilles during the invasion of southern France.

An invasion was nothing new to Frank, since he had previously had a ship bombed from under him during the Sicilian invasion. At that time he was aboard an auxiliary troop transport carrying munitions. One bright Sunday morning found the men on deck, in harbor, watching the Navy's guns blasting away at German tanks in the hills. In return, the Nazi guns were shelling the ships in the harbor. Early in the afternoon, a squadron of planes came over and the crew thought they were friendly until one of them peeled off and came screaming down at the ship. A direct hit exploded the cargo and Frank found himself with a bucket on his head warding off debris. It seems that the skipper had borrowed his helmet. The ship was abandoned and Frank was among survivors picked up by the Navy.

When asked about post war plans, Frank said that he would like to come back to the Laboratory.

He said that his biggest thrill came when he docked in Newport News a few days ago and found, among a month's supply of Bulletins, that 19-Foot had won the softball championship.

## Little Theater

(Continued from page 1)

Admission will be for members of the Little Theatre only.

Other members of the cast are Stella Colonna, Virginia Edmonds, Crickett Burr, Irene Farster, George Smith, and Tommy Bennett.

Doug King is in particular need of stage hands, electricians, and other technical helpers for the production staff. All interested persons, who favor the technical side of play production, are asked to contact King at Tank No. 1

## PUBLICATION DAY MOVED TO FRIDAY

Beginning with the next issue, publication date for the LMAL Bulletin will be on Friday instead of Saturday. It is believed that news of weekend happenings will be of more value with the earlier date.

The final deadline for accepting copy will be moved up to Tuesday noon preceding publication.

Several new features will begin with the next issue. Be on the lookout for them.

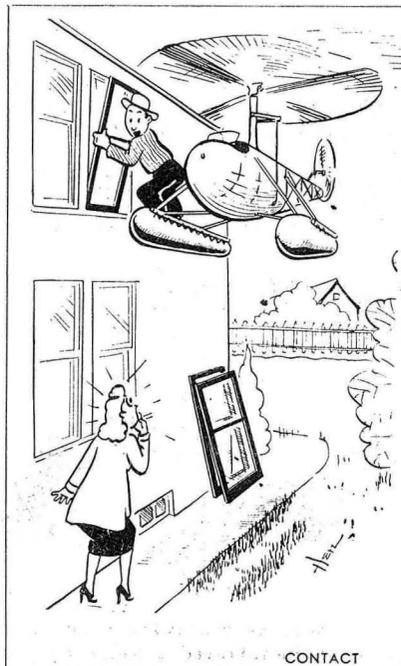
Contributions from employees are still wanted. The staff of the Bulletin would appreciate any articles submitted along news, feature, or editorial lines. Each article contributed will be given full consideration and its use will depend on its content and value. Cartoons and other art contributions are still solicited. If you have an idea and can't draw, submit your thought in rough draft form and the staff will have it put in final form.

## SOLDIERS

(Continued from page 1)

Until some relief in the employment situation is forthcoming, it is anticipated that this plan will remain in effect and that recruits for the Laboratory will be obtained largely from military personnel returned from overseas duty.

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CONTACT

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Save Lives - Speed Victory!

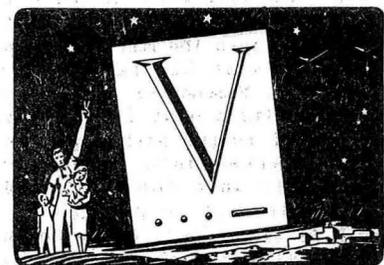
## BRAINBUSTERS CHALLENGED

*Editor's Note: The Bulletin recently received a copy of the following challenge made to the Brain Busters by members of the Hampton Roads Model Club Association. We hope to be able to publish the Brain Buster's reply in the next issue.*

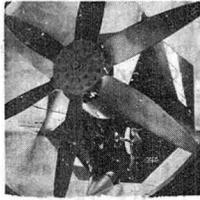
"It was stimulating to note the intense activity which manifested itself at the corner of Victoria and LaSalle Avenues in the recent model activities and we all congratulate you on the conduct of the very successful meet."

"A number of us old timers note with a certain feeling of disappointment that since our reign of activity, advancement in design, efficiency, and overall performance does not appear to have kept step with our anticipated expectations. As a matter of fact, certain doubts have arisen as to whether or not our old standards have been lived up to. We do, therefore, as members of the Hampton Roads Model Association, Local Chapter of the Virginia Model Association, affiliated with the Academy of Model Aeronautics, branch of National Aeronautical Association, do hereby challenge the entire Brain Buster organization to an open contest for Class B gas models, since these are the only motors we happen to have, on December 3, 1944, in the hope of stimulating progress in the local Brain Buster organization by demonstrating their actual weakness and shortcomings in model performance as compared to the standards formerly established by members of the nationally known Hampton Roads Model Association. Should your group indicate the courage necessary to accept this challenge, we shall be happy to meet with your representatives to arrange for final details of the meet."

Signed: Tom (Hurricane) Hulcher, Caldwell C. Johnson, Norman Richardson, W.F. Lindsay, Dick (Has Been) Everett, Phillip Waldo Pepon, William B. Mayo, and Theodore Schindler.



# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 47, Vol. 3

Langley Field, Virginia, November 11-17, 1944

Page 1

### SPORTS SHOW IS SCHEDULED FOR TUESDAY NIGHT

The Hampton Athletic Association will present an exhibition in several sporting activities at their meeting Wednesday, November 14, at 7:30 p.m. at the Syms-Eaton Center. The exhibition follows a period of several months of organizing and getting things in line so the Association may best serve the recreational needs of the community. A large part of the credit goes to Frank W. Long, Director of the Hampton Industrial USO, and Glenn A. Dowling, Director of Recreation for Elizabeth County Club, who played a big part in helping the group get started.

Each activity will be demonstrated by persons who have been trained in that particular field. Included on the program are: Calisthenics, Sam Kelly, PRD; Weight Lifting, Joe Maschi, East Model Shop, and Don Lietzke, Construction; Medicine Ball, Bob Jefferies, IRD; Punching Bag, Len Bartone, Structures; Boxing (tentative), Gus Boughan, Structures, and Bob Hammond, Fort Monroe; and Fencing, Warren Tucker and Pete Rossi, AWT.

The public is cordially invited to attend.

**November 1944**  
 W T F S  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

**NEXT MONTH**  
 1944 December 1944  
 W T F S  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

**COMING EVENTS**

- Nov. 13 - Opening of second Apprentice term.
- Nov. 14 - Hampton Athletic Association Exhibition.  
7:30 p.m., Syms-Eaton Center
- Nov. 14 - Community Bridge Club meeting  
8:00 p.m., Syms-Eaton Center
- Nov. 15 - Basketball League Meeting  
8:00 p.m., Syms-Eaton Center
- Nov. 17 - Full Scale Research Division Dance Hampton Country Club.

Any section or organization planning activities may have them listed on the calendar by calling the Bulletin Office, 376.

### NACA FEATURES SHOWN IN NEW A-26 INVADER

The new Douglas A-26, known as the Invader, is the latest U. S. warplane to go into service, and like its many predecessors, it carries earmarks of its association with the NACA and with this Laboratory.

The official news release said, "Combining heavy fire power and bomb capacity with great speed, this twin-engined Douglas-built plane was designed specifically for either low or medium altitude operations against enemy aircraft on the ground, tanks and troops on the march or in bivouac, towns harboring enemy troops, anti-aircraft emplacements, supply dumps and wharves and naval vessels."

Work on the A-26 was started at the Laboratory as early as April, 1941, and was done in the 19-Foot Tunnel, 16-Foot Tunnel, Spin Tunnel, Flight Research, Cowling and Cooling, AWT, TDT, and Tank No. 2 sections.

E. H. Heinemann, chief engineer for Douglas wrote Dr. George W. Lewis in May, 1943, saying that "performance tests have been completed and we are pleased to report that the airplane (A-26) exceeds its guarantee and expectations in every respect."

According to a subsequent letter received by the Laboratory from Dr. Lewis, the NACA has much of which to be proud. Quoting Dr. Lewis, "Some of the characteristics are: the low-

Continued on page 5

### PLAN LOOP FOR LAB BASKETEERS

Pete Korycinski has announced that the time has come to start making plans for the coming basketball season. Interested section representatives are asked to meet at the Syms-Eaton Community Center, Wednesday, November 15, at 8 p.m.

The Laboratory league was late getting started last year and Korycinski expressed a desire to get things started early this year.

For further information, contact Korycinski at 286 or Frank Read at 251.

### APPRENTICES' NEXT TERM TO START MONDAY

S. Walter Hixon, Apprentice Administrator, reports that the Apprentice Administration in conjunction with the local War Training Office has completed plans for the second term of war training classes for war production workers which will open at the Hampton High School on November 13. These classes will meet on Monday and Wednesday nights from 7 until 9:30 p.m. and will run for a period of five weeks.

The tentative list of courses offered for the second term include: Blueprint Reading, Shop Mathematics, Algebra, Geometry, Trigonometry, Logarithms and Slide Rule, Analytical Geometry, Physics, Mechanical Drawing, Mechanics and Strength of Materials, (Continued), Machine Shop Theory, Sheetmetal Layout, Metallurgy, Use of Handbooks, Simple Aeronautics, Advanced Aeronautics, and Watchmaking.

In addition to the classes listed above others may be offered, provided a sufficient number of employees indicate a desire for such a course and it meets with the approval of the War Training Office. Hixon pointed out that the courses are intended primarily for apprentices, but any employee of the Laboratory who is interested in the training program should contact Azile Simmons, Apprentice Office, telephone 256.

### FINAL FIGURES IN CHEST DRIVE TOTAL \$4721

Starr Truscott, chairman of the Laboratory's Community Chest-War Fund Drive, announced Wednesday that \$4,721 had been subscribed toward the Laboratory's quota. This represents the final figure, except for a few more scattered donations.

The Tunnel Area led in total contributions with \$1,795. Donations came to \$1,606 in the Administration Building Area, and \$1,320 in the West Area.

The quota for the Laboratory was \$5000.

# ON ARMISTICE DAY

As we look back to the first Armistice day, we note how the major news of the day so often is ground up under the milestones of history. Temporal fads and personal problems flatten into forgotten specks. Group hysteria or best-laid plans are pommelled into an unrecognizable inert mass.

Thus an anniversary often loses its significance because it becomes removed from the original purpose. 'Tis so with Armistice Day. Twenty-six years represent about forty per cent of an average lifetime in this country. During this span, the foundations of civilized society have slipped. Top-heavy structure of material progress is cracked because its footings of "the humanities" have been too weak and too ill spaced.

Optimists ogle the crystal ball and predict a new and glorious post-war era. Pessimists prophesy darkness and chaos. But most of us are middle men in deed and thought. Yet our decisions will determine the plan for tomorrow.

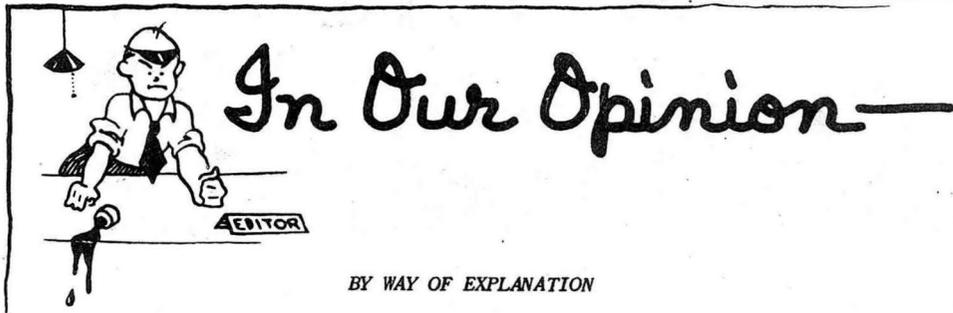
Most of our ancestors were builders in the broadest sense. Their life was stark compared to ours--but less complex. To them, the modern miracles of science and industry were unborn dreams. They griped and disagreed but they developed a habit of building on solid foundations which permitted this nation to grow prosper.

To them, any Armistice Day was a brief pause for prayer and gratitude, after which they would return to work, hard work. But somewhere, somehow we lost the basic blueprint which every nation, large or small, must follow. Too many too often have forgotten the ageless statement of Demonthenes, "It is impossible for men to engage in low and graveling pursuits and entertain noble and generous sentiments".

To us, therefore, this Armistice Day should be a day of rededication and work; rededication to principles and hopes we have so often and so conveniently forgotten until they have disintegrated into dust; rededication to work (and plenty of it) because even the noblest thought can be immobilized by human inertia.

Individually and collectively we

Continued on page 5



BY WAY OF EXPLANATION

In these two columns will appear the editorial opinion of the LMAL Bulletin, This is the space that we will use to present what we hope will be our unbiased viewpoint on situations that affect the Laboratory and its employees.

To the right of these columns is a space that will be reserved usually for a "Guest Editorial". From time to time, we will ask Laboratory employees or others who have expressed a desire to write, to prepare editorials on suggested subjects, or on subjects of their own choosing. We also invite any employee to submit a proposed editorial for consideration by the editors. "Guest Editorials" will be credited to the writer and will not necessarily express the opinion of the editorial staff. However, they must be in accordance with the following policy of the publication.

★ ★ ★

"It shall be the policy of the LMAL Bulletin to provide our fellow employees with official and unofficial news and features in a manner which will promote a spirit of friendliness and understanding through fair coverage of those matters that affect our work and interests."

★ ★ ★

The Bulletin Advisory Committee and its three working sub-committees have met with the editors and have advised us along general publication lines. They have made suggestions as to the content of the paper, and many of their suggestions, representing a cross section of the Laboratory, have been incorporated into the current publication.

★ ★ ★

We have appointed an Art Editor and a Staff Photographer to assist in providing you with a more pictorial and a generally more attractive layout. We have asked several employees to furnish us with written feature material. We again ask every employee to be an active contributor of news items, written articles, drawings, photographs, or ideas or leads for the same. It will be impossible for the editors to cover personally all Laboratory activities every week. Therefore, we must have your help. Get in the habit of becoming a contributor to the Bulletin.

The LMAL Bulletin, an official publication of Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia, is published weekly in the interest of its Laboratory employees. Address contributions to the Editor, Service Building, Telephone 376.

- Editor . . . . . Tiny Hutton
- Managing Editor . . . . . Ruth Angel
- Art Editor . . . . . Dot Severance
- Photographer . . . . . Donald Foster
- Reporters . . . . . LMAL Employees



The recent meetings of the Bulletin staff with the chairman of the Bulletin Advisory Committee prompted Dot Severance's latest art creation. Reading from left to right, as if you didn't know, are Foster, Severance, Angel, Hutton, and Merrell.

# STRUCTURES, AWT CLING TO FOOTBALL LEAD

Structures, 26; Engineering, 0  
Tank, 20; IRD, 18  
AWT, 6; PRT, 0  
Stability, 19; 16-Foot, 6  
Flight, 6; 8'-LTS, 6  
Shops, 6; ALD-19', 6  
*by Bruce Amole*

A full card of games last Sunday made no major changes in the league standings. Structures scored an impressive last half victory over Engineering after two scoreless quarters. AWT, still hampered by injuries, barely got by PRT with a 6-0 win. The boys from 8'-LTS, making their first appearance since their 32-6 drubbing by AWT, showed good form to tie Flight, 6-6. Flight played without the services of Claude Hart and Charlie Forsyth, top running and blocking backs, who were off to Baltimore to see Navy topple Notre Dame. Shops remained in fifth place by means of a tie with ALD-19' in one of the hardest fought games of the season. Stability opened up in the second quarter to down 16-Foot, but the tunnel team from the West Area gave the league its number one surprise of the year by scoring. In the other game, Tank and IRD had one of the most exciting battles of the year. Tank got off to an early lead but, playing without substitution, they showed signs of tiring in the last quarter and barely managed to withstand the final IRD assault.

Structures and Engineering played close ball throughout the first half and neither team was able to score. Then, in the third period, the Engineering defense seemed to crumple and Structures tallied twice, once on a pass from Bartone to Anderson and again on a pass from Boughan to Crate. They came back for two more touchdowns in the last quarter. These were scored on a pass interception by McCracken and a pass from Boughan to Ochiltree. Final score: Structures, 26; Engineering, 6. Paul Marchal played an outstanding game for the losers until he was injured in the third quarter.

Johnny Knemeyer staged pretty much of a one man show against PRT. His 60-yard punt return, after a scoreless first half, accounted for the only score of the game. Late in the third quarter, Nick Mastrocola passed to Sam Vollo who dashed forty yards before he was caught from behind by Knemeyer. This was PRT's most serious threat. The hard charging PRT line kept the AWT backs pretty well tied up, and the consistent long punting of Knemeyer was called on to keep the losers out of pay

LOST: In washroom on second floor of Administration Building, blue enamel bracelet with pink roses on each link. Mary Lee, Duplicating.

# SPORTS



Johnny Knemeyer gets off a booming punt in the AWT-PRT game last Sunday. Art Assadourian is the white jerseyed man nearest the kicker. Other PRT men are Nick Mastrocola (7), Paul Trent (6), and Bob Boswinkle (5). Ray Comenzo is blocking Mastrocola while Pete Rossi ducks away from the ball. The two AWT men in the lower left hand corner are Jack Fischel and Hal Johnson. AWT won 6-0 Photo by Saunders

territory. Final score: AWT, 6; PRT, 0

A pass from Korycinski to Strass clicked for 16-Foot soon after the opening kickoff and they went ahead of Stability 6-0. Apparently bowled over by their own success, they remained scoreless throughout the rest of the game while Everett and company racked up 19 points. In the second quarter, Everett fired two 20-yard passes for touchdowns. Marvin Pitkin was on the receiving end of the first one and Johnny Campbell took thesecond. In the third period, Whitey Bostetter intercepted a 16-Foot pass and travelled 40 yards for the final touchdown. He also dropkicked the extra point. Final score: Stability, 19; 16-Foot, 6.

A third period pass interception by Fred Daum enabled Flight to tie 8'-LTS. 8-Foot went ahead in the first quarter on a 60-yard play that saw Luoma pass to Vincke who lateralled to Beiduk who scored. Final score: Flight, 6; 8'-LTS, 6.

The hard work of two triple threat backs, Bill Muhly and Pat Cancro, highlighted the Loads-Shops deadlock. Both teams threatened several times and Shops tallied first when a second quarter pass from Muhly to Bob Little was good for 25 yards and a touchdown. Shops led at the half 6-0. Loads began to put on the power in the third quarter with Westfall and Spaulding opening up big holes in the line. When the Shop line took hold, Cancro passed to Neely for the score. The hard charging Shop line broke through to block the try for the point. Final score: ALD-19', 6; Shops, 6.

Nine tired men from the Tank watched an early lead dwindle away to almost nothing as the hydro team outlasted IRD 20-18. Tank scored in the first quarter when Jarvis went through center for three yards. A blocked punt had set up the play. Len Damratowski picked up his blocked placement and ran it over for the extra point. In the second quarter, Moe Taubenslag flipped a pass to Edwards for a touchdown and IRD was only one point behind. Tank came back on the first play after the kickoff and a sleeper pass from Damratowski to Stewart was good for a score. The half ended - Tank, 13; IRD, 6. In the third period Damratowski passed to Havens for the final Tank touchdown and placekicked the extra point. Then IRD got going. Taubenslag threw two touchdown passes to Hansen in the fourth quarter, the last one coming when there was only 20 seconds left to play. Both extra point attempts failed. Final score: Tank, 20; IRD, 18

Standings:

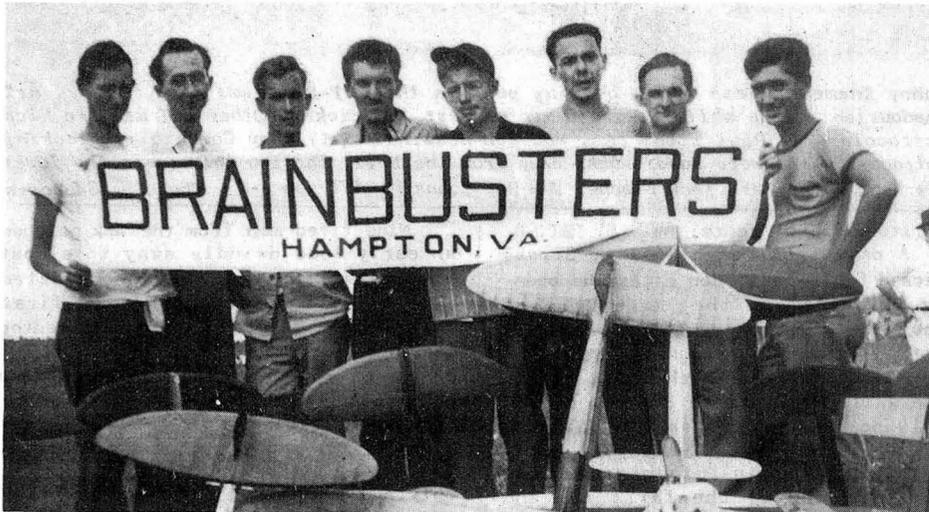
TEAM	W	L	T	CTG.
AWT	6	0	0	1.000
Structures	5	0	0	1.000
PRD	4	0	2	.833
Flight	4	1	1	.750
Shops	3	2	2	.571
Stability	3	3	1	.500
8'-LTS	2	2	1	.500
ALD-19'	2	3	1	.417
Tank	2	3	1	.417
Engineering	2	5	0	.286
PRT	1	4	1	.240
IRD	0	5	1	.083
16-Foot	0	7	0	.000

## LIVE at the LABORATORY

**WEDDING BELLS:** At sundown on Sadie Hawkins Day, Viva Michels, Office of Chief of Mechanical Services, and Texie Belle Felts, Full Scale Tunnel, will drag their innocent victims to "Marryin' Sam". Despite the fact that they exerted all the energy they had, Alvin Brittingham, West Machine Shop, and Jules Miller, Office of Chief of Research, were still overpowered by their dazzling pursuers, Viva and Texie Belle respectively....Noticing something new on Oscar Lappe's third finger left hand, a Bulletin reporter made an immediate investigation only to find that once again the staff had been scooped. Oscar was married October 21 to Viola Mattila, FGDA....Paul Hunter, FRD, also pulled a fast one on the Bulletin staff. He was recently married to Carol Meyers of Charlotte, North Carolina.



**PARTIES:** Centered around the theme of historic Sadie Dearborn Day, the Full Scale Research Division will sponsor "the most outrageously lavish extravaganza of the season" on Friday night, November 17, at the Chamberlin Country Club. Anyone desiring an escort may obtain one "for a redikolusly reezonible fee" from Available Katzoff....ALD had one of their super flings at Oak Point Lodge last Sunday. First prize in the unofficial oyster eating contest went to Helen Wall and Helen Flanagan who consumed equal amounts.



## CHALLENGE OF THE OLD TIMERS ACCEPTED BY THE BRAINBUSTERS

\*\*\*

Not wanting to lower the ego of the old timers too much, the Brain Busters were a bit slow, at first, to accept the challenge recently made by the Hampton Roads Model Association. After much discussion, however, the following decision was made, rushed to the challengers, and submitted to the Bulletin for publication.

"It is very interesting to note that so many old timers have taken such an interest in the model activities which have been going on lately. We feel that the new, active, Brain Busters Model Club has really accomplished a great deal by getting some of the ole gang out again.

"It is indeed a pleasant surprise that the old timers could get up nerve enough to challenge the new, modern model builders. In our opinion, there is no doubt that our new, efficient, and

modern designed models have thoroughly outdone anything the old timers could have put in the air. Since the Hampton Roads Model Association, Local Chapter of the Virginia Model Association, affiliated with the Academy of Model Aeronautics, a branch of the National Aeronautic Association, feels that they want proof of the supremacy of the Brain Busters Model Club not a chapter of the Virginia Model Association and not affiliated with the Academy of Model Aeronautics, a branch of the National Aeronautic Association, we do hereby accept your challenge.

"We sincerely hope that we do not take the urge out of you to build models after we have proven our supremacy on the field of battle. Our group would be glad to confer with you at your convenience to arrange the final details."

## D.T.O.S ENGAGED IN SPECIAL WORK

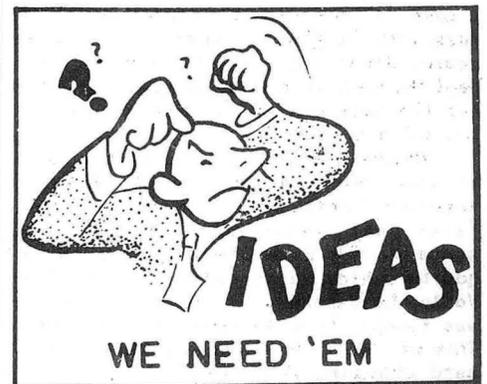
"The staff of the Dynamic Tunnel Operations Shop is busily engaged in making rag dolls!" That staggering statement was delivered Tuesday morning by Dick Everett, supervisor of the shop. A hasty telephone call was made to Joe Shortal who confirmed the story.

Strange as it seems, Everett's cohorts are actually making rag dolls. Tests in the Spin Tunnel have deemed it advisable to determine, for safety's sake, whether the pilot should bail out of a spinning airplane toward the inside or outside of the spin.

Since these tests are made with dynamic scale models of an airplane, the same idea has to be carried out with the pilot. So Everett assigned to Mary Pearson, June McQueen, Olga Atkins, and "Deen" Lilley the job of making 1/24 scale models of a six foot, 200 pound man. These models will be dynamically balanced and the center of gravity correctly located.

Dick said that this was one of the jobs at the Laboratory where women fitted in better than men. He said that his girls are making the dolls out of best quality nylon and are using an Everett-patented overhand buttonhole stitch. His chief worry comes from the fact that none of his proteges are licensed by the International Federation of Buttonholers, Hemstitchers, and Sewing Machine Operators, and that he fears that he may be called up for operating a "sweat shop". "This", he added, "is no slam at our ventilating system."

Both Everett and Shortal were questioned as to the male figure in the Stability Division, after whom the dolls are being modeled. They looked at each other and said that that was classified information, but Shortal winked and replied, "It certainly isn't Neihouse."



Send your cartoons or your ideas for cartoons to the Art Editor, c/o the Bulletin. Draw them up any size (preferably 2 1/4 inches wide, 5 1/2 inches wide or 6 inches wide), but use black ink on white paper. Spread the humor around. Ideas? Cartoons? We need 'em!

# LANGLEY SKETCHES

To the household of John W. Crowley, Sr., in the town of Boston, on the morning of May 24, 1899, there came a lusty squall in a combination Boston brogue and downeast twang. "Gus" Crowley had arrived.

Crowley the boy was interested chiefly in sports and engineering. In his high school days he took an active part in both football and baseball. Engineering won out however, and in the fall of 1916, the name of John W. Crowley, Jr. appeared on the freshman class roster at Massachusetts Institute of Technology. The school did not participate in intercollegiate athletics, but Crowley played second base on his class baseball team. He took his B.S. in Mechanical Engineering in 1920.

August 9, 1921 found him at Langley Field. Fifteen minutes after his arrival, he was escorted to the hangar and taken for an airplane ride by Tom Carroll, then chief test pilot. The plane was the Committee's prize airplane, a Vought VE-7. As well as he remembers it, Crowley says that the usual procedure with new engineers was to try them out with flight acrobatics. If their stomach could stand that, then they could presumably stomach the work. He must have had a good stomach; he's still here.

He was attached to the Flight Research Section and about a year later was made section head, in which position he remained for about 15 years. Among his recollections of his early days is "the Committee's first ditching experiment."

The Laboratory was making some pressure distribution studies on an airship at the Naval Air Station at Norfolk. For a period of a year, it was necessary for a group to make almost daily trips across Hampton Roads. At first, these trips were made in a captain's gig, but this ran aground too frequently. Then they tried the ferry, but that took too long. Finally a "Jenny" was assigned to them for the trips. One day, Smitty De France, now Engineer-in-Charge at Ames, was piloting the ship, with Crowley as passenger, when the motor quit over Fort Monroe. Their first thought was to try for the beach, but that was crowded with bathers. Since they had no parachutes, the only other thing to do was to land in the water. (Ed. note: We say "land in the water" because the term ditching was not being used then.) De France set her down gently in shallow water, and the two boys were dunked. The ship was a total loss, due to water damage, but the flyers waded ashore.

Crowley himself explains how he was tagged with his nickname. There was a fellow here called Gus who was transferred. When he left, Crowley's roommate thinking that Gus was too good a name for the Laboratory to be left without, tagged it on him.



His athletic prowess came into play again in the middle twenties when the NACA baseball team was raising havoc with other local nines. Among his teammates were Mel Gough, Lefty Forrest, Stumpy Howard, Percy Keffer and Johnny Bergbom. Gus modestly says, "I was star second baseman and manager."

Four years ago he was made assistant to Elton Miller, then Chief of the old Aerodynamics Division. When the Laboratory was reorganized last year he was elevated to the position of Chief of the Research Department. He is currently Acting Engineer-in-Charge in the absence of H.J.E. Reid.

In 1930 he married a local girl, Margaret Wells, and they are the proud parents of two daughters. He is a fellow of the Institute of Aeronautical Sciences, a member of Kiwanis and an ex-commander of the Hampton Yacht Club. His hobbies run to golf and boating and fishing. However, due to the pressure of work recently, he has had to cut down on his leisure time and consequently spends most of what is left on his 38-foot cabin cruiser, Cherie. He is quite a fisherman, having gone after and come back with some of the

## SERVICE NOTES

There was little in the mailbag from our servicemen this week. John Harrington wrote in from "a beautiful coral island in the Netherlands East Indies" and Gene Hicks dropped us a line from Alameda, California.

John says that all the GI's on his paradise are getting a big kick out of trading with the natives. He has just returned from a month's course at a Pratt and Whitney Aircraft Engine Overhaul School in Australia. John is with the 20th Mapping Squadron of the famed Hawkeye Group.

Gene Hicks' epistle was bubbling over with its usual enthusiasm, and it was almost possible to see his carrot top and cheerful grin between the lines. His chief causes for joy are his recent jump to Seaman First Class and the possibility of a leave in the near future.

## DOUGLAS A-26

(Continued from page 1)

drag wing, the new high-speed NACA cowl, the double-slotted flap, and the sealed aileron."

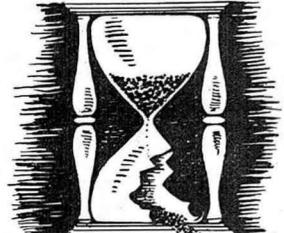
John W. Crowley, Jr., Acting Engineer-in-Charge said, "The A-26 represents a job of which every member of the Laboratory staff can be justifiably proud. It represents a mighty part of an air armada that will lead to victory."

## ARMISTICE DAY

(Continued from page 2)

need to be free from prejudice, more aware of our resources and strength, better trained to use them judiciously. The old concept of Peace will not do. The new must be dynamic and permanent.

DON'T  
WASTE  
TIME;



WE CAN'T  
BUY IT.

"big fellows" off the Florida coast. His best local catch to date is a 65 pound bonito, which any local angler will tell you is a good sized piece of fish.

# DOUGLAS INVADER TESTED IN NACA WIND TUNNELS



## WELCOME MAT LAID DOWN FOR SOLDIERS BY MILLER

Bert "Leatherlip" Miller who has built up quite a following as the hot trumpet man with local jazz bands, is now starting off in a new field, that of "boogie woogie bugle boy of West Sheetmental".

Bert, or "Boit" as it were, has cast a philanthropic eye at many of the new ex-servicemen coming to work, and wondered how he can do his bit to help them get adjusted. He told our reporter the other day, "I been thinkin', see, and I figure that some of these

Joos is perhaps sad about leaving the Army so sudden like, and I thought I would like to make them feel at home as much as I can. So I think to myself, if I was in the Army and I was taken out to work for the NACA, what would I miss the most? The answer is so simple, that I couldn't figure out why I even had to think. It's the bugle blowing at me fourteen hunnert different times a day."

He went on, "Now I can't do this thing as well as the Army can, but I can give some of the boys at least one bugle call a day. I guess the best call to blow would be reveille, so that's what I'm gonna do. If any of these boys are on the seven o'clock shift, and would like to be awakened (you thought I would say 'woke up', didn't you?) by a bugle, all they have

up with such early morning serenades, it might be a good idea to start a special training course for other local landladies. Tom Hulcher was not available for comment."

By way of a parting shot, Miller added that his services are also available for solos at christenings, church socials, Oak Point picnics and weddings; rates furnished on request. "However", he hastily reminded, "the reveille bugle blowing is strictly for free".

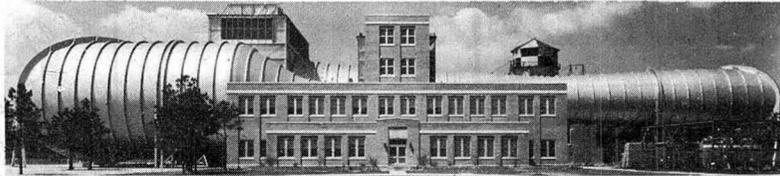
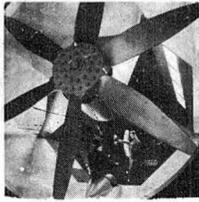


to do is to call me, listing their name and home telephone number. Then each morning, at six a.m. I will call them up on the telephone and when they answer I will blow reveille. I hope they like it."

Ed. Note: This new service for employees is being done on a voluntary basis, and is of a semi-unofficial nature. Laboratory officials declined to comment on the possibility of having Bert transferred to Personnel Services, saying that they would rather see how Miller's landlady will take it. One official, who shall remain anonymous, stated that if his landlady would put



# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 48, Vol. 3

Langley Field, Virginia, November 17, 1944

Page 1

### BOWLING LEAGUE READY TO ROLL

With the completion of the new alleys at the Wythe Recreation Center, the LMAL Bowling Leagues are ready to start competition Friday, November 29.

Three leagues are planned for this year, men's tenpins, men's duckpins, and mixed duckpins. The tenpin league will roll on Wednesday and Friday nights at 9 o'clock. The mixed duckpin league will roll on Wednesday and Friday at 6:30 and the men's duckpins are scheduled on Thursday at 9 p.m.

Bowlers are urged to use the next week for practice to establish averages for handicaps.

### LAB NOW HAS WEATHER MAN

In an effort to forestall anyone's getting lost in a fog hereabouts in the future, Mel Gough, Chief of Flight Research, has announced the establishment of a meteorological office.

The new office is operating under the direction of Bob Souter and is a part of the Flight Operations and Maintenance Section.

The office will have on hand weather forecasts and other meteorological information that is necessary to the operation of Laboratory activities. Information will be furnished on request, preferably through the division chiefs. The telephone is 2223.

From now on, all hurricane scares will be official.

### THE MP'S WILL GET YOU IF---

New parking regulations for Langley Field have been formed and now are being enforced on the order of the new base commander, Colonel E.W. Raley. The NACA has been asked to cooperate in the following regulations.

*All parking areas will be distinctly marked. Areas not to be used for parking will be so marked in order that there will be no question in a person's mind as to the restrictions placed on*

(Continued on page 4)

### SIXTH WAR LOAN DRIVE TO START MONDAY WITH GOAL OF \$214,492

#### DITCHING MOVIES SHOWN TO STAFF

The Training Division announces that the film on the ditching of the B-24 is now available for showing to Laboratory employees. Several previous projections have been made in various sections throughout the Laboratory, and other persons wishing to see it may contact the Training Division, telephone 2253.

Besides the film on ditching, there are also available movies of general interest, such as "The Battle of Russia" and films of value for training purposes such as "Telephone Efficiency." A complete list of the films may be obtained from the Training Office.

Any section interested in seeing a selected film may contact the Training Office, which will make arrangements for a showing during lunch period.

#### FEDERAL COURT WARNS THIEVES

The criminal division of the United States Court, Eastern District of Virginia, announced in Norfolk on Monday, November 13, that a new policy of prosecuting all well-founded complaints involving theft of government property had been instituted in a move to break up widespread thievery from government facilities in the jurisdiction of the court. This new policy will also apply to complaints involving thefts of personal property on government reservations.

The Norfolk Virginian-Pilot reported "While no official estimate of the loss by such thievery is available, it is thought by some observers that it will run into thousands of dollars each month."

Any Laboratory employee who knows of any person who has illegal possession of government property is asked to contact Charles Barnett, Security Officer, telephone 2232.

With the goal set for \$214,492, the Sixth War Loan Drive will get underway at the Laboratory on November 20 and continue through December 16. Headed by Starr Truscott, the campaign will follow the same general procedure as in previous campaigns. Joe Kotanchik will be in charge of the drive in the West Area, Ira Abbott, Full Scale Area, and Clyde Lumpkin, Administrative Area.

Laboratory employees are being asked for 35 percent of the gross payroll; however, the amounts purchased by payroll allotments during the months of November and December may be credited. The actual cash bond purchase desired will amount to approximately \$54,932.

When interviewed by a Bulletin reporter, Truscott made the following statements concerning the importance of the drive.

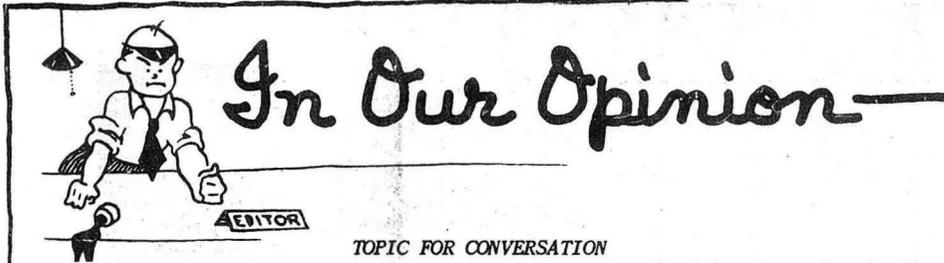
"The need for this money by our Government should require no explanation. The war in Europe is not ending, as many of us had hoped, and just when it will end is still on the knees of the gods. Meanwhile, the Pacific war goes into high gear with demands for supplies and munitions jumping to correspond. The cost of getting these materials to the front is increasing just as fast.

"If we want our men to make the progress for which we hope, there must be no slackening in the flow to them of those things that make possible their advance with a minimum of casualties and a maximum of speed.

"The money with which to ensure that continued flow of men and materials must likewise continue to flow without slackening. This Laboratory has shown its appreciation of this fact before. Let's keep our record high and buy more Bonds!

"Incidentally, this is where those who have equalled or exceeded the desired amount of 15 percent in purchases by payroll allotment 'get the jump' on everyone else. If they have made a 17.5 percent allotment, they will have purchased their share of the Laboratory's quota by allotment. Just another reason for making the purchase by allotment as

(Continued on page 4)



TOPIC FOR CONVERSATION

Last Saturday we journeyed forth to visit our kindred brethren in the West Area to find out how the other half lives and what it thinks and talks about. Saturday afternoon in the West Area is about the same as Saturday afternoon any place else nowadays. However, a few of the old thoughts of crisp November afternoons, stadiums packed with cheering throngs, thousands paying homage to King Football---these were evident in the minds of many, for the boys in the Structures Lab were talking about beating the Shops in Sunday's touch football game, and the boys in the Machine Shop were vicing versa.

We dropped down to the office at the Sheetmetal Shop at 3:30 (to see if anybody on the incoming shift knew the latest score of the Army-Notre Dame outrage) and there encountered several employees engrossed in that good old American custom, pastime, and privilege - griping. No, the topic wasn't pay; no one was trying to get off night shift; instead, all were complaining about the condition of the Hampton-Yorktown highway.

This road is filled, it seems, with many holes and depressions that play havoc with the tires of automobiles loaded to the gills with West Area workers, to say nothing about what they do to the workers themselves.

We investigated the matter and found the following truths to be self-evident. The highway is in sad shape. It was never intended to be put to the use of the heavy traffic that has been running over it, particularly since the new construction program was started. The heavyrolling of loaded trucks and transit mixers has done much to bend and break the thin asphalt covering.

It was learned from the local office of the state highway department that plans were made for a new road nearly two years ago and submitted to the War Production Board for approval. They were turned down. They were submitted again and this time were approved by the WPB. However, they were disapproved by the War Labor Board because of the critical labor condition existing in this area at the time.

A new request has been made, this time asking for authorization to build that part of the new road that coincides with the location of the existing road, and to resurface the rest of the Hampton-Yorktown highway with a temporary asphalt covering. This request is now pending.

Until action is taken, the highway will be kept in its present condition of temporary repair, so the highway office says. This consists of digging out the bad places andrefilling them with gravel, clay, and other local materials. This serves the purpose until rain falls and then traffic rolls by, and then the holes are back again. Then they begin to play the aforementioned havoc.

The administration here is solidly behind the proposal and has endorsed the requests. All of us, as Laboratory workers and as citizens of the local community should support the project. We take up the battle cry of the West Area. "We want a touchdown--sorry--we want a new road!"

PERSONAL SECURITY

It has come to our attention that certain employees make a practice of endorsing their pay checks, putting them in an envelope addressed to a bank, and dropping them in their section distributor for mailing. Several checks have been lost in this manner.

It seems strange that persons coming in contact with government security day by day would not practice more personal security.

If you must mail your check to the bank, write on the back, "for deposit only". Then you're protected.



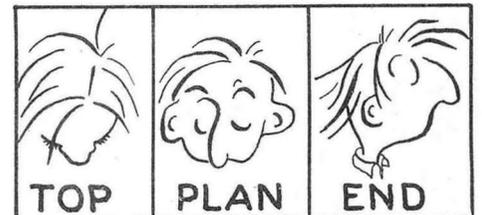
In considering the unfortunate shortage of technical personnel, it has occurred to the Bulletin staff that among the many non-professional workers at the laboratory, there undoubtedly exists a hidden store of potential engineering talent. In the hope that some of the latent talent may eventually be utilized, we have decided to present a series of brief discussions designed to assist heretofore untrained individuals to qualify as bona fide NACA engineers in ten easy lessons, or five hard ones. The articles, the first of which appears below, will be contributed by authorities on the selected topics.

I. Appearance

Proper appearance goes a surprisingly long way toward identifying an individual as a research engineer. In order to pass successfully as an NACA engineer one must look like an engineer.

A true engineer is never seen publicly without the impeccable attire of a third-string tackle on an elementary school junior varsity. True, a degree in engineering is of some value, but only of secondary importance to the plaid woodsman shirt, the hamburger-sharp pants crease, and the unraveling sweater that identify the research scientist.

Adoption of a sound policy toward tonsorial activities is a necessary step in the development of an engineering appearance. Barber shops must be carefully avoided except for an occasional operation on the eve of a leave.



(In some professional circles, it is considered permissible near Green Cow time to visit a barber for an estimate.)

It should be remembered that NACA engineers are sometimes called upon to attend conferences with high-ranking military personnel. For this reason, a wise engineer will keep a necktie in the upper left-hand drawer of his desk, carefully pressed between volumes of Durand and Superman. Although rarely needed, the tie may serve to identify the engineer as possible officer material in the eyes of the Army representatives;



(Continued on page 4)

The LMAL Bulletin, an official publication of Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia, is published weekly in the interest of its Laboratory employees. Address contributions to the Editor, Service Building, Telephone 376.

- Editor . . . . . Tiny Hutton
- Managing Editor . . . . . Ruth Angel
- Art Editor . . . . . Dot Severance
- Photographer . . . . . Donald Foster
- Reporters . . . . . LMAL Employees



# SPORTS

Flight, 28; AWT, 0  
 ALD-19', 20; PRD, 0  
 Structures, 13; Shops, 7  
 Tank, 12; 16-Foot, 0  
 8'-LTS, 13, Engineering, 6  
 IRD, 6; PRT, 6

Two previously unbeaten teams, AWT and PRD, were dropped by Flight and Loads respectively, and the Structures goal line was crossed for the first time to highlight last week's games in the touch football league.

### FLIGHT TOPS AWT

Claude Hart stole the show in Flight's win over AWT. He passed for all four touchdowns, two to Jim Thompson, and one each to Charlie Forsyth and Jack Reeder, kicked one extra point, and played a stellar defensive game as well. The Flight power was too much for the AWT boys, who were playing without five of their first stringers.

### CANCRO LEADS LOADS

Pat Cancro passed for two touchdowns to Deters and Neely, ran over a third, and kicked two extra points to highlight the ALD-19' victory over Physical Research. The game wasn't all Cancro however, for the hard rushing Loads line bottled up the touted PRD passing attack.

### STRUCTURES SCORED ON

The fighting Shop team did what no other team has been able to do this year, score on the league leading Structures team. Structures scored on two long passes, Dobrowski to Anderson and Bartone to Anderson, to provide the winning margin. The Shop tally was made in the final period on a pass from Muhly to Kinzler. Shops lost a fine chance to score when the first half ended with the ball in their possession on the Structures two yard line.

### TANK DROPS 16-FOOT

Bruce Amole's boys became the

eighth team of the year to take advantage of the hapless 16-Footers. A short pass, Damratowski to Eales, scored first for the winners in the opening period. The other touchdown was made in the third quarter when Havens intercepted a 16-Foot pass and ran it back 25 yards. The game was one of the cleanest played all season.

### 8-FOOT MOVES UP

The 8'-LTS team moved just below the League leaders by virtue of its win over Engineering. The famed 8-Foot passing combination, Luoma to Vincke, accounted for the first touchdown in the first quarter. Another pass, this time Vincke to Liccini, tallied in the third. Fedziuk converted. The Engineers' score was made in the fourth period on a pass from Schumacher to Rogers.

### PRT, IRD TIE, 6-6

The tie game enabled PRT to climb one step out of the lower depths of the league standings to tenth place. IRD remained next to the bottom. IRD got going in a hurry, and a pass from Taubenslag to Jeffries drew first blood early in the first quarter. PRT tied things up in the third on a pass from Nichols to Mastrocola.

### Standings:

Team	W	L	T	Pctg.
Structures	6	0	0	1.000
AWT	6	1	0	.857
Flight	5	1	1	.786
PRD	4	1	2	.714
8'-LTS	3	2	1	.583
ALD-19'	3	2	2	.571
Shops	3	3	2	.500
Stability	3	3	1	.500
Tank	3	3	1	.500
PRT	1	4	2	.286
Engineering	2	6	0	.250
IRD	0	5	2	.143
16-Foot	0	8	0	.000

★ ★ ★

## LIFE at the LABORATORY

**WEDDING BELLS:** The big surprise of the season came when Ann Timberlake walked into AWT this week with a new diamond. After snooping around for a couple of days, it was finally revealed that the other party was Bill Boatwright of Full Scale Tunnel. Jimmy La Hatte, who feels that he played quite a big part in the affair, is strutting around with a cigar and saying, "And to think, I introduced 'em". The wedding will take place at Ann's home in Fredericksburg on Saturday, November 25, and of course La Hatte is best man...Despite the many warnings and pleadings from other married members of the FGDA section, Joe Herrig did it anyway. He was married October 31 to Mary Kay Kraner in Ottumwa, Iowa...Lenore Wollard, Low Turbulence, proved to be a little swifter on Sadie Hawkin's day than her other competitors. She caught her man, Jay Cahill, Low Turbulence, early in the morning and dragged him to marryin' Sam.

**HEIR MAIL:** Charlie Barnett, Security Officer, is still recuperating from the birth of his son on Saturday, November 11. The latest report on the case reads as follows, "Mother and son doing fine, Barnett in bad condition."

**MISCELLANY:** According to the latest report, Jules Miller is having a hard time adjusting himself to married life. He was in Richmond Monday introducing his wife as "Miss Felts"...The Erection Shop had an oyster contest at Oak Point Lodge last Sunday. All contestants tied for first place.



## FORMER CHAMPS PREP FOR MEET



Stealthily stalking, and stealing the season's sensational shot, sans sound, Dick Everett walked into the Bulletin Office Tuesday morning and handed over the above photographic proof that the "has beens" of the Hampton Roads Model Association are hard at work in preparation for their coming challenge contest with the current champs, the Brainbusters.

Norm Richardson, IRD; Tom Hulcher, Supervisor of Training; and Caldwell Johnson, East Engineering, are the three aged model builders appearing in the picture taken at their secret workshop, high in the hills of Buckroe Beach. Everett had to sneak up on them in order to get the picture, because all members of the group naturally shun publicity. However, when they were shown that the photo gave away none of their trade secrets or showed any of their new "revolutionary designs", they agreed to its publication.

Once they became accustomed to the idea of having their picture in the paper, each began bringing out his favorite snapshots and wanted them included. Caldwell had several pictures of his baby; Hulcher came forth with a shot of his boat; but the whole idea had to be abandoned because Norm had left his wallet home in his other pants and had no snapshots with him.

The H.R.M.A. group was extremely talkative and made many predictions about the outcome of the meet. Johnson, a very deep thinking man, leaned back on his stool and said, "As I have heard my father say on many, many similar occasions, quote we shall see what we shall see."

Richardson added, "Ditto."

Hulcher quipped, "What this country needs is a good cigar, for a nickle."

"What this room needs is a good cigar, period", sang out Johnson.

At this, the three men made some generally uncomplimentary remarks about their work being interrupted and refused further comment. The only thing we could drag out of them was something about, "We'll show them Brainbusters!"

# LANGLEY SKETCHES

In the upper northeast corner of the 8-foot High Speed Tunnel building, overlooking the majestic waters of the Back River on one side and the exterior of the tunnel on the other, there sits the dynamic boss of the Compressibility Research Division, one John Stack. A marked man since infancy (because he has no middle name) he has come a long way.

The dynamic life of Stack dates back to the day he was born, September 13, 1906, in the town of Lowell, Mass. When questioned about the beginning of his Bostonian way of speaking he said, "I have no Bahston accent; I have spoken English all my life."

Stack, the elder, was a construction man, and Stack, the younger, spent much of his after-school time and many of his summer days doing various semi-skilled construction jobs. He mixed mortar, ran a concrete mixer, and did anything else that the union didn't object to, providing there was a union around to object.

He also found time to work up a keen interest in radio and became affiliated with station 1LL, which was logged in England and Holland in 1922. There was also a brief experience with novice motorcycle racing and hill climbing which came to a rather untimely end when he took his father for his first ride and Stack, senior, was thrown.

Putting aside his youthful pastimes and high school diploma, John Stack entered the Massachusetts Institute of Technology in the fall of 1924 to study Architectural Engineering. It was not until he returned home the following summer that his father found that John had been studying Aeronautical Engineering. The outcome of the ensuing scene is best shown by the fact that John's degree came three years later in Aeronautical Engineering.

He had come in contact with the Committee during his college days and made application for a job. He was hired and on July 15, 1928, when the steamer docked at Old Point, John Stack made his debut on the Lower Peninsula. He remembers the day well and says that it was the hottest he has ever seen. For a few moments, he thought of reboarding the boat and returning to the place from whence he came but these thoughts were put aside by the appearance of a venerable streetcar bound for Hampton. He boarded this noble conveyance and instructed the motorman to go post haste to the nearest hostelry. He was deposited in front of the Hotel Langley and again entertained notions of going back. (Ed. note: This hotel was not the modern establishment it is today.)

Stack came on out to the Field, met Mr. Reid, and was taken in to see Elton W. Miller, Chief of Aerodynamics. Miller had him escorted around the Lab to take a look at the research activities, AWT,



VDT, PRT, and the Flight Section. Upon his return, he was asked where he would like to work. "VDT", says Stack.

"Good", says Miller, "I had already decided to put you there." So Stack went to VDT. Stack reminds us that 'these were the pre-conference days when things got done fast.'

He was given a rousing first impression of the activity of the section when he first walked up and saw Geroge Higgins, section head, and Harold R. Turner, Sr., engaged in a brawl.

In his 11 years in the VDT outfit, Stack found time to learn a good bit about high speed flight, work on the design of our first high speed tunnel, and take part in the Laboratory rifle league. He is very proud of the showing that the VDT team made in winning the league championship. He still shoots very well, when he has the time, and his latest national score was 99.60, based on a season's shooting.

Stack worked on the design of the 11 inch tunnel, first of our high speed tunnels. He still carries a copy of the letter of authorization for the tunnel. It was described as "a full-scale high-speed wind tunnel, approximate cost \$2,000, not including the valence."

In 1939, he moved down (or up) to 8-foot, and has held forth there ever since. When the compressibility Research Division was formally organized last year, he was made chief.

He is a married man, having taken his vows with a New England girl, Helen Sturtevant, December 8, 1928. They have a son and a daughter.

John Stack is a man who seldom fails

## HOW TO BE....

Continued from page 2

its maintenance is therefore well worth while in the light of possible future developments. In the off-season between meetings, the engineer's neck remains comfortably unfettered, permitting free movement of the Adam's apple during explanations of data discrepancies.

In closing, it is advised that potential engineers acquire the animated, enthusiastic facial expression of the true scientist, often referred to by teachers of dramatic art and pantomime as the look of the undernourished pallbearer. K-10

(Ed. Note: This is but the first of what we hope will be a long line of articles on this subject. However, we can set no definite date on the appearance of the second).

## WAR LOAN

(Continued from page 1)

large as we can. But even these fortunate one should find it possible to buy at least one more bond in cash for this campaign.

"Let's buy our Pacific War Bonds now and keep on buying until we buy the final Victory Bonds!"

## PARKING

Continued from page 1

parking. Streets or side streets or any other place restricted for parking will be so marked with the curbing painted yellow or with signs in sufficient numbers to avoid any misunderstanding. All parking areas on hard surface will be painted with lines for each car. Gravel and sod parking areas will have a sign designating the angle at which to park.

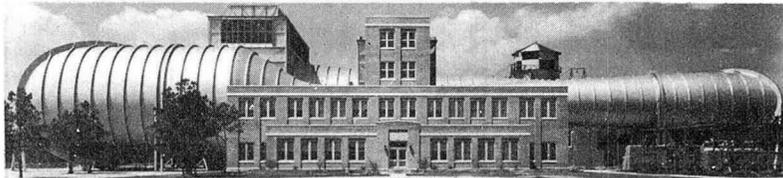
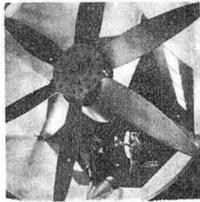
All violators will appear before the Langley Field traffic court in Room 117, Base Headquarters, at 7 p.m. each Monday. Failure to appear at court will constitute a second offense, and punishment will be rendered accordingly.

On the first offense the violator will be warned and required to become familiar with the parking regulations. The second offense will be punishable by restricting the use of the car on the reservation for a period of one week. More than two offenses will be handled specially.

LOST: A book, "An Introduction to The Theory of Functions of a Complex Variable", by E.T. Copson. Please return to R.H. Wright, 8-Foot.

to get his point across. He speaks with an authoritative tone and emphasizes with gestures that make you think his index finger will go off at any minute. His place in the field of aeronautics is unquestioned. He is a fellow of the Institute of Aeronautical Sciences and is regarded as a top authority on high speed flight and compressibility.

# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 49, Vol. 3

Langley Field, Virginia, November 24, 1944

Page 1

### ARNOLD SPEAKS AT CLEVELAND ON AIR POWER

General Henry H. Arnold, Commanding General of the Army Air Forces, visited the Cleveland Laboratory on November 9 and in an address to AERL employees emphasized that they have a dual task before them. He said, "You've got a job ahead of you to keep the Army and Navy forces equipped with the finest equipment you can for this war. You also have the job of looking forward into the future and starting now those developments, those experiments, that are going to keep us in our present situation - ahead of the world in the air".

"We in the air force", he stated, are duly appreciative of what the NACA has done for us. When we get stuck in a development problem; when we look forward into the future and try to anticipate the activities of some other nation, or to be ready for the develop-

Continued on page 5

### STACK CHOSEN TO DELIVER WRIGHT BROTHERS LECTURE DECEMBER 17



John Stack

John Stack, Chief of the Compressibility Research Division, has been chosen to deliver the eighth annual Wright Brothers Memorial Lecture at the meeting of the Institute of Aeronautical Sciences in Washington on December 17, commemorating the forty-first anniversary of the first flights by Wilbur and Orville Wright.

Stack is the first member of the Langley Laboratory staff to be selected to deliver one of these lectures which are regarded as the most significant series on aeronautics to be given in this country and the second most noteworthy in the world.

Taking the cue from the Wilbur Wright Memorial Lectures, inaugurated by the Royal Aeronautical Society in 1912, the Institute of Aeronautical Sciences started this series in 1937. They have followed the procedure of having a well known foreign expert and an American alternate year by year. B. Melvill Jones, who visited the Laboratory this summer, gave the first Wright Brothers lecture at Columbia University in 1937. William Scott Faren, Director of the Royal Aircraft Establishment in England made the talk last year. Among the native research

Continued on page 2

### HITLER'S EMBLEM SELLING BONDS

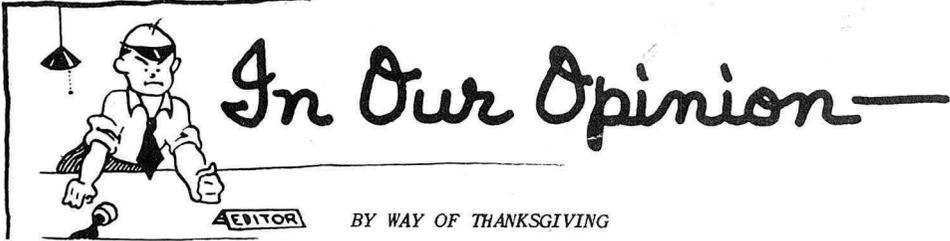


Shown above is a captured German swastika which is being used by the Reproduction Section in the bond drive. In the picture are Pat Anderson (left) and Doris Avery (right) solicitors for that section.

### MESSAGE TO MEN IN ACER

Within the last week, the Engineer-in-Charge has received numerous inquiries concerning the administration's policy on replacement of Laboratory employees under twenty-six years of age who now are on inactive status with the Air Corps Enlisted Reserve.

Mr. Crowley informs the Bulletin as we go to press that a letter shortly will be sent to each ACER employee concerned, summarizing the status as of that date. It is expected that these letters will be in the hands of members of the ACER before December 1.



How much more we have to be thankful for this year than other nations! Yet we tend to let our own petty gripes blur the picture. We gripe because we are asked to purchase war bonds, yet we should be thankful that we have that privilege - a privilege that has spared us the specter of inflation which now stalks in so many invaded countries. In Greece, for instance, within the past two weeks the drachma has become the most depreciated currency in financial history: 22 trillion for one gold sovereign.

We gripe because we have to stand in line at the cafeteria for food. At least we have been spared the burden of having it ladled out to us by a conquering army. We gripe because we can't get enough gas to take that week-end trip back to Alma Mater to see the current crop of footballers do-or-die for dear ole Siwash. At least we have ample gas for our car pools to get to and from work; at least we have football games.

We should be thankful that we are free Americans - that we have bread to eat - that we can express our opinions freely - that we can give thanks in any church of our choosing - that we have the God-given treasure of free initiative.

Now at Thanksgiving we should give thanks for a year of national strength and unity of purpose. Free American soldiers have proven themselves unconquerable; free American airmen have taken the lead to spearhead the world-wide attack; free American sailors have done an outstanding job in clearing the seas for our men and our war materials; free American industry has accomplished the impossible.

Individually, we give thanks that we have had the chance to serve; that America has been spared the devastation of an actual battle field, that we have been spared the multiple misery other nations have known.

But thanks are not enough. We must determine anew that what we have helped to gain will not be lost. Providence has been kind to us, but Providence is kind continuously only to those who deserve it. We must justify again the gratitude we feel for a job well done, for a fight well fought, for a year well spent.

**A NEED FOR COOPERATION**

Every so often we employees are requested to abide by the parking regulations. We very often complain about them and frequently fail to abide by them, getting caught sometimes and getting by sometimes. Another request has drifted into the Bulletin Office lately and we thought it worth while passing it on to you.

Employees are asked to refrain from parking their automobiles under any of the wind tunnels. When this was brought in, we were puzzled about the purpose of it until the fire chief drifted in. He pointed out to us that cars, under the strain of heavy wartime use, frequently catch on fire due to frayed wiring or other causes. The damage to the cars is relatively slight, but (here comes the clincher) if a car caught on fire while parked under a wind tunnel the inside of the tunnel stands a good chance to be warped out of shape so badly that it would be unavailable for use for months.

We feel that this is worth our cooperation.

The LMAL Bulletin, an official publication of Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia, is published weekly in the interest of its Laboratory employees. Address contributions to the Editor, Service Building, Telephone 376.

- Editor . . . . . Tiny Hutton
- Managing Editor . . . . . Ruth Angel
- Art Editor . . . . . Dot Severance
- Photographer . . . . . Donald Foster
- Reporters . . . . . LMAL Employees

**LONG SAYS USO IS GOING STRONG**

The Industrial USO, which plays a big part in the organizing and re-opening of the Syms-Eaton Community Center, is still functioning in its usual brisk manner on North King Street. When interviewed concerning the opening of the Community Center, Frank M. Long, Director of the USO, made the following statement.

"The revitalization of the Syms-Eaton Community Center should be heralded with enthusiasm by the entire population. It is right back in its old haunts, and the organizations that functioned in the Syms-Eaton School Building are beginning to take on new life. But the finest thing about the whole proposition is that the City County Recreation Association under Glenn Dowling and the Industrial USO are working with the Syms-Eaton Community Center to make the building in reality a Community Center. The USO, of course, is looking to the day when it will have to fold up and leave the other two to carry on.

"As yet, however, the USO is far from folding up. It has direct charge of several activities in the Syms-Eaton Building, besides maintaining the Center at 108 N. King Street. Some of the more active games will go to the Syms-Eaton building, but the club room, Library, pianos, sewing machine, etc. will still function at the N. King St. center."

The Syms-Eaton building is open every weekday from 5 to 11 p.m. The gym room is being used and plans are underway for a pingpong tournament. Anyone interested in becoming a member of the club may contact Tom Hulcher, Training Office.

**STACK**

(Continued from page 1)

men to be singled out by the Institute was the late Edmund T. Allen, who presented the lecture in 1942, a few months before his death.

Dr. George W. Lewis, Director of Research, delivered the twenty-seventh of the Wilbur Wright series in England in 1939.

Stack's lecture will be presented at the auditorium of the United States Chamber of Commerce and will be made on the subject, "Compressible Flows in Aeronautics." He is regarded as one of the top authorities on high-speed flight and compressibility phenomena.

LOST: Green compact of sentimental value. Diameter approximately four inches. Finder please contact Bulletin office.

WANTED: Ride for two to Rochester, New York around December 20. Marjorie Webster, 8-Foot.

FOR SALE: 16 foot Kayak and double end paddle. \$22.00. C. L. Seacord - F.F.T.

# SPORTS



Jim McNulty s-t-r-e-t-c-h-e-s to intercept a low flying Structures pass in Sunday's game. Nick Jevas and Andy Anderson are the other men in the picture. (Structures downed PKD, 19-0.)  
Photo by Harold Crate.



Paul Marchal, Engineering, gets off a pass over the heads of three hard-rushing AWT linemen, left to right, Norm Silvers, John McKee, and Warren Tucker. (AWT won the game, 12-7.)  
Photo by Albert Kuhn.

Flight, 69; IRD, 0  
Structures, 19; PRD, 0  
AWT, 12; Engineering, 7  
ALD-19', 31; Tank, 6  
PRT, 6; Stability, 6  
Shops, 0; 8'-LTS, 0

### FLIGHT HUMILIATES IRD

The Flight powerhouse, which a week before had bowled over undefeated AWT, rose to unprecedented heights Sunday when, with Claude Hart again at the helm, they walloped IRD, 69-0. Hart was ably assisted by the fine blocking of "Bruiser" Forsyth, Fred Daum, and the entire line and proved himself to be beyond a shadow of a doubt the most outstanding back in Laboratory football history. He had a personal hand in ten of his team's eleven touchdowns, scoring five himself and passing for five more. Two of his touchdowns came on interceptions and the other three on runs. Three of his passes went to Jim Thompson and two to Forsyth. Charlie Mathews scored the other six-pointer on an interception. Fred Daum placekicked two extra points and passed to Forsyth for another.

### STRUCTURES ROLLS ON

With "Dumbo" Dobrowski and Len Bartone paving the way with passes, Structures moved to within two games of an undefeated season by downing PRD, 19-0. Dobrowski clicked with tosses to Ochiltree and McCracken, and Bartone connected with Crate for the scores. Dobrowski passed to Anderson for the only extra point. Jim McNulty and Ed Trenkel starred for the losers, but their usually effective passing combination was broken up, chiefly by the hard playing Structures line of Ochiltree, Anderson, Stein, Levine, and Romeo.

### AWT TOPS ENGINEERING

AWT took a firm hold on second place with a 12-7 triumph over Engineering. Ray Comenzo drew first blood for the winners when, in the first quarter, he intercepted a pass in the flat and went 20 yards to score, Billy Bates took a pass from Knemeyer to

score the second touchdown following a sustained drive down the field in the fourth quarter. Rogers scored the Engineering marker on a 75 yard runback of the kickoff after AWT's last score. Marchal dropkicked the extra point.

### ALD-19' TOPS TANK, 31-6

Scoring on the third play of the game, Loads went on to win handily from a hard fighting but outclassed Tank team. Pat Cancro appeared to be in top form as he flipped five touchdown passes for the winners. Spooner, Deters, Neely, and Arnow were his receivers. Tank never gave up however, and finally scored in the last minute of play on the old "injured man" gag. Damratowski tossed to Eales for the score.

### STABILITY, PRT TIE, 6-6

PRT came through again with a fourth period score to leave another ball game in a deadlock. Stability drew first blood in the opening period on a ten-yard pass from Everett to Campbell. Stability threatened several more times but was unable to score again. The PRT score came on a pass from Emmons to Nichols.

### SCORELESS DEADLOCK

Shops and 8'-LTS played to the first 0-0 tie game of the year. Both teams seemed to be evenly matched and most of the action took place around mid-field.

Luoma, Vincke, and Brown were the standouts for 8-Foot while Muhly, Ferguson, and Kinzler looked good for the Shops.

Team	Won	Lost	Tied	Pctg.
Structures	7	0	0	1.000
AWT	7	1	0	.875
Flight	6	1	1	.813
PRD	4	2	2	.625
ALD-19'	4	2	2	.625
8'-LTS	3	2	2	.571
Shops	3	3	3	.500
Stability	3	3	2	.500
Tank	3	4	1	.438
PRT	1	4	3	.313
Engineering	2	7	0	.222
IRD	0	6	2	.125
16-Foot	0	8	0	.000

## CLAUDE HART LEADS INDIVIDUAL SCORERS

Claude Hart, Flight halfback, tallied 30 points in last week's game to move way ahead of all other individual scorers with a total of 67 points. The other men with more than 30 points are: Anderson, Structures, 45; Ochiltree, Structures, 37; Trenkel, PRD, 36; Vincke, 8'-LTS, 36; Thompson, Flight, 36; and Bates, AWT, 31.

Pat Cancro, ALD-19' quarterback, is way in front of all the passers with 15 touchdown completions. Nearest to him are Hart and Bill Muhly, Shops, with nine each.

Andy Anderson, Structures end, tops the pass receivers with seven touchdown catches. Jim Thompson, Flight, and Cletus Vincke, 8'-LTS, are close behind with six apiece.

Les Oborny, PRD end, leads the extra point kickers with five conversions.

Flight's 69 points against IRD boosted them to first place in team offense with 161 points. Structures leads in team defense with only seven points tallied against them.

## BASKETBALL LEAGUE TO USE THREE GYMS

Representatives from 13 Laboratory teams attended the first meeting of the Community Basketball League held last Wednesday night at the Syms-Eaton Community Center and heard that the league would have three gym floors to use one night a week for the coming season.

Pete Korycinski, temporary chairman, and Frank Read, temporary secretary, announced that the use of the gyms had been secured by Glenn A. Dowling, county recreation director, under whose sponsorship the league is being organized.

## DOES ANYBODY KNOW "WHO STRUCK JOHN?"

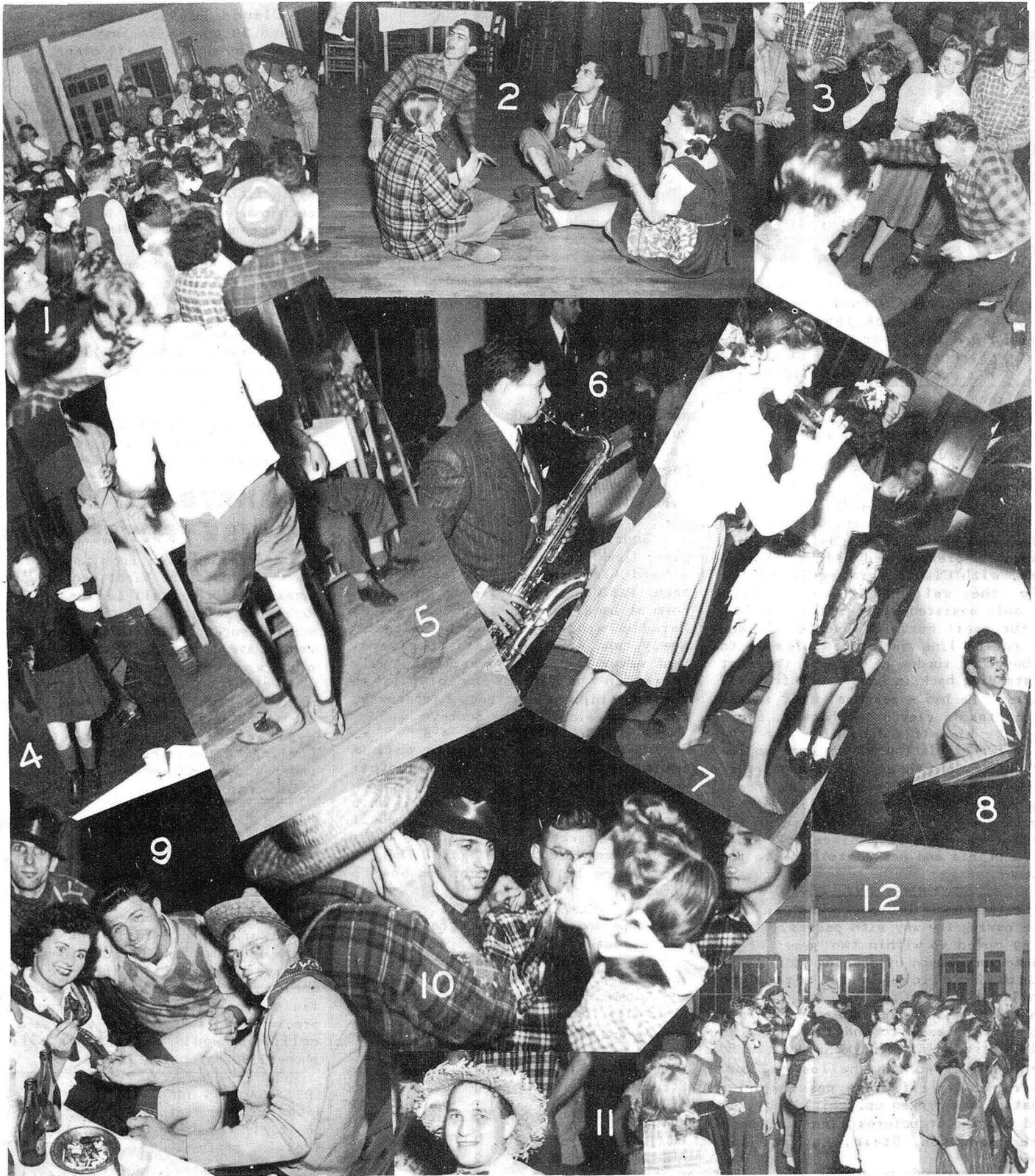
An accident involving an automobile and an Army truck took place at the intersection of Dodd Boulevard and Douglas Street at 5 p.m. Saturday, November 18. There seems to be a little doubt as to who was at fault. At the time of the accident, NACA cars were leaving the field. The Provost Marshal would appreciate it if anyone who witnessed the collision would contact his office, phone 2330 extension 22111.

LOST: A gold identification bracelet with the name "Kathryn Banick" engraved on it. If found, return to Katie Banick, Training Office.

WANTED: Ride for two to St. Louis, Kansas City, or Wichita around December 19. Will help drive and share expenses. Bette Browning, Spin Tunnel.

LOST: Proportional dividers. Inventory Number 8562. If found, contact PRT, telephone 2234.

# Sadie Dearborn Day Dance



The Full-Scale Division, and a few (?) invited guests, took over the Hampton Country Club last Friday night to pay homage to the late Sadie Dearborn, nee Sadie Hawkins. Pictured above are: (1) Find yourself, (2) Dixie Carter, Les Schneider, Gene Migotsky, and Sarah Parks, on the floor, (3) Walter Porter, entertaining the crowd with his square dance, (4)

Nance Underwood, swingin' her opposite, (5) Guess who: (6) Sammy Cohen, blowin' it out, (7) Guess again? (8) Jack Volkman, at the piano, (9) Nancy King, Ray "Wolfie" Comenzo, and John Houbolt, with Jerry Brewer (yep, it's him) in the background, (10) Cracker eating contestants and judges, (11) "Whiskey", (12) More of the mob. Photos by Foster.

# LANGLEY SKETCHES

by Herman Ankenbruck

Round cheeked, easy-going, good-looking and well dressed Herb Hoover occupies one of the most enviable positions on the field as head test pilot in charge of Flight Operations.

Herbert Henry Hoover was ushered into this "putty-knife factory" on May 18, 1912 in Knoxville, Tennessee. For the record, historical fact shows that his name was given him before our 31st president became famous and that he bears no relation to him. Being quite young at the time, he spent the next 22 years of his life growing up in the city of his birth. This included a four-year sojourn at the University of Tennessee where he majored in Mechanical Engineering. "I had to work at school", he says, "but enjoyed it."

After graduation in May, 1934, Hoover, not having any plans, filled out an application for training in the A.A.F. He was accepted and after training at Randolph and Kelly Fields, was sent to a tactical group at Mitchell Field. Because his position in the Army was only of temporary nature (malnutrition of appropriations), Lt. Hoover took a Civil Service examination in the spring, 1937, hoping to get a job with the Department of Agriculture for which he qualified. However, he applied for a job with American Air Lines and was being measured for a pilot's uniform when Colonel (now General) Frank of Mitchell Field pulled some strings to get him a job with the Standard Oil Company in South America.

## South America Calls

This venture intrigued "hot-pilot" Hoover, for he didn't want to be what he termed a "taxi driver". Upon arriving in Venezuela six days later, he was put to work as an aero "truck driver" hauling equipment, personnel, and hospital patients from camp to camp. He did, however, spend some months doing photography work in an attempt to map some more or less unexplored territory in the interior. Most of this time was spent loafing and waiting for clear weather. It was then that he tipped the scales at 190 pounds and grew a beard. Once while flying near the coast, Herb got lost at sea. He claims that his outmoded charts gave him a gum steer.

Finally a yearning to be back in the States, coupled with an offer for a job at the NACA, brought him home in December, 1940. Not being sure of the NACA job and to express his intense interest therein, he offered to work for a year for free (Ed. note: !!!). They hired him but not as a dollar-a-year man. Some time after arriving, because of his experience in flying through all kinds of weather, Hoover volunteered to make flight tests with the XC-35 in thunderstorms. This gained him added



experience in instrument flying, together with no little prestige. Hoover's precocity and the rapid expansion of the NACA soon landed him in his present position in charge of all flight operations.

## Headwork - Upstairs

Summer before last, Herb was injured when a cockpit canopy flew off and hit his head. In spite of his injury, he landed the airplane; was then rushed to the hospital. This accident was really meant for Mel Gough; whose place Herb was taking that day, but reliable sources have expressed considerable doubt as to whether the canopy would have come near Gough's head unless he were standing.

Herb's army experience, his experience in South America, and his work at Langley make him an expert in handling qualities of aircraft. Rated as one of the top men in his field, test-pilot Hoover has flown at the NACA more than 100 types of airplanes ranging from the smallest to the largest.

Herb has known his wife, Ruth, most all his life. They were not, however, childhood sweethearts. The Hoovers have one child, Susan, age one year.

In the sports line Herb likes handball, real poker, and golf, (has parred on occasions). No blunt instrument, he has a sharp eye and an excellent memory and will admit to being somewhat firm in his beliefs. He is a congenial, likeable fellow, especially adept at shooting the bull. His life's ambition is to get a power-mower for his 20' by 20' lawn.

## ARNOLD

(Continued from page 1)

ments of the future, we normally go to the NACA and ask you people to do that work for us. And we are very grateful for your whole-hearted efforts and your cooperation with us."

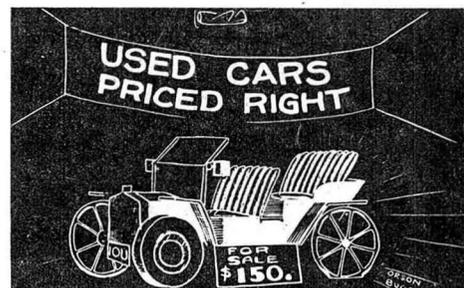
General Arnold cited the growth of American air power. He stated, "I think that you people here are entitled to a little bit of background on this thing that we call air power. I think it will better enable you to do your mission here at the Laboratory." He spoke of the small usage that was made of the airplane in the last war and said that no one then knew what air power really was. "General Billy Mitchell," he said, "had more advanced ideas on the subject ideas on the subject in this country than anyone else. "Today," he declared, "the airplane has been developed to the point where it is 'an honest-to-God' weapon of war."

Regarding the effective use of the airplane, the General referred to the meeting and besting of the airplanes of our enemies. He told of beating the Japs because they are "creatures of habit". He said, "If a Jap comes over this particular hill and down this particular route on Monday, then you can expect him to come down that same route on Tuesday, Wednesday, and Thursday. And all you have to do is to make your arrangements accordingly."

"Now let's get to the German air force", he went on. "They are much more imaginative; they are smarter than the Japs". He then cited our bombing of their ball-bearing plants, engine factories, airplane factories, and oil supply.

"Today," he said, "you find the German air force so short of pilots, so short of oil, that they cannot fly the airplanes they have sprinkled all over Germany. The Germans are going to fight - the same as the Japs are - as long as they have a man left to fight - just so long as their fanatic leaders have the bluff on them they have now. When the time comes that they fear our bombers - when they fear what is going to happen to them as a result of our constant hammering on the ground and in the air - more than they do their fanatic leaders - that is when the Germans are going to break up internally."

General Arnold was introduced by M. R. Sharp, Manager of the Cleveland Laboratory, and Dr. George W. Lewis, Director of Aeronautical Research, NACA.



Not a paid advertisement

# OYSTERS MAKE MONEY AND SMELL

The seafood industry is a big thing locally. It fills the atmosphere with a fragrance that could hardly be called a rival of Chanel Number 5; it furnishes many of us with crabs, oysters, and fish "fresh from the deep"; and for more than half a century, it has been one of the main sources in income for many local residents.

The industry has as many branches as there are creatures of the sea and a particularly interesting one is the oyster business. The first settlers in this neck of the woods (some 13 years, you know, before the Mayflower) sent back word to England that "shellfish are found in abundance and have proven quite edible."

It is presumed that locals have been eating oysters since then, but it was not until the 1880's that Tidewater oystermen began to see the possibilities of a profitable profession, marketing the bivalves. In 1884, the General Assembly of Virginia, fearing that the river and bay bottoms where the oysters liked to grow would be dragged clean and the supply cut off, authorized a survey of all the river and bay bottoms. After this survey had determined which grounds were naturally productive, the other bottoms were made available to interested parties on 20 year leases at one dollar an acre. On these grounds, oystermen could plant seed oysters, which the state gave them permission to take from the state controlled grounds, and let them grow to maturity.

These seed oysters are gathered by a process called tonging. Tongs are a pair of large rakes, joined near the heads on their 30 foot handles. These are lowered to the bottoms and the oysters scraped up. They are then planted on the leased grounds and allowed to grow for three or four years.

They are then gathered in by means of a dredge and brought to the docks of the oyster houses on the shore. Here they are delivered to the shuckers.

An oyster shucker is a person, generally colored, who may be short on formal schooling, but long on the know-

## LIFE at the LABORATORY

**WEDDING BELLS:** It seems that the younger generation is still a bit slow to profit from the mistakes of the older because Laboratory employees are still getting married by the thousands. This week word was received that Jerry Truszynski, IRD, has stamped his brand on his home town girl, Helen Bennet. No definite wedding plans are known as yet...Rene Rhodes, Head of the International Business Machine at the 19-Foot Tunnel is wearing Lt. "Mac" McClure's ring. Lt. McClure is stationed in China...Lillian Caminade, Structures, has left the Laboratory to take up the old profession of house wife. She will tie the final knot on Thursday, November 30 when she walks down the aisle with Robert Wolfe of Camp Blanding, Florida...And the Laboratory's confirmed bachelor, Ann Timberlake, will take that all fatal step when she and Bill Boatright, Full Scale Tunnel, take their final vows tomorrow in Fredericksburg.

**HEIR MAIL:** Charles Hoffman, East Model Shop, was passing out cigars in a big way this week. He is the proud, but slightly nerve-wrecked, father of a son, Charles, Jr., born November 14.

**PARTIES:** Full Scale Research Division's hill billy brawl Friday night celebrating Sadie Dearborn Day proved a hilarious success, marked by several minor casualties in the square dancing experiment and a few bruised eardrums suffered during Mark Nichols' exhibition of championship hog-calling (for photos see page )....Feeling that Ann Timberlake should have a last fling before her day of disaster, the boys of AWT threw a stag party for her last Saturday night. When asked how he happened to win out over all the other boys at the Laboratory, Boatright declared, "I didn't have anything to do with it, she proposed to me.".... The Photo Lab had a party at the Sigma Club Tuesday night. At press time no report could be obtained.

**MISCELLANY:** E. J. Shave, Head of East Machine Shop, celebrated his silver wedding anniversary this week...The boys in West Machine Shop have tagged Bobby Goodness with a new name, Sergeant Goodness.

ledge and skill that it requires to separate the bivalve from its shell in the shortest possible time. He (or she) uses a hammer to break off the end of the shell and a knife to flip off one side. A quick, experienced glance tells whether the shell's occupant is of the "standard" or "select" grade, and then he is flipped into one of two pails at the shucker's side. When a gallon of these tasty fellows is collected, they are dumped into a large tray for washing. Then they are routed to a large vat where they get another washing and a cooling in ice water. From there they go to another tray where they are washed again and packed in gallon cans and put on ice. Today they bring the top price of \$4 a gallon for the standard and \$4.50 for the select.

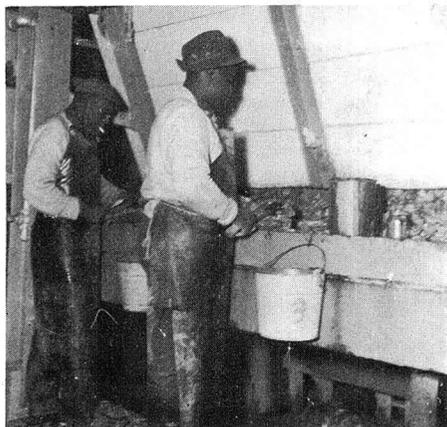
The local oyster industry has had its output greatly diminished since the beginning of the war due chiefly to manpower shortage. However, last year's output was 150,000 bushels of shelled,

packed oysters, while the oyster planters exported an additional 150,000 bushels of the bivalves still in the shells.

The shells are usually piled in high mounds until the end of the year at which time some of them are returned to the planting grounds for seed and others are used in manufacturing fertilizer.

At one time the shells were widely used for surfacing roads hereabouts. As a matter of fact, that's where the Shell Road, from Hampton to Newport News, got its name.

Oysters play an important part in the life of our community. It's not just a simple proposition of raking them off the bottom or of gathering them from low hanging tree branches (where they grow in Jamaica). It takes years of work and patience and hard work to bring the bivalve from his early seed beginning to his timely end in the pan or on the half shell.



Shucking the oysters....



....washing and measuring....



....ready for the table.



LANGLEY MEMORIAL AERONAUTICAL LABORATORY

## ARMY HOUR TO FEATURE NACA DECEMBER 17

On December 17, the 41st anniversary of the Wright Brothers' first flight, the NACA will have a featured spot on the "Army Hour". It had been reported previously that the broadcast would be made December 3.

The "Army Hour" is a regular Sunday afternoon feature of the National Broadcasting Company and is carried locally by Station WTAR, Norfolk, 780 kilo cycles. The Public Relations Branch of the War Department, which "sponsors" the program, has arranged for part of it to be broadcast from Washington and 15 minutes more will originate here.

The Laboratory's part of the program will be made from three research divisions - the Hangar, Tank Number 2, and the Spin Tunnel.

## ASME HONORS DR. GEORGE W. LEWIS WITH "SPIRIT OF ST. LOUIS" MEDAL



Dr. George W. Lewis, Director of Aeronautical Research for the NACA, was awarded the "Spirit of St. Louis" medal by the American Society of Mechanical Engineers at their New York convention this week. The distinguished award honors Dr. Lewis "for leadership in direction and encouragement of aeronautical research, having extensive influence on aeronautical engineering during the past quarter century."

To most people in aviation, the NACA and Dr. Lewis are synonymous. Appointed Executive Officer in 1919 and Director of Aeronautical Research in 1924, he has been a guiding spirit of the Laboratory's growth from its tiny beginning to its present pre-eminence. Much of the valuable equipment here at Langley Field was constructed through Dr. Lewis' foresighted efforts. The Variable-Density Wind Tunnel was first, then the Propeller Research Tunnel, Tank Number 1 for testing seaplane floats and flying boat hulls, and the Full-Scale Wind Tunnel.

Dr. Lewis has been Vice-Chairman of the Committee on Power Plants for Aircraft of NACA since 1922 and also Vice-Chairman of the Committee on Aerodynamics. He has served on many national and international committees for the advancement of aviation and

Continued on page 6

## ANSWERING EMPLOYEES' QUESTIONS IN REGARD TO MILITARIZATION PLAN

(Ed. Note: The following is a reprint of a memorandum sent to all Laboratory members of the ACER over the signature of John W. Crowley, Jr., Acting Engineer-in-Charge.)

In view of the number of questions that have been asked recently in regard to the Militarization Plan, the following review of the present status of the Plan has been prepared. Basically, the Plan has not been changed. As has previously been stated to the NACA members of the ACER, both by means of group discussion with Colonel Belknap and in the memorandum dated February 18, 1944, by Major General White to The Adjutant General, each member of the ACER is assigned to the NACA in an inactive status "subject to recall to active duty with the Army Air Forces upon termination of his employment with the NACA, or sooner, if military exigencies require." The Joint Army-Navy Personnel Board has decided, in line with the national policy, that the military situation is such that men of the ACER under 26 years of age shall be called

to active-duty status when suitable replacements for them can be obtained and trained. We are at present in this so-called "replacement" stage of the Militarization Plan, and it is in connection with the implementation of that phase that the present questions arise.

In general, the questions that have come to our attention can be summarized as follows: "When may I expect to be called into active service?" It is, of course, impossible to answer this specifically in any given case because of its dependence upon matters beyond control, such as immediate needs of the military services as brought about by developments of the war, the quality of replacements received by the NACA, the probable supply of replacements, et cetera. Certain of the facts, however, that influence the replacement schedule are determinable and are discussed in the following paragraphs.

### Three Basic Principles

There are three basic principles involved: (a) That vacancies in any given

Continued on page 4

## NEWS FLASH!

The President of the United States reappointed, on December 1, Dr. Jerome C. Hunsaker and Dr. William Frederick Durand to the National Advisory Committee for Aeronautics for five years.

Dr. Hunsaker is the present chairman of the Committee, and Dr. Durand is a member of the original committee and served as chairman during World War I. At present, Dr. Durand is chairman of the Subcommittee on Jet and Turbine Power Plants.



# SPORTS



Structures Research walked off with the touch football league championship last Sunday by defeating Tank, 25-0. They meet Flight in the season's finale Sunday at 11 a.m. at the Darling Stadium in Hampton. Team members are, left to right, front row: Manny Stein, guard; Walter Woods, guard; Len Bartone, back; Howard McCracken, back; and John Neff, back; second row: Jim Rafferty, back; George Zender, back; Captain Dave Ochiltree, end; Ross Levin, guard; Dumbo Dobrowski, back; and Bill Hichman, back; third row: Cal Schmeiter, guard; Harold Crate, center; Gus Boughan, back; Dan Farb, guard; and Ed Kruszewski, center; last row: Andy Anderson, end; John Eppler, end; Sam Rosenfeld, guard, and John Houbolt, end. Absent when the picture was taken were: Joe Kempner, back; Murry Schildcrout, back; Einar Lundquist, guard; and Tony Romeo, guard.

by Bruce Amole

A hard fighting Structures team downed Tank 25-0, to remain undefeated for the season and put a clincher on first place in the league standings.

John Neff started things off early in the first quarter with a short pass to Andy Anderson for a touchdown. Anderson tallied 18 of his team's points to mark him as one of the outstanding offensive ends in the league. The second touchdown came on another pass to Anderson, this time from Gus Boughan. Boughan also converted on the first score. Structures led at the half 13-0.

Structures came back in the third period with a long pass from Dobrowski to Anderson who eluded three Tank men to score. The final tally was made on a long run by Dave Ochiltree after he had intercepted a Tank pass.

Tank put on several sustained drives, one of them carrying to the Structures four yard line, but were unable to score. Amole, Damratowski, Leis, and Zeck played stellar roles for the losers.

### AWT TIES LOADS, 0-0

In one of the hardest fought games of the season, AWT and Loads played to

a scoreless deadlock. The hard rushing AWT line, guard John McKee in particular, put a crimp in the Loads passing attack. Pat Cancro was able to spot his receivers frequently however, and several passes to lanky Stan Spooner almost amounted to scores.

Both teams displayed very effective defenses and most of the play was kept within 20 yards of midfield. AWT put on a sustained drive in the second quarter that carried to the ALD-19' 12 yard line. Loads' most noteworthy threat came in the fourth period when they got within the AWT ten yard line. Ray Comenzo intercepted a Cancro pass to halt the threat.

### 8'-LTS WINS OVER PRD

Behind the passing of Arvo Luoma and the running of Felix Beiduk, 8-Foot topped Physical Research 12-0.

Cletus Vincke drew first blood for the winners in the second quarter with a touchdown run. A pass from Luoma to Beiduk scored in the third quarter for the other tally.

### IRD DOWNS 16-FOOT

IRD finally broke into the win column at the expense of 16-Foot 13-0.

## ELECTRICAL OFFICE IN NEW QUARTERS

The Electrical Office staff became the first section to occupy some of the new construction in the west area when they moved into their new building last week. Located north of the West Area Model Shop, the structure will eventually house the Electrical Storage Unit, now in the Full-Scale Tunnel Building; the Electrical Shop, now in the Utility Building; and an additional 200 line automatic telephone exchange.

Among the outstanding features of the new building are its pink walls and green doors. Of course, the girls in the office say they are rose and aqua, respectively.

The Buildings and Grounds Section of Construction and the West Engineering Section are scheduled to move into their new quarters sometime this week.

★ ★ ★

## ENGINEER'S CLUB TO HEAR STIRLING

Mathew W. Stirling, Chief of the Bureau of American Ethnology of the Smithsonian Institution will address the Engineer's Club of the Virginia Peninsula in the Apprentice Athletic Building of the Newport News Shipbuilding and Dry Dock Company at 8:00 p.m., December 7, 1944 on the subject "Exploring Hidden Mexico."

The field work of Mr. Stirling in archeological and ethnological exploration has been in North, Central, and South America, Europe and the East Indies. He is an authority on North American Indians and is author of a number of articles for the National Geographic Magazine.

Admission to the program is by ticket only. Laboratory employees interested in getting tickets should call 2360, 2212, or 2284 and leave their names. Tickets will be sent out as long as they are available.

After a scoreless first half, a third quarter pass, Hansen to Fuhrmeister, accounted for the first score. Taubenslag passed to Jefferies for the extra point. Later in the same period, Taubenslag passed to Jefferies for the other touchdown.

### Standings:

Team	Won	Lost	Tied	Pctg.
Structures	8	0	0	1.000
AWT	7	1	1	.833
Flight	6	1	1	.813
8'-LTS	4	2	2	.625
ALD-19'	4	2	3	.611
PRD	4	3	2	.555
Shops	3	3	3	.500
Stability	3	3	2	.500
Tank	3	5	1	.388
PRT	1	4	3	.313
Engineering	2	7	0	.222
IRD	1	6	2	.222
16-Foot	0	9	0	.000

# REPLACEMENT

(Continued from page 1)

category will generally be filled before replacements in that category are to be made; (b) That no employee in the ACER will be called to active duty until he has been replaced by an employee who, in the judgment of the NACA, has suitable qualifications and has been adequately trained by the NACA for the work to be performed. All such cases will be reported by the NACA to the Army-Navy-NACA Personnel Board for appropriate action by the War Department. (c) The Army at the present time is interested chiefly in obtaining only men under 26. In addition it has been decided that, insofar as efficient operation of the LMAL is concerned, it is practical to have in training only 145 replacements at any one time. There are at present 504 members of the ACER affected. In making replacements, the youngest and least essential will be replaced first.

### 231 Vacancies Remaining

To assist in filling the Laboratory vacancies and to carry out the replacement portion of the Plan, the Army has first made available to the NACA the enlisted personnel of the Army Air Forces within the continental United States, who are 26 years of age or over, and those who have been returned from overseas duty, regardless of age. The recent recruiting from this source resulted in the Laboratory obtaining 38 men toward filling 225 professional vacancies and 232 men toward filling 276 subprofessional vacancies. During this same recruiting program only 21 professional employees (5 physicists, 3 mathematicians, and 13 men for construction work, et cetera) were recruited for replacements while 102 subprofessional employees were recruited as replacements. As is indicated by the above recruiting figures, the recent Army recruiting program was successful in obtaining qualified personnel to fill a large proportion of our subprofessional vacancies, as well as making substantial progress in the replacement of our subprofessional militarized personnel under 26. The small number of qualified professional recruits so far obtained from the enlisted ranks of the AAF enabled the Laboratory to fill only a small proportion of the professional vacancies, and a still smaller proportion of professional replacements, these latter being in the grades and categories in which no Laboratory vacancies existed. As will be noted, there are still 231 vacancies remaining to be filled. These are divided into various categories as follows:

Naval Architect	6
Aeronautical Engineer	83
Electrical Engineer	42
Mechanical Engineer	35
Physicist (above P-1)	15
Structural Engineer (Research)	6
Aviation Metalsmith	5
Aircraft Modelmaker	5
Electrician	5

\* \* \*

Draftsman	13
Instrument Maker	2
Pattermaker	3
Toolmaker	10
Engineering Aide	1

These figures are as of this date and vary from day to day since they are affected by turnover and hiring. They do not include an increase in the Laboratory complement recently approved by the President, and which is being considered by the Congress at the present time. As stated in paragraph 3 (a) vacancies will be filled first. "Vacancies" will include not only those now existing, as enumerated above, but also those provided for in supplemental estimates of appropriations now pending before the Congress and expected to be enacted into law before the end of the year. A second phase of the program of recruiting from the AAF personnel aims at obtaining men passing through their regular redistribution centers. This source includes both officers and enlisted personnel.

### Will Not Interrupt Work

The replacement of personnel will be accomplished without interruption of Laboratory work. Thus, although the previous experience and education of a replacement may serve as adequate qualification for the general requirements of a given position, a transition or training period generally will be required. In certain cases, particularly in subprofessional grades in the usual trades, it has been found that a special training period is unnecessary, but it is expected and planned that, for most cases, training on the job will be required before satisfactory replacement can take place. The time required for training depends, of course, upon the capabilities of the man being trained and the type of work in which he is engaged. It is obviously impossible, therefore, in most cases to set anything approaching a definite time for a man's replacement until after the trainee has been on a particular job long enough to judge his capabilities.

When it has been decided that a new man is a satisfactory trainee for a given position, the man to be replaced will be notified that a man is in training to replace him. It can not be specified when a given replacement will be made. In all cases when a trainee has finally demonstrated ability to fill a given job, the man being replaced will be notified that his name is being reported to the military authorities as being available for call to active duty. The time that will ordinarily elapse before a man is ordered to active duty will be known more definitely after the initial groups have been called to active duty.

If you have need for additional information concerning your particular case, the Personnel Officer will endeavor to assist you in every way possible.

# AIR SCOOP SPONSORS PICTURE CONTEST

Camera enthusiasts of NACA will be given the opportunity to publicize their efforts and compete for valuable awards in the photographic contest being sponsored by Air Scoop. Restrictions are few and opportunities big, so get out your best prints and enter them early. They will be judged from the standpoint of artistic and photographic excellence and interest of subject matter. All pictures will be held for the final selection and the announcement of winners will be made in the January 12 issue of Air Scoop.

The rules are as follows:

1. Prints must be at least 5" by 7" mounted or unmounted.
2. Black and white or toned prints are acceptable.
3. Subject matter should be confined to scenes on the Peninsula.
4. The pictures must have been taken in the calendar year 1944.
5. Technical data, including the following, must accompany each print.

Name . . . . . Section . . . . .  
 Camera . . . . . Film . . . . .  
 Shutter speed . . . . . f stop . . . . .  
 Filter . . . . . Developer . . . . .  
 Paper . . . . .

6. Any NACA employee may participate except members of the Air Scoop staff.

7. Prints must be submitted to the Air Scoop office on or before January 1.

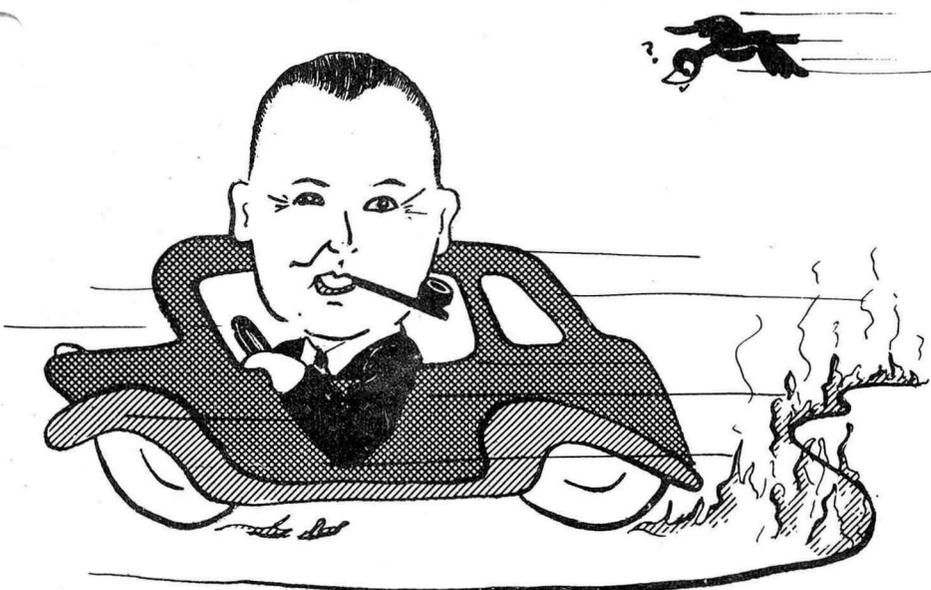
As we go to press, the prizes to be awarded and the names of the judges have not been definitely decided. They will be announced in next week's edition of Air Scoop. Meanwhile, look over your prints and select the best ones. Or, if you're a newcomer to NACA, get out your camera and take some pictures in time for the contest.

# FORMER EMPLOYEE ADDRESSES GROUP

Fred E. Weick, Chief Engineer, Engineering and Research Corp., Riverdale, Md., addressed the November 29 session of the New York convention of the American Society of Mechanical Engineers on "Postwar Aviation and Its Effect on Our Industrial, Economic and Social Life." Weick was formerly connected with the Laboratory as Assistant Chief of the old Aerodynamics Division. While here, he did outstanding work on airplane stability and improvement of propellers and was responsible for the development of a new plane design, the W-1. He left the NACA in November, 1937, to take over his present position.

Other speakers on this topic at the convention included T. P. Wright, Director of Civil Aeronautics Administration and member of the NACA, and William B. Stout, Director, Stout Research Division, Consolidated Vultee Aircraft Corp.

# LANGLEY SKETCHES



If you're in a line of traffic, poking along, and you see a black streak shoot by at a terrific rate, have no fears for it's only "Cannonball" Turner, famed for his fast driving and his work at the 19-Foot Tunnel.

Harold R. Turner, Sr. is the engineer-in-charge of operation, set-up, and maintenance at the 19-Foot Test Tunnel, and one of the Lab's oldest employees in point of service.

His life had its beginning on the Eastern Shore of Maryland, in the town of Ridgely on July 30, 1894. There were nine other children in his family, which he says was not unusual for rural families at that time. While a boy, he took a fling at farming and at clerking in a store, but didn't care much for either; the pace was too slow. He liked fox hunting much better and he and his pony often were seen on the chase over the Maryland farm lands.

After graduation from high school, he went to New Jersey and started work in a garage. He later served his apprenticeship as a tool and die maker. The beginning of the last war found him with the Curtis Corporation as assistant experimental engineer at their wind tunnel. He managed to get married sometime along here, but doesn't remember the actual date.

#### *A Turn With Liquid Fire*

Turner had a yen to get in the Army and his work with Curtis made him a natural for the Air Corps, so he enlisted. Prospects for getting overseas seemed rather slim, so he soon transferred to the Engineers and then to Ordnance. With the latter, he went into the chemical warfare branch and was put to work at Edgewood Arsenal loading grenades and shells with liquid fire. One day Sergeant Turner and seven other men were hard at work when a nearby tank burst under high steam pressure and the 100 percent phos-

phorous solution that they were using ignited. Four men were burned to death and three escaped through the door. Turner jumped into a tank of water and stayed under, breathing through a hose, until help arrived. They fished him out, badly burned and more dead than alive, and rushed him to the hospital. It was 13 days before his wife was allowed to see him. During the next three and one-half months he was totally blind, and it was a total of 54 weeks before he was released from the hospital. During this time he was offered a commission as first lieutenant but he refused it.

#### *Comes NACA*

After his discharge, Turner went back with Curtis in his former capacity. Funds and work were both running rather low and he was looking around for other prospects when he was asked to escort a visitor around the plant. The visitor was Dr. George W. Lewis. Dr. Lewis suggested that he write to Mr. Victory. Result - Turner showed up at Langley on August 13, 1921. He went to work at AWT as a mechanic.

Turner's work here has included a large share of installation, operation, and maintenance at the VDT, high speed tunnels, and 19-Foot Tunnel. Between the Lab and the Curtis plant, he estimates that a total of 20 wind tunnels have been under his charge at one time or another.

#### *The Trip To Florida*

Turner has always taken a great interest in shooting, and when a delegation from the local rifle club went to the National Small Bore Rifle Matches in St. Petersburg, Florida in 1940 he went along to see how the big meets were run off. The local shooters accompanying him were H.J.E. Reid, John Stack, Carlton Kemper, and Bob Pinkerton. While at the matches, Turner was asked by Reid to get some movies of the

## O.D.T.ASKS CUT IN HOLIDAY TRAVEL

In an effort to hold down the rise in travel that normally occurs during the Christmas and New Year holiday period, all Laboratory employees are asked to heed the request of the Director of Defense Transportation that unnecessary travel by public transportation be curtailed from December 15 through January 8.

The request has been made because military and essential civilian demands on all interstate passenger transportation facilities have not abated during the past year but, on the contrary, have become heavier.

At the same time, all Government agencies have been asked to curtail government business travel during this period and to avoid the calling of meetings that would involve travel.

LOST: Half of black and white parker fountain pen. Phyllis Gisman, Building and Grounds.

shooting. Shortly after the order had been given to commence firing, a loud speaker bawled out, 'Cease firing!'. The shooters were burned up about having to stop. The loud speaker continued, 'A gentleman from Pathe News would like to get some pictures of the firing line.' Stack, Reid, et al, lifted their heads and all but went into fits of laughter as they saw Turner walking down the line with his camera turning away. It wasn't until he reached the end of the line that he noticed that the lens had been covered all the time.

On the way back, Turner's high speed driving got him into trouble for the only time. He was breezing through South Carolina when he noticed a cop parked on the side of the road. The officer didn't start to chase him (so he thought) so he pushed down on the accelerator. He went on for more than forty miles, running between 100 and 110 miles per hour, but was finally showed down by a line of trailers. The cop pulled up, with the sheriff and the justice of the peace in the car. Turner was accused of flying dangerously low and required to post a fifteen dollar bond. He has never returned to South Carolina.

#### *An Engineer Through Hard Work*

Turner's work here has been interspersed with hard study. He has been a frequenter of night schools and has had tutoring under various engineers here at Langley. His work was rewarded when he was given an engineer's rating several years ago.

Harold Turner is a proud man - proud of his two boys, Harold, Jr. and Bob, both of whom work here; proud of the fact that he bagged a six point buck during last week's hunting; and mighty proud of the 19-Foot Tunnel, of which he says, "I'll be happy working here until they build a better one and I don't think that will be happening soon."

## "THE VOICE" IS STILLED AWHILE

A ghostly silence reverberated through the Spin Tunnel building last week as the mighty voice of Anshel I. (Red) Neihouse was temporarily stilled following the removal of several tons. Inhabitants of the building and other buildings within a two-mile radius will be pleased to know that The Voice, who has become a well-known laboratory personality, will resume normal operations very shortly.

The loquacious Spin Tunnel section head returned to work early this week, unhappily but sincerely attempting to follow a no-talking diet prescribed by his physician. In furtive whispers, Neihouse told associates about his operation which was unique in medical annals in that the operating physician was assisted by a welder and a pneumatic drill specialist.

The head of the Neihousehold, four-year-old Shirley, made the following observations to an Air Scoop reporter: "The entire situation is astoundingly paradoxical. The uncommunicative gentleman bears an extraordinary resemblance to my father, and I have been assured by reliable authorities that it is indeed he, but I find it strains my credulity. Taciturnity was never the principal characteristic of The Pater. If I may paraphrase the immortal bard, 'Methinks he doth not protest enough'".

## CREDIT OFFICE TO CLOSE DEC.18 TO 31

The LMAL Federal Credit Union offices will be closed for the transaction of all business for two weeks, December 18 to 31 inclusive. Collections will be received only on December 21 in the West Area and only on December 22 in the East Area - hours 11:30 to 4:00.

No loans will be made during this two week period. Employees anticipating a need for Christmas cash should be sure to make application for loans before December 13. Further information may be obtained from Mrs. Modesta Roberts at 2247.

**HAG STAGGER DRAG**

EAST ENGR DEC. 8TH 9:12

FULL SCALE HAMPTON ARMORY

The East Engineering Section and Full Scale Tunnel Staff are sponsoring a "Hag-Stagger-Drag" affair at the Hampton Armory Friday night, December 8, Music will be furnished by Red Overton and his orchestra and dancing will be from 9 'til 12. Tickets are only \$.99 and may be obtained from any member of the Engineering Section or Full Scale Tunnel.

## LIFE at the LABORATORY

**WEDDING BELLS:** Dick Davey, 16-Foot Tunnel, stamped his priority on his home town girl when they were recently married in Norwick, New York....Edwin Carrol Kilgore, East Engineering, is planning to follow the crowd down the road of ill-fate. He recently placed a ring on the third finger left hand of Ann Cato Hitch, Portsmouth.

**PARTIES:** Due to his fiendish actions at the AWT party last Saturday night, Bob Shack has been dubbed "Comenzo, Jr". Rita Rockliff, PRT, claims Bob has a style all his own....The Free Flight Office was the scene of a big Thanksgiving dinner Thursday, November 23. Hartley A. Soule and Aubrey Harris were guests-of-honor. The menu consisted of: chicken (prepared by the stronger sex - it was agreed that it would take the stronger sex to digest Herman Ankenbruck's conglomeration), potato chips, olives, pickles, celery, cranberry sauce, fruit, nuts, hot buttered rolls, pie, cake, and cokes. Bernie Maggin contributed an apple pie which he declared was "made with my own lily white hands" - upon this declaration the pie was carefully avoided....Impact Basin staff threw a party last week at Sid Batterson's apartment in honor of Jack Westfall and Margaret Vann who took the final step Wednesday, November 29.

## DR. LEWIS

(Continued from page 1)

received the Daniel Guggenheim medal in 1936 for his efforts in this connection.

The "Spirit of St. Louis" medal awarded Dr. Lewis is presented approximately every three years to the person who has contributed most to the advancement of aeronautics. Instituted

in 1929 through an endowment fund created by the citizens of St. Louis, the medal has previously honored Daniel Guggenheim, Paul Litchfield, Will Rogers, James E. Doolittle and John E. Younger.

FOR SALE: Blunch tiger aero with coil. Price \$15. Also balsa wood, silkspan, dope, etc. Paul Marchal, West Engineering.



The current display of captured enemy equipment on exhibit in the Administration Building was lent to the NACA by the Army for the Sixth War Loan Drive. Conrad Lahser, of the Training Division, arranged for the exhibit with the cooperation of Capt.

George J. Miller of the Army Office of Information, Special Services Division. All the weapons and miscellaneous items shown are of German, Japanese, Italian or Czechoslovakian origin and were actually captured on the battlefields

## WATCH FOR NEXT GREEN COW



## ART INSTRUCTION OFFERED LMAL

Plans for twice-a-week classes in painting, drawing, design, and woodcutting were announced today by J. J. Lankes, head of LMAL illustrator's unit. Space and facilities for these classes have been arranged at Sym-Eaton Recreation Center through the cooperation of the USO which is interested in encouraging art appreciation and instruction.

Enrollment in these classes, which are for beginners or for those who have had other art training, first will be offered to employees of LMAL. Later enrollment will be enlarged to include other residents of the community.

All employees who are interested should send in their names to the editor of *Air Scoop* and an initial 'get-together' meeting will be arranged, at which Mr. Lankes and a representative of the USO will explain the instruction opportunities and facilities made available.

*Air Scoop* is authorized to announce the following established details for these art classes: two-hour classes will be given twice a week, either on two nights or on one night and Sunday afternoon (to permit better color work); minimum enrollment will be ten; instruction will be individualized; students may start and quit at any time; entrance fee will be \$2.00; tuition, \$2.00 a week.

Each student will furnish his or her own materials and supplies, brushes, paint, woodcutting tools, etc. Opportunity for group purchase will be provided if so desired.

Because the USO is sponsoring space and utilities and has agreed to provide a reasonable amount of facilities and equipment, these art classes are made available at a very moderate cost to the student.

Mr. Lankes is unusually well qualified to act as instructor for these art classes. For seven years he was instructor of practical arts, painting, and drawing at Wells College. He has had one man exhibits at Carnegie Institute, Pittsburgh, Pa.; Corcoran Art Gallery, Washington, D. C.; Albright

(Continued on page 3)

## OFFICIALS GIVE PUBLIC PEEK AT AIR MONSTERS

Washington, Dec. 6.—(AP)—Glimpse through military secrecy at new sky giants bigger than the B-29 superfortresses now pouring destruction on Japan were given the public today.

Testimony of officials before the House appropriations committee disclosed that secret tests of the air monsters are under way.

Among them is the B-36, described as 'the largest airplane attempted in this country.'

Dr. George W. Lewis, director of aeronautical research of the National Advisory Committee for Aeronautics, mentioned briefly in his testimony made public today, work on the B-36, B-35 and the B-42. Details of size and prospective performance were not disclosed.

Hints of other unhappy surprises for axis enemies in the form of new air and ground weapons—including rockets and jet propelled missiles—came from committee testimony and army sources.

Dr. Lewis said that advances in experimental development of air have been so rapid that a shortage of experts has developed.

"New projects are being assigned to the committee at an ever-increasing rate as a result of the introduction of new airplane designs . . . the introduction of guided missiles . . . and the ever-expanding complexities of aeronautical problems encountered at high speeds and high altitudes," he said.

In New York, Lt. Gen. Brehon Somervell, chief of the army service forces, told the National Association of Manufacturers that new secret weapons, "not yet in use in Europe" are being produced and "must be ready in large quantities for the Pacific pushes."

The above article is a reprint of an article appearing in the December 7, 1944 issue of the Newport News Daily Press.

## STAFF MAY SEE ARMY-NAVY FILM

The Laboratory has been furnished with two motion pictures in connection with the Sixth War Loan Drive. *This is Your War* has been supplied by the Army and *We Said We'd Come Back* by the Navy. The first movie shows how the behavior of people in a small American town has been affected by the war. The second picture shows how our Navy has changed in the last few years and contains interesting shots showing the tremendous variety of ships in an average naval task force.

It includes pictures taken during the attack on Pearl Harbor and the bombardment and capture of Guam by the U. S. Navy, and also shows the firing of powerful battleship guns and rocket ships.

These pictures will be shown first to solicitors for the Sixth War Loan on Saturday, December 9. Thereafter they will be obtainable for showing to various sections of the Laboratory after working hours. Both films require about 35 minutes running time. Any group wishing to see them should call Conrad Lahser of the Training Division or the office of the Sixth War Loan Drive, telephone 2228. It is suggested that share-the-ride clubs should try to see the pictures in a body and thus prevent breaking up transportation for any individual.

## QUOTA CHANGED

The formula used for determining the Laboratory's goal in the war loan drive is computed on the basis of 35% of the September gross payroll; however, there has been an increase in the payroll since September and when computed on the basis of the November payroll, it was found that the quota for the Laboratory would have to be increased to \$64,118.00. Starr Truscott, chairman of the drive, stated, 'The increase should only spur the personnel of the Laboratory to greater efforts.'



# In Our Opinion—

EDITOR

REMEMBER PEARL HARBOR?

This week we go forward into another year of war, the longest war we have known since the 1860's, the most costly war we have ever known.

Looking back we see Pearl Harbor, Corregidor, Wake, Guam, Bataan, Dutch Harbor. We see Guadalcanal, Tripoli, Lae, Pantelleria, Salerno, Normandy, Tarawa, Leyte, Aachen. We see men on our streets with gold buttons in their lapels, with coat sleeves pinned up. We see gold stars in nearby windows.

★ ★ ★

But this is not the time to linger over scenes of past defeat, glory, and tears. Although we now are fighting a winning battle, we have more and harder battles to fight.

★ ★ ★

For the first time in this conflict, Germany is fighting on her own soil. Her people are feeling the complete wrath of righteous might. The green-clad hordes have taken on the job of defending their homeland and are finding the job far from easy.

★ ★ ★

The little yellow men are having it beaten into their maniacal skulls that their island empire is slipping through their fingers. They are learning that Japanese equipment, cunning, and fanaticism are no match for American equipment, tactics, and intestinal fortitude.

★ ★ ★

But the supermen from Germany and their jaundiced partners from Japan have by no means lost the war--not yet. Any rat fights hardest when he is driven back to his own rotten hole. Our job is clear; it is up to us to push him into his hole and push the walls in on him.

★ ★ ★

Of course we shall win. With all our might we shall hasten final victory. But the cost will be great. Many more thousands of brave men must die before the battle can be won. As our air forces wing their way to Berlin and Tokyo, it is up to us to 'sweat it out' in the laboratories, making certain that their planes are the best. The more sweat, the fewer tears, the less blood.

The LMAL Air Scoop, an official publication of Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia is published weekly in the interest of its Laboratory employees. Address contributions to the Editor, Service Building, Telephone 2376.

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## STAFF HIRES NEW RECRUIT

Since this publication set out on its way toward a bigger and better paper for the Laboratory we have been looking around for some experienced help. In the course of our searching, we requested the Employment Office to be on the lookout for experienced journalists.

Of course, any person hired to work on the Bulletin--pardon us--the Air Scoop must be thoroughly qualified and well versed in the wiles and ways of the noble fourth estate. Bearing in mind the qualifications that we were looking for, Norwood Evans has been perusing the applications that flow through the Employment Office with an eye toward our future.

Last week he found something that looked interesting. It was the usual form 57 Civil Service application, addressed to the NACA and completely filled out--in blank. On the back page, in a clear hand, was written 'Scoopie'.

"This", said Evans, "is exactly what Hutton is looking for. This person undoubtedly has the desired qualifications. As a matter of fact, I have never seen anyone whom I believe is more qualified." He hastened to contact Melvin Butler who concurred with his opinion.

Without consulting the Editor (it was so certain we'd agree) Butler dispatched a telegram to this individual and urged him to report here post haste--if not sooner.

No quibbler about salary, Scoopie succumbed to Butler's offer of a job as a penny-a-year man. He telephoned the office to say that he would report for duty the first of next week and that he would allow us to use his exclusive and copywronged feature, "The Adventures of Scoopie" as a regular weekly column of Air Scoop.

We know very little about Scoopie. Who knows? With all his background he may turn out to be another Walter Winchell or another Damon Runyon.

Watch for Scoopie's first appearance next week. We aren't promising what his subject matter or who his subject may be, but we know that his observations will be definitely pertinent, or pert.

DECEMBER 7, 1944

DECEMBER 7, 1944

# SPORTS

## STRUCTURE-FLIGHT GAME ENDS IN TIE

The touch football season came to a dramatic close last Sunday when Structures and Flight, and 8'-LTS and PRT played to scoreless deadlocks on the Hampton high school field.

A surprisingly large crowd turned out for the Structures-Flight encounter despite the snow flurries.

Impartial observers gave the nod to the champs from Structures for putting up the better side of the battle. The Structures captain, Dave Ochiltree, played a stellar game at right end, and was by far the most outstanding man on the field. John Neff reeled off several runs that accounted for long gains. Ross Levin and Harold Crate turned in fine performances at guard for the champions.

Charlie Forsyth was the big gun on the Flight team. As a blocker, he never missed a man, and as a pass receiver, caught nearly everything thrown his way. His long rolling punts got his team out of trouble on several occasions.

Final Standings:

Team	Won	Lost	Tied	Pctg.
Structures	8	0	1	.944
AWT	7	1	1	.833
Flight	6	1	2	.778
8'-LTS	4	2	3	.611
ALD-19'	4	2	3	.611
PRD	4	3	2	.555
Shops	3	3	3	.500
Stability	3	3	2	.500
Tank	3	5	1	.388
PRT	1	4	4	.333
Engineering	2	7	0	.222
IRD	1	6	2	.222
16-Foot	0	9	0	.000

## GIRLS PLAN HOOP LEAGUE

To get the season off to a big start, the Girls' Community Basketball League met at the Industrial USO last Friday night. Eight NACA teams were represented along with several outside groups from Hampton. It was announced that one court had been secured for one night a week, and that practice would begin December 14 at George Wythe Gymnasium. An effort is being made to secure another gym.

It was decided that all teams participating must register and submit a team roster before December 20. NACA teams may register through Annie Young, Office to Counselor of Women. Season tickets will be issued to all players and spectators admitting them free to games at the basketball centers.

On Friday night, December 8, at 5:15, the Governing Board, consisting of a representative from each team will meet at the Hampton Industrial USO to complete plans for the league.

## MEN'S TOURNEY BEGINS DEC. 14

December 14 marks the beginning of play in the Community Basketball League which was recently organized through the efforts of Glenn A. Dowling, Elizabeth City County Recreation Director, with the cooperation of Frank Long, Director of the Industrial USO. The league is made up entirely of LMAL teams.

The County Recreation Director has obtained the use of the George Wythe, Hampton High, and Langley View gymnasiums. Games will be scheduled in the Wythe school gym on Mondays and Thursdays. The schedule for the Hampton and Langley View gyms will be announced later. Present plans call for three games an evening in each of the gyms.

At a recent meeting, representatives of the teams elected Pete Korycinski, President; Frank Read, Secretary-Treasurer; and Charles Clarke, Official League Scorekeeper. The governing body of the league consists of one representative from each team, the league officials, and the County Recreation Director.

Teams included in the league are: Instrument Research, Aircraft Loads, Flight Research Whites, Flight Research Blues, Low Turbulence, PRT, Tank, AWT, Structures, 19-Foot Pressure Tunnel, 8-Foot High Speed, 16-Foot Tunnel, Free Flight, West Shops, and East Shops.

All interested adults and young people are invited to attend the games. The league has to meet certain requirements of the county school board and school officials. In order to induce the players and spectators to help meet these requirements, season tickets have been printed. These are to be signed by the individual upon agreeing to meet the following regulations: (1) to encourage good sportsmanship, (2) to refrain from smoking in the gymnasium, and (3) to go on the gym floor only with rubber soled shoes. These tickets are to be presented at the door of each gym. They may be obtained free of charge from any basketball captain or from the league Secretary-Treasurer, Frank Read, East Engineering.

The complete league schedule will be published as soon as possible.

## FOOTBALL DANCE DECEMBER 15

The Community Touch Football League will present its annual Victory Prom Thursday night, December 7 at the Hampton Armory. Dancing will be from 9 until 12. Music will be furnished by the Modernaires under the direction of Phil Krop. Tickets are \$1.50, stag or couple, and may be obtained from captains of the football teams.

## DEPARTMENT OF MISSING BOOKS

The Library claims that the following books have sprouted legs and walked elsewhere. Will whoever assisted them in their travels kindly march them back.

029.6 T71 1936 Trelease, S. F. & Yule, E. S. - Preparation of scientific and technical papers.

443.2 C 61 Clifton, E. - Nouveau dictionnaire, Anglais-Francais.

541.2 H44 Herzberg, Gerhard - Atomic spectra and atomic structure.

541.9 C42 - Handbook of chemistry and physics, a ready-reference book of chemical and physical data.

551.4 H88F Humphreys, Williams; Jackson - Fogs, clouds, and aviation.

629.1303 P 61 Pierce, Robert; Morris - Dictionary of aviation.

665.5 N 17 Nash, A. W. & Howes, D. A. - The principles of motor fuel preparation and application.

## ART CLASSES

Continued from page 1

Art Gallery, Buffalo, N. Y.; and other gallery and college exhibits. His woodcutting prints are represented in the permanent collections of the Library of Congress, the Brooklyn Museum, the Bibliotheque Nationale, Boston Public Library, Philadelphia Museum of Art, and in many private art collections.

He also is author of several books on woodcutting, book plates, etc. He has illustrated or decorated Robert Frost's poems, *John Henry*, by Roark Bradford, and other volumes.

### NAME NEW SECTION IN PROCUREMENT

Anyone desiring information as to stock or equipment now available for issue, is asked to contact the Procurement Control Section which is a combination of the old Property and Stockroom Offices. In many cases, this section has equipment and supplies which have been received from other sections and may be put into immediate use.



FOR VICTORY  
BUY  
UNITED STATES WAR  
BONDS AND STAMPS  
For your son and my son!  
we MUST win this war!

# LANGLEY SKETCHES

By Herman Ankenbruck

The Spin Tunnel has been called an Army of generals. (Ed. Note:- by the staff of the Spin Tunnel.) Unlike more mundane tunnels in which an apprentice engineer is distastefully referred to as a "Junior" project engineer, the Spin Tunnel rates its novices full project engineers to start with, and then promotes them to the exalted ranks of supervisors and expeditors, as they progress in their struggle for more impressive titles. Originator of this shrewd psychological arrangement and commander-in-chief of the four-star army is Anshal I. Neihouse, bustling, cheerful, bull-voiced section head of the dynamic tunnel.

In the sparsely-settled community of Brooklyn, New York City, infant Neihouse was born on October 19, 1908. This achievement later made him the oldest of two boys and two girls. In order to give young Red a well-rounded education, his parents took him to Poland by way of England and Germany when he was 18 months old. Half a year later the traveling Neihouse clan returned to the U.S. and settled in Newport News.

In this fair city, Red broke the hearts of a multitude of hard-pressed violin instructors by sneaking out to play softball and football during his music practice hours. He also attended grade school and one year of high school in Newport News, but later moved to Maury at Norfolk to complete his high school training. Following graduation, he went to V.P.I. There, in spite of the military curriculum and the fact that most of Red's time was spent playing varsity baseball, basketball and football (he was elected to V.P.I. all-time baseball team, batted about 300, and went four years without a single error), he graduated with honors in 1930 and wears a Phi Kappa Phi key. The next year he earned his MS in Electrical Engineering and accepted a position at V.P.I. to teach Physics and Math.

Neihouse thought of playing professional baseball, but the quiet life at V.P.I. seemed more to his liking, and immediately upon receiving his first paycheck, "Prof" Neihouse was married. It may be of interest to note that while Red was teaching at V.P.I., attending this same school were Kemble Johnson, Melvin Butler, Sherwood Butler, Willard Miller and numerous other NACA men, many of whom were in his classes.

In 1935 Neihouse was offered an appointment to the NACA and, tendering his resignation to the college, came here on Sept. 3 of that year. He worked in the AWT with Wenzinger, Harris and Shortal for eight months doing the slave work on pressure distribution surveys.



From there, he transferred to the Spin Tunnel section which was then under the supervision of Charles Zimmerman. He worked with Seidman and Inlay studying the "beyond the stall" characteristics of most airplanes built during his seven year stay. It was in June, 1943 that Neihouse was transferred to the Stability Tunnel. His transfer back to the Spin Tunnel office as section head in June, 1944 terminated his tour of the Stability Division.

Mr. and Mrs. Neihouse are the parents of one child, Shirley, age 4½ years. Neihouse is active in local affairs and after thirty-four years residence considers himself a Virginian - a sort of "rebel with a Yankee touch." He is a member of the B.P.O.E. and is slated to be Exalted Ruler of the Newport News lodge this coming year.

He is active in NACA sports, bowled a 400 set in duckpins, was elected a member of the all-NACA softball team and this fall started out the football season. But, after the first scrimmage, he admitted that the young kids played too fast a game for him so he quit. This is paradoxical, because anyone who refers to his waistline as being other than sylph-like has to race him 100 yards, and nobody has beaten him yet.

LOST: Man's brown wallet containing important papers. Please return to Joseph Norman Herndon, West Model Shop.

## PHOTO CONTEST PRIZES LISTED

The prizes being offered in the photograph contest sponsored by Air Scoop are first, a \$25 war bond; second \$10 in war stamps; and three third prizes of a carton of cigarettes each.

Judges for the contest have just been announced. They are Margaret Evans, former Art Editor of the IMAL Bulletin and a well known local artist; Leslie Merrel, Chairman of the Air Scoop Advisory Committee; Donald Foster, Photographic Editor of Air Scoop; Tiny Hutton, Editor of Air Scoop; and Gene Pugh, Daily Press Photographer.

## NEWPORT NEWS TO HEAR TALKS

A series of talks by distinguished lecturers is being sponsored by the Peninsula Institute of Public Affairs of the Peninsula Junior Chamber of Commerce, S. R. Buxton Jr., Chairman. These talks will be held in the Newport News High School at 8 p.m. on the dates listed. Admission is \$1.20, tax included.

Dec. 13 - Ray Josephs, correspondent for Chicago newspapers and author of the book, "Argentine Diary", will speak on "Post-war Powder Keg - Argentina."

Jan. 16 - Beardsley Ruml, author of the pay-as-you-go tax plan will speak on "Fiscal Policy for Peacetime Prosperity."

Feb. 27 - H. R. Knickerbocker, roving newspaper correspondent, will tell of his experiences at the fighting fronts in his speech, "Ringside of History."

March 14 - Richard Harkness, N.B.C. radio correspondent in Washington, who covered the Roosevelt-Churchill conferences and many other important assignments, will speak on "Do you Get the Truth From Washington?"

## SHARE HOLIDAY RIDES HOME

If you are driving home for the Christmas holidays, don't go with a partly empty car. Other Laboratory employees are almost certain to want a ride in your direction, and your cooperation will comply with the request from the Office of Defense Transportation to curtail travel on public transportation.

Let the Air Scoop office have full information on when and where you are going and we will try to fill your car. Rides to New York, Philadelphia, and vicinity are especially needed.

Laboratory employees desiring a ride over the holidays should send a note to the Air Scoop office outlining their requirements and we will do our best to arrange accommodations on a first-come-first-served basis.

# AIR SCOOP

LANGLEY MEMORIAL AERONAUTICAL LABORATORY

## "GREEN COW" TO ELECT COMMITTEE

The three remaining members of the executive committee of the Green Cow, Charlie Kelly, Sid Batterson, and Tiny Hutton, announced last week that a new committee for that organization will be elected during the next two weeks.

Four members will be elected to serve for a one-year term, and any member of the Laboratory staff is eligible for nomination. All nominations must be made on the form provided below for the purpose. Ballots should be filled out completely and returned to the Air Scoop Office before the close of work Monday, Dec. 17. Any ballots returned after that time will not be counted.

The 12 persons who receive the largest number of nominating votes will be named official nominees and will be voted on next week. An official ballot for this purpose will be provided in the next issue of Air Scoop.

*(Detach this nominative ballot and return to Air Scoop Office)*

I hereby nominate

For the Executive Committee of the Noble Order of the Green Cow.

Signed:

Section:

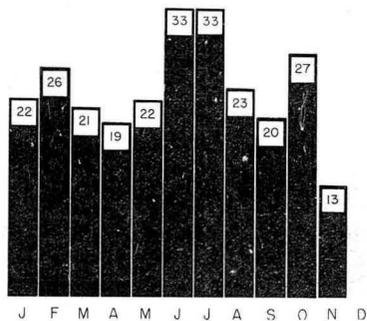
*(This nominative ballot must be in the Air Scoop Office by 4:45 p.m. on Monday, December 17.)*

## LMAL EXCEEDS BOND QUOTA

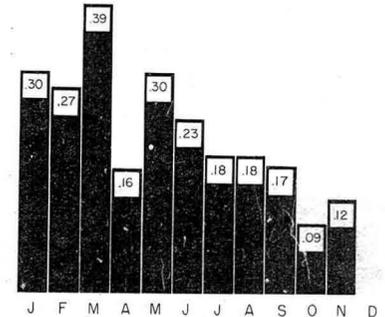
Starr Truscott, chairman of the Laboratory's Pacific War Loan Campaign, announced Wednesday morning that the cash quota of \$64,118 had been surpassed, and that if pay roll allotments live up to expectations, the combined bond purchases during the months of November and December will top the total quota of \$223,288.

## ACCIDENT FREQUENCY RECORD SHOWS BIG IMPROVEMENT IN NOVEMBER

1944  
NACA LANGLEY ACCIDENT STATISTICS  
FREQUENCY RATE



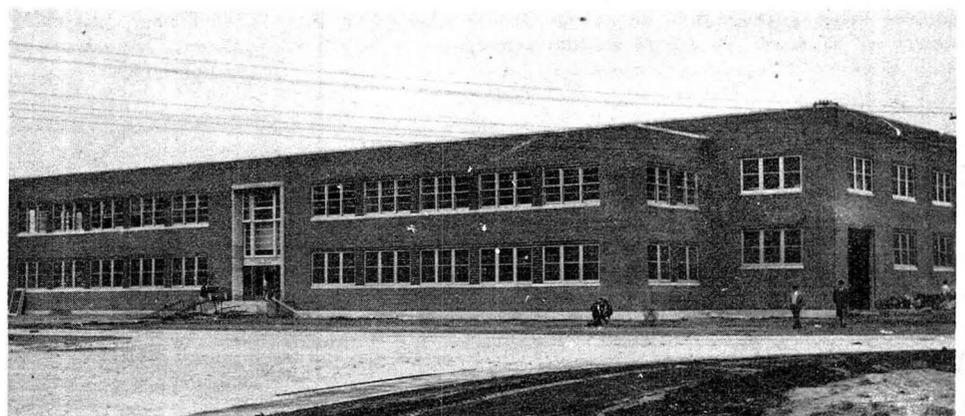
1944  
NACA LANGLEY ACCIDENT STATISTICS  
SEVERITY RATE



The charts illustrated give a picture of the accident record of this Laboratory in the past eleven months. There appears to be a drop in the severity rate over a period of the last six months, which means a corresponding decrease in the number of days lost due to accidents. The frequency rate, however, was not entirely satisfactory. But it is encouraging to note that in the month of November there were 50% less acci-

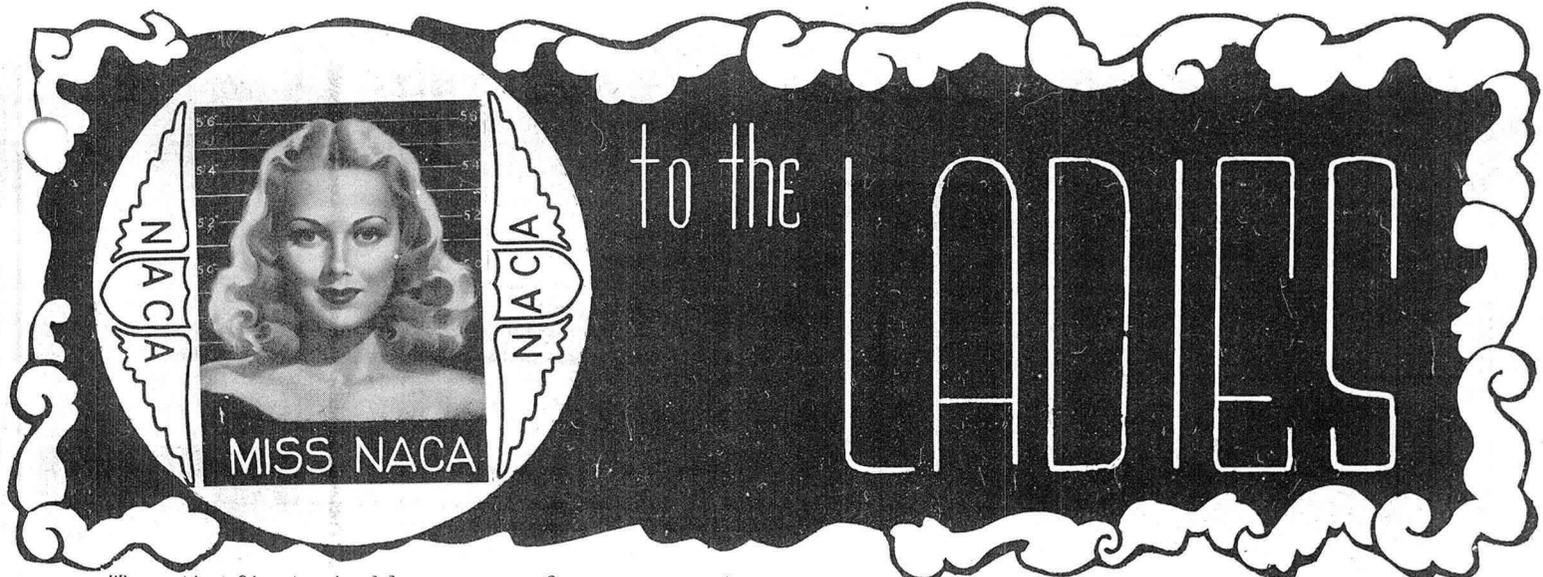
dents than in October.

The necessity of conserving all available manpower at this critical stage of the war cannot be over emphasized. Needless injuries are a waste of this manpower - war's most priceless commodity. Our Safety Committees and Safety Coordinators are working hard to develop safety consciousness in every employee of the Laboratory. With the complete cooperation of all employees this waste may, and can, be eliminat



Pictured above is the new Physical Research Laboratory in the West Area which officials say will be ready for occupancy in the very near future.





When the first sizable groups of women came to work here at the Laboratory, hard-bitten males made the usual dismal predictions and shook their heads with ominous foreboding. But these same sceptics have long since forgotten their prejudices and now wonder (secretly of course) how the laboratory ever got along without its distaff side.

Nine hundred and fifty-five women are now employed here - practically one third of the entire staff. The majority of them do the quiet, unspectacular jobs involved in keeping the Laboratory wheels running smoothly through the welter of paper work that goes with total war. They're the cute youngsters in baggy sweaters and bobby socks who look after the files efficiently and well; who shoulder bags full of messages and somehow get them delivered to the right people. They're the stenographers and secretaries, the mail sorters and typists, the payroll clerks, the telephone operators and receptionists. Their jobs never get any publicity - but business would be at a standstill without them.

The Laboratory has girls in its so-called glamour jobs too, but they would be the first to tell you that they call for plenty of hard work and that the glamour attached to them is purely in the minds of those who don't have to do them. They're the engineers, - aeronautical, mechanical and electrical, - the artists, draftsmen, laboratory technicians, research experts - the list is endless. And it includes an impressive number of girls whose pert figures and pretty faces belie the implications of their "Mathematician" rating.

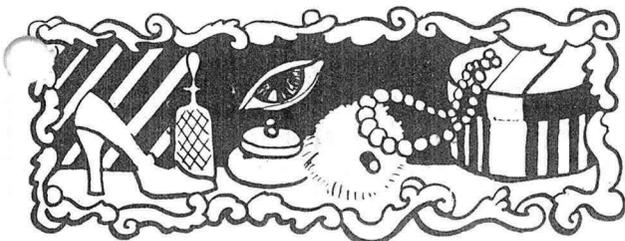
And finally, there are the NACA girls who have rolled up their sleeves, laughed at convention, and pitched in to do a man's job. You see them in every section and every department - women in steel masks holding a blue-white welder's flame steady, girls whose toes barely reach the accelerator driving buses and trucks around the field.

Feminine hands set rivets, hold spray guns, work with sheetmetal and do many, many other essential jobs that were formerly men's exclusive territory.

They are from all parts of the country, from all walks of life. A girl whose voice carries the unmistakable stamp of New York works next to another who pronounces her home state "No'th Cahlinah." A tall blonde from Minneapolis and a petite brunette from New Orleans work for the Laboratory while their husbands in khaki are marching across Langley Field. A two carat diamond flashes on one carefully manicured hand as it skips over typewriter keys, but it's no richer in sentiment than the tiny chip on a grubby little finger in the machine shop.

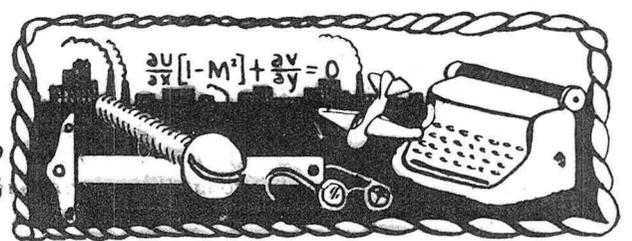
Many a gay smile hides a heavy heart - a heart sick with worry over a husband, son, brother or sweetheart "over there." But the thought that she is helping in some small way to develop the air supremacy needed to bring that boy back sooner helps to ease the pain of separation. And every girl here in the Laboratory does help do just that. It may seem a long way from a filing cabinet to the battlefield, but the little jobs are the horse-shoe nails that can win or lose battles.

The women at NACA range from 17 to 50 in age. Every race and creed is represented. They're as variegated a group as it would be possible to imagine. But one thing binds them together. You can see it in their eyes when they pass Old Glory flying proudly over the field. You can hear it in the ringing pride of their voices when they talk about the new planes developed in this Laboratory. Though they'd probably deny such lofty sentiments, their every action betrays their intense patriotism, their desire to help end this terrible war, and their joy in being able to do their bit to accomplish that end. So we say, here's to the ladies! God bless them.



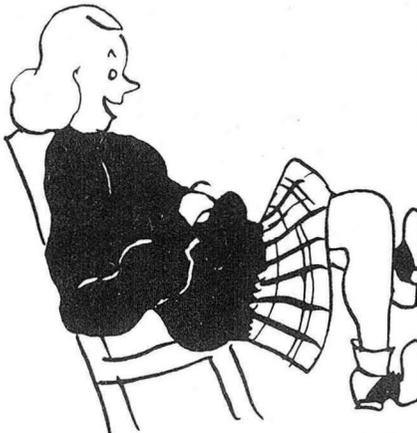
AIR  
SCOOP

ISSUE 52, VOL. 3



# FASHION DEPARTMENT

Pint-size skirt and tent-size sweater  
Wonder what such garb will get her?



Men who view her think that she's  
An animated Christmas tree.



They demonstrate a well-known fact  
"So round, so firm, so fully packed."



## Question: "What Is Your Candor ASKED OF PROMI EN



*John Houbolt, Structures:* The question is a bit too general. How can one, with fairness and due respect, envelop with a few paltry adjectives such social graces as charm, appearance, intelligence, sincerity, and the like. The enjoyment found in the company of women depends upon the degree to which they possess characteristics which fit the situation. Suffice to say that the way these guys around here drool while in the presence of a 'frame dame' is not caused by infected teeth.

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*Sidney Batterson, Impact Basin:* Why don't you just ask me what I think of women in general - why narrow it down to the girls here? I think women are wonderful. We couldn't get along without them. The mothers of some of our most famous men were women. But I would like to make one teeny-weeny suggestion. Girls, must you wear those huge sweaters? Don't you know it's unpatriotic to waste wool that way? Why not get them to fit or maybe a size or so too small.



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*Ray (Wolfie) Comenzo, Atmospheric Wind Tunnel:* I don't have anything to do with girls. It's not that I don't think they're nice - I do. But nobody ever introduces me around and I don't know what they would think of me if I spoke to them without a proper introduction. Besides, I'm the bashful, retiring type that likes nothing better than to curl up with a good, improving book after a hard day's work. Just because of my nickname people ask me if I'm a wolf like the other guys in this section, but I always say "Nooooooooooooooooooooo."

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## COOKIN' WITH GAS

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Let's stand over the Bunsen burner and with our diabolically dexterous hands manipulate the grease pan. NO POINTS is our motto, with the byword Technical Service efficiency. Late workers who are racking their brain for that last minute Christmas delicacy will welcome this tasty receipt. What could please HIM more than a Pecan Cake made in his own machine shop?

- 1 cup shortening
- 1-1/2 cups granulated sugar
- 6 eggs
- 4 cups sifted cake flour
- 1 teasp. baking powder
- 2 teasp. ground nutmeg
- 1/2 teasp. salt.
- 1/4 cup port wine or molasses
- 5 cups seedless raisins
- 4 cups pecan halves

Work shortening with chisel until fluffy and creamy. Add sugar gradually, while continuing to work with chisel until light. The mixing bowl should now be mounted on drill press and two screw drivers mounted in chuck, 20° degrees apart. Add eggs, one at the time, beating well in drill press after each addition. (Run drill press at spindle speed of 250 RPM.) Sift together in oil filter two cups flour, baking powder, nutmeg and salt. Add to mixture, beating in drill press until smooth.

Measure wine of S.A.E. Viscosity No. 3 in Saybolt Universal and stir into mixture with chisel.

Mix remaining two cups of flour with raisins and pecans (pecans should be cracked in vice and picked out with scriber) and chisel into batter. Turn into ten inch greased albanine-paper-lined metal tool chest. Bake in screw cabinet over two Bunsen burners at 325° F for about 1 3/4 hours, or until done. A piece of 1/8" drill rod should be machined down to 1/16±.0005" in diameter and substituted for straw in testing. Makes five pounds of cake. Finished product is then mounted on lathe and machined to desired diameter.

STAFF  
for  
Women's Section

EDITOR:

Ruth Angel

GUEST EDITORS:

- Claire Burki
- Ann Boatright
- Nancy Shelton
- Eloise Lada

ART EDITOR:

Dot Severance

# Opinion Of NACA Women?"

## T NACA BACHELORS



*Billy Bates, Atmospheric Wind Tunnel:* Until you mentioned it just now I hadn't noticed that any women worked here. I am too engrossed in my work to bother with such adolescent nonsense like these other foolish fellows. But my ideas on all women go for the NACA brand too. I say down with women! They're the downfall of men - the curse of the world! Fortunately I was warned about them early so I ignore them, in spite of the way they pursue me. I am a bachelor and intend to stay that way. Phooey on women!

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*Melvin (Rhett) Butler, Head of Personnel Division:* The NACA girls are indeed a luscious group...friendly, cooperative and pretty. My only complaint is that there aren't enough of them. As I sit here in my luxurious office watching the dear things flit about, I sometimes am conscience-stricken for accepting a salary for a job that is such a constant pleasure. I like them all, yet I love but one - at a time.



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*Joseph Schommer, Instrument Maker:* How can I possibly comment on the belles of NACA in less than five or six volumes? I could talk for days on such an enchanting subject. Where else but at LMAL could one find such charm, grace, wit, vivacity, beauty, intelligence and general all-around yumminess? They're really terrific. Furthermore, I wish to state that I think the NACA girls are wonderful, gorgeous, cute... (Ed. Note - two more paragraphs of similar sentiments deleted because of paper shortage. You get his general idea.)

## SPOTLIGHTING MISS LMAL



Jean Allen, alias Miss LMAL, is just what a beauty is suppose to be. Her hair is blonde, both eyes are blue, and she has twenty-four teeth. She was born in Newport News and has had a different birthday every August 26 for the last eighteen years. When Jean was first born, she began to grow and now has reached an altitude of five feet-five inches (approximately the height of a broom) and has a gross weight of 114 pounds str---- (in her stocking feet). The 114 pounds are well distributed along the 5'-5".

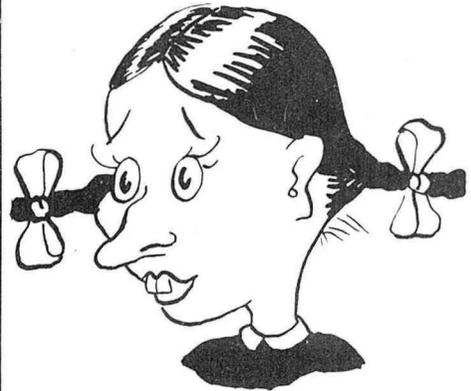
Jean went to school at Newport News High and studied a commercial course at the same time. She wanted to be a secretary and was sent to NACA by her teacher, although she had no idea of getting a job. Just the same, she was hired and has been with NACA since June, 1943.

Next to her work at Files, Jean's main interest (and this will be a blow to the men) is Milton Council, a Pfc. at Camp Cooke, California, who is a holdover from high school "puppy love" days. And in connection with this, we learn that Jean has made postwar plans that do not include the NACA - she wants to do house work.

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## BEAUTY DEPARTMENT

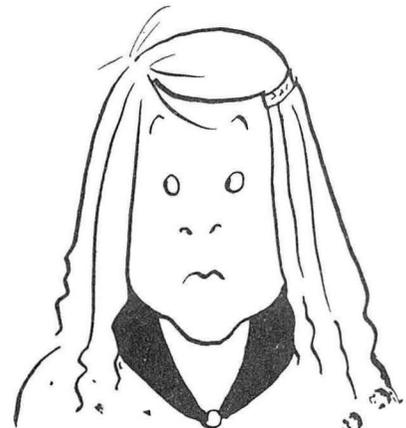
Hair in braids should be taboo  
For women over twenty-two.



Backward, look backward dear friends when  
you comb  
Your hair from your neck to the top of  
your dome.



"My hair's a fright," this gal laments  
"I can't get leave for permanents."



# ★ ★ ★ TECHNICAL NOTE 000 ★ ★ ★

AN INVESTIGATION OF HIGH AND LOW POWERED MODELS  
TESTED AND UNTESTED AT THE NACA

By Cosmos Esekopf  
Aeronautical Engineer

**SUMMARY**

*When you get to a man in the case  
They're alike as a row of pins,  
For the Colonel's Lady and Judy O'Grady  
Are sisters under their skins.*

**INTRODUCTION**

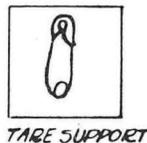
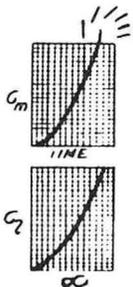
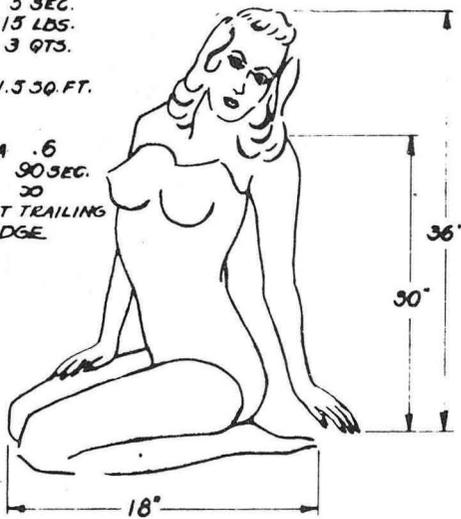
This investigation comes as a result of previous investigations (references 1 to 3). For a complete introduction to the problem see reference 4.

**APPARATUS AND TESTS**

The models tested were of the twin motor types. These models were characterized by fairly forward location of their c.g., low aspect ratio, and definite stalling characteristics. (See figure 1 for typical model.) Leap Year was taken to be constant during this investigation.

**NOTE: FULL SCALE DATA**

- WING SPAN 78 IN.
- TAKE OFF TIME 5 SEC.
- GROSS WEIGHT 115 LBS.
- FUEL CAPACITY 3 QTS.
- MAX. GROSS SEC. AREA 1.5 SQ. FT.
- LONGITUDINAL LOCATION OF MAX. GROSS SEC. AREA .6
- LANDING TIME 90 SEC.
- POWER 30
- AIRFOIL SEC. BLUNT TRAILING EDGE



**FIGURE 1.- 1/8-SCALE MODEL OF THE SE-X 1.**  
(MODEL AVAILABLE FOR MILITARY USE)

**RESULTS**

A definite rise in the birthrate curve has been noted - the number of marriages in the past 6 months being approximately 100 and the number of children being approximately 150<sup>a</sup>.

**DISCUSSION**

Some of the data obtained in the investigation are plotted in figure 2. Although there is some scatter in the data, a fairly definite trend can be noted and by taking averages the faired curve shown in figure 2 was obtained. The results may appear surprising to some, but they have been known for some time to experienced students of the subject. As noted on plot, the curve shown is certainly a mean curve. The conclusions to be drawn from figure 2 are self-evident.

For those interested in a change in their marital status so that they may obtain one of the new dark blue badges, figure 2 may be used as a design chart.

The remaining data obtained in the investigations are tabulated in Table 1. The last item furnishes a fertile field for future investigations.

**CONCLUSION**

Since the new replacement program is opening new horizons for our models to conquer, it is suggested that Congress make adequate appropriations to facilitate future investigations of this nature.

A. Note: Possibly due to previous marriages.

**References:**

- 1 - Adam - "Eden Publications"
- 2 - Casanova - "A-h-h-h-h!"
- 3 - Lotharis - "Acres and Acres"
- 4 - Hampton 2021, #939, 4-7284, 2-3997. For Newport News Numbers dial 9 first.)

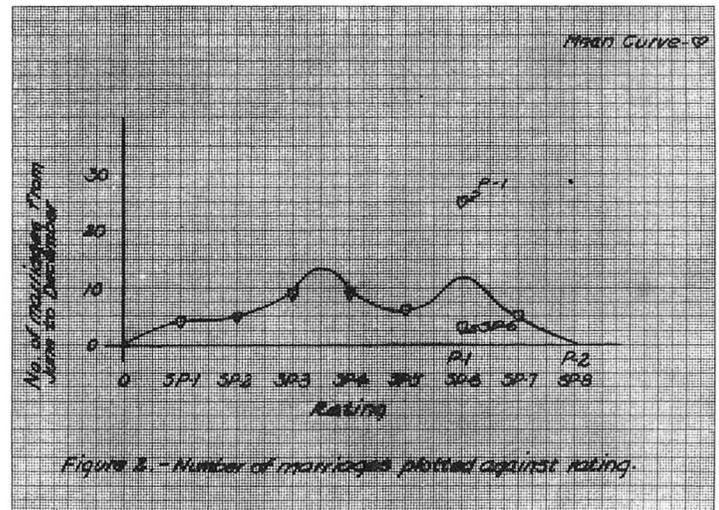


Figure 2. - Number of marriages plotted against rating.

Total No. of women	955
Married women	502
Single women	453

★ ★ ★  
TABLE 1  
★ ★ ★

# Adventures Of Scoopie

We received a telegram last Friday ading, "Will report for duty Saturday. Signed: Scoopie". The office was thrown into a dither. The dither threw the office right back and everyone went to work to make final preparations for Scoopie's reception. You see, it isn't every day that we get a new employee.

Saturday morning found the entire staff waiting in hushed expectancy. Tiny was seated at his desk, be-splendent under his new haircut. Ruth and Dot were fighting for a vantage point from which to view the entrance of this new eligible bachelor. Claire Burki was seated at the typewriter, waiting for that first interview, and Don Foster was perched atop the file cabinet, Speed Graphic in hand, anxious for that first photo.

We sat like that for nearly three hours - but no Scoopie. A call to the Employment Office revealed that he had not reported there. A call to the pass officer found out that he hadn't shown up at the gate. After a disappointed day, we all went home.

A little after noon on Monday, Scoopie staggered in. His first words were, "I'm resigning!" (Ed. note: It seems that he had experienced a little difficulty getting here and since his arrival, had run the gamut of paper work in the Personnel Office.)

After an original interview we convinced him of the importance of his work and assured him that everyone else who had come to work here had had the same difficulties. We also told him that the administration would be tickled pink if he could devise some method of shortening the paper work. His comments were the type that we would love to print, but in defense of good journalistic taste, dare not.

Scoopie is a dynamic looking little imp, not unlike his sketch in the mast-head. His height hasn't been measured yet because he hasn't stood still long enough but the few observers who have seen him are willing to wager that he is no more than an inch tall.

The reason he didn't show up last Saturday was because he got lost. Like a good many other folks, Scoopie came down on the train to Cape Charles and then took the steamer over to Old Point. At least he got on the boat bound for Old Point - so he thought. He noticed a large brick building passing off the starboard beam and asked a fellow pas-

senger what it was. It turned out to be the Hotel Chamberlin and Scoopie found that he had taken the boat that went direct to Norfolk. So, he resigned himself to his fate. Getting from Norfolk to Langley Field would be simple.

When he disembarked at the Norfolk docks, he was one of the few fortunate enough to grab a taxi. The taxi driver assured him that the easiest way to get to Langley Field was by way of the Newport News Ferry, so off they went. When they reached the ferry landing, Scoopie was nearly mobbed getting out of the cab by 17 sailors who were trying to get in. After paying the driver a measly four bucks, Scoopie meandered toward the ticket window. He paid the 20 cents and headed down the dock just in time to see the boat leave. It was the time of day when they change from a 20 minute schedule to an hourly schedule. The next ferry would be along in an hour. "Such a business," Scoopie grunted.

When he finally got across the Roads to Newport News he began asking how to get to Langley Field, but everybody he asked happened to be from North Carolina and the only place they knew was the shipyard so they directed him there.

After searching for an airplane amid the dark hulls of flattops and landing boats, he figured he must be in the wrong place, and not wanting to trust any more locals, decided that he'd better shift for himself. So he boarded the next streetcar that came along and wound up two hours later in Buckroe Beach. He got off there and wandered into a nearby beer joint. He'd probably be there yet if a soldier had not taken pity on him and found a cab driver friend who promised to bring our little compatriot out here. Scoopie arrived at the gate, paid the driver three dollars, dismissed the cab and found that the NACA had gone home an hour before. A broken, beaten little man, he got on a bus (hours later), went into Hampton, and spent Saturday night in the lobby of the Hotel Langley under the writing desk.

His first Sunday in Hampton is a story that he would rather not go into.

Came Monday morning and he showed up at Langley Field. Then came the paper work. Scoopie decided that he had rather wait until he had rested before telling us about that, so he went on back to Hampton with hopes of getting some sleep. We haven't seen him since.

## ATHLETIC GROUP TO MEET DECEMBER 21

The Hampton Athletic Association will meet on Thursday, December 21 for the purpose of scheduling a program and discussing the procurement of equipment for 1945. Officers will be elected and committees appointed. Motion pictures on the training of athletic groups in calisthenics will also be shown. These pictures are supplied by the Army Air Force at Langley Field.

The meeting will be held in the Athletic Division of the Syms-Eaton Building in Hampton at 7:30 and all interested persons are invited to attend and become members of the group.

## TOUCH FOOTBALL DANCE TONIGHT

The Annual Victory Prom of the Community Touch Football League will be held tonight (Friday, Dec. 15) at the Hampton Armory. Music is by Red Overton and his orchestra and tickets are \$1.50, stag or couple. There will be no ticket sale at the door and all ducats must be purchased in advance from captains of the football teams.

A special attraction of the dance will be the announcement of the All Star team for the year. The team is being chosen by a board of league officials and is based on the all-opponent teams named by each team. The complete All Star roster will be named in next week's issue of Air Scoop.

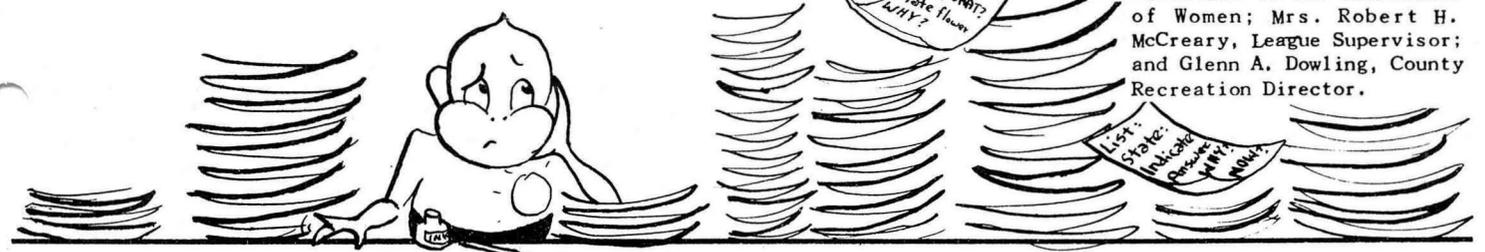
LOST: Grey Lifetime Parker fountain pen with the initials "AV" scratched crudely on silver band. Janet N. Harness, 16-Foot Tunnel.

## GIRLS LEAGUE HOLDS ELECTION

Shirley Huxter, 16-Foot Tunnel, was named president of the Girls' Community Basketball League at a meeting held last Friday at the

Industrial USO. Nancy Read, representative of the combined Presbyterian Church-Citizens Bank team, was elected secretary-treasurer.

A governing body was set up, consisting of representatives from each of the 12 teams and the league advisors, Mrs. Lauretta M. Muir, Assistant Director of the USO; Miss Annie Young, Assistant to the Counsellor of Women; Mrs. Robert H. McCreary, League Supervisor; and Glenn A. Dowling, County Recreation Director.



## MEET THE COMMITTEE

Dr. Jerome Clarke Hunsaker, Chairman of the National Advisory Committee for Aeronautics, recently reappointed to the Committee by President Roosevelt, has been interested in the theory of flight ever since a boyhood hobby of taxidermy led him to study the wing structure of birds. Born in Iowa in 1886, he graduated from the Naval Academy at Annapolis in 1908 at the head of his class and the next year transferred to the Massachusetts Institute of Technology for graduate study in Naval Architecture.

Impressed with the brilliance of the young engineer, M.I.T. requested the loan of Hunsaker from the Navy in order to develop the then new science of airplane design. He was sent to Paris where he worked with Eiffel and also to Germany where he strained his welcome by a too-searching inquiry into the construction of zeppelins - knowledge that was to be invaluable later in the construction of American lighter-than-air ships.

Returning from Europe, Hunsaker utilized his knowledge of dynamic stability of airplanes in the construction at M.I.T. of the first American wind tunnel in 1914 and instituted there the first course in Aeronautical Engineering in the United States.

With the outbreak of World War I, Hunsaker was recalled to Washington where he became responsible for all naval aircraft design, construction and procurement. He was awarded the Navy Cross for this work. In 1918 he was assigned to design and build the dirigible Shenandoah and three flying boats of the NC type. One of the latter was the first aircraft of any kind to cross the Atlantic.

Transferred to the newly-formed Bureau of Aeronautics in 1921, he was responsible for the development of launching catapults, arresting gear for carrier landings, the air-cooled radial engine (with Lawrence), the torpedo plane, and many improvements in patrol aircraft.

He was appointed Assistant Naval Attache in London, Paris, Rome and Berlin in 1923 and he held this post until his resignation from the Navy in 1926 with the rank of Commander, in order to join the Bell Telephone Laboratories in New York where he was responsible for the development of



wire and radio communication services for aviation.

In 1928 Hunsaker joined P. W. Litchfield in forming the Goodyear-Zeppelin Corp. to build the dirigibles Akron and Macon. With the completion of these aircraft, he returned to M.I.T. as head of the combined departments of Mechanical and Aeronautical Engineering.

In later years, Dr. Hunsaker has been concerned with the practicability of airships for transoceanic mail and passenger service and his work in this connection has resulted in research in ocean weather, improvement in safety and economy and the solving of many problems on the technical practicability of such an undertaking.

Dr. Hunsaker is a member of the American Society of Naval Architects, Society of Automotive Engineers, Honorary Fellow of the Royal Aeronautical Society of Great Britain, Fellow of the American Physical Society and Honorary Fellow and Past President of the Institute of Aeronautical Sciences. He received the Daniel Guggenheim Medal in 1933 and the Franklin Medal in 1942. On August 1, 1941 he was appointed to the NACA by the President and elected Chairman a position he has held ever since.

(Ed. Note - This is the first of a series of articles on members of the National Advisory Committee for Aeronautics. Next week - Orville Wright.)

## NEW BUS PROPOSED FOR WEST AREA

After studying means to relieve the congested transportation to the West Area, conference groups have suggested to the Citizen's Rapid Transit Corp. that an extra bus be added during the morning and evening rush hours. The bus company has taken the suggestion under advisement and information on the new schedule will soon be forthcoming.

The Citizen's Rapid Transit Corp.

also wishes to call the attention of new NACA employees to the special bus already running to the East Area. This bus leaves Claremont and 1st Sts. at 7:30 a.m., goes to the waterfront along Claremont and to LaSalle Ave. via Hampton Roads Ave. It then follows the trolley car line to Hampton and thence along the regular bus route to Langley Field, arriving about 8:05 a.m.

## NEWSMAPS POSTED THROUGHOUT LAB

NACA employees can keep up with war news through the interesting Newsmaps which have been placed in 14 localities throughout the Laboratory. These were procured by the Training division through the cooperation of Capt. George J. Miller of the Army Office of Information, Special Services Division.

These Newsmaps are prepared by the Army Air Force and come out on Wednesday or Thursday of each week. On one side are large-scale maps of the current theatres of war on which are diagrammed the important actions of the previous week. These are also described in the accompanying text. After three days, each newsmap will be reversed, to show the latest Signal Corps news pictures from the battlefronts.

The Newsmaps are now posted in the East Area Cafeteria, Utility Building, Full Scale Tunnel, Hangar, 19' Tunnel, Physical Research Office, Warehouse Building, Atmospheric Wind Tunnel and Two Dimensional Tunnel.

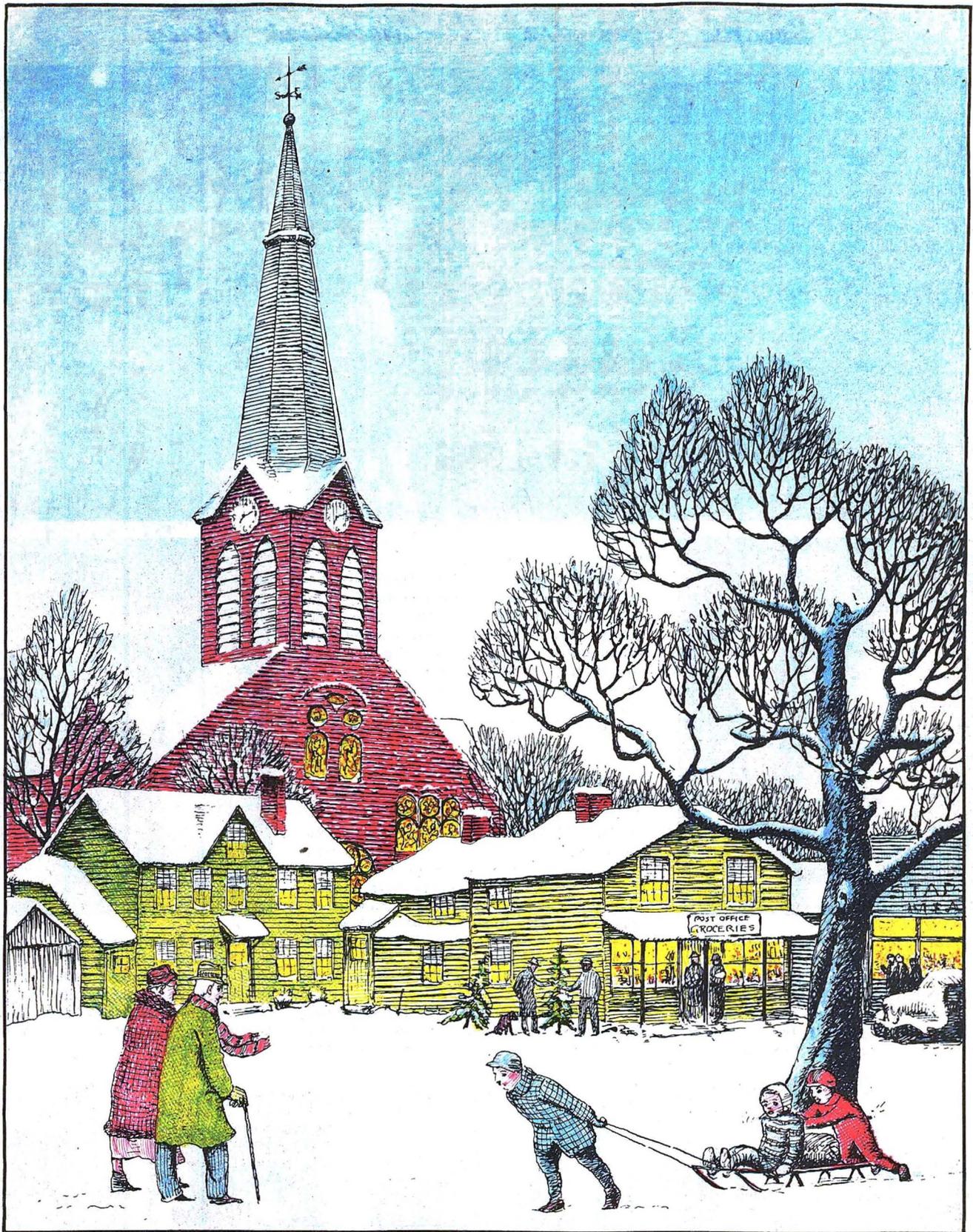
## DRIVING HOME? SHARE YOUR RIDE!

The Air Scoop Office has received a dozen requests for holiday rides home for every person reporting that he can take extra passengers. We are certain there must be others driving home who haven't given their names to us. There is just a very short time left - so call up the office or send in a note today giving us full information as to where you are going and when, and the general route you are taking. We will then give you the names of fellow employees who would like a ride so that you can make arrangements regarding expenses and driving directly with the persons interested.

Other employees desiring a ride home should send a note at once to the Air Scoop Office outlining their requirements, and indicating whether or not they can help out with gas coupons or driving. We will do our best to fill needs exactly, but if that is not possible, a ride part of the way might be arranged.

FEDERAL CREDIT UNION OFFICE  
WILL CLOSE DECEMBER 18-31

The LMAL Federal Credit Union Offices will not be open from Dec. 18 to 31 inclusive. No loans will be made during this two-week period and collections will be received only on Dec. 22 in the East Area between the hours of 11:30 and 4:00. The Credit Office requests all employees to have their payments ready on those dates. Further information may be obtained from Mrs. Modesta Roberts at 2247.



 Greetings 1944-1945 

# Scoopie Goes To A Christmas Party



party was in full swing.

When I got there, the first thing I saw was John Dawson, shaking hands with Sgt. James Mason while Mrs. Mason and Lieut. and Mrs. Harriman looked on. Bruce Amole was checking the gift list, and taking in the whole scene were Sue Camp, Charlotte Lide and Louise Phillips. See the picture in the upper left for details. (Boy, Dick Everett and I are some photographers!)

Jack Parkinson went over fine as Santa Claus. Upper right, Jack's wife, Lucille, helped round him out. All the kids, especially Beverly Ann Stubbelfield and Ken Wadlin, Jr., seem to enjoy Santa, lower left, and Santa seems to enjoy Charlotte Lide. Mr. Claus' two favorite little boys appear with him in the lower right hand picture. They are Junior Dawson and yours truly. Now I'm sure to get what I want (a miniature Lana Turner). (Ed. note: Dawson presumably must shift for himself.)



The party was a howling success. Everybody brought his kids and left his likker (if he had any) at home. All

that coke and no rum was a bit unusual, but I managed to get my thimblefull of coke. I had a super time and was sorry to see things break up, but I guess Dawson and the other kids had to get to bed so they'd be up in time for Sunday School.

Boyoboy, did I have a swell time! Here I have been here only a week and I get myself invited to a Christmas party! So last Saturday night I borrowed my landlady's iron, pressed my new and only suit, and took off for the Symes-Eaton Center where the Tank Christmas

## Greetings from the Air Scoop staff





LANGLEY MEMORIAL AERONAUTICAL LABORATORY

## STACK DELIVERS WRIGHT LECTURE

On December 17, the 41st anniversary of the first successful flight of an airplane, John Stack, chief of the compressibility division at LMAL, delivered the annual Wright Brothers lecture in Washington before a distinguished group, including Orville Wright. The subject of his lecture was 'Compressible Flows in Aeronautics.'

The difficulties which Stack discussed in length are those imposed by the military demand for high-speed aircraft, particularly the problems resulting from 'compressibility effect'. This is an effect which shows up whenever the air flowing over any part of the plane surfaces approaches the speed of sound. Under such conditions, shock waves form, the drag of the plane increases dangerously and the lifting capacity of the wings deteriorates.

Stack outlined the history of compressible flow as an aerodynamic problem, and discussed the studies initiated by the NACA in the effort to understand the phenomena better and to develop ways of postponing or avoiding compressibility effect. He told of the series of NACA high-speed wind tunnels which were built before the war and which have proved of great value for the war effort. As an example of the work of NACA in delaying compressibility effect, Stack pointed out that a form of cowling developed through its research in the high-speed wind tunnels, has raised the critical speed to nearly 500 miles per hour at sea level. This cowling, known as the NACA C cowl, has nearly universal acceptance on modern aircraft having radial air-cooled engines, and further NACA research has developed newer cowlings for still higher critical speeds, approaching 80% of the speed of sound, or around 600 miles per hour.

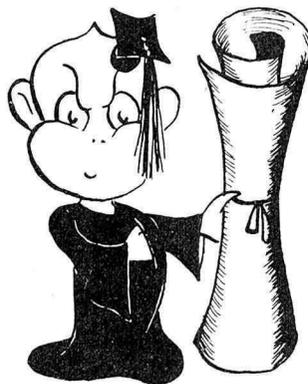
Stack also discussed the effect of compressibility on aircraft stability and control and referred to the use of re-recovery flaps - devices first proposed and investigated in the NACA 8-foot high speed tunnel at Langley Field, and later further investigated at the Ames Laboratory.

## PAYROLL REVISION GRADUALLY WILL CHANGE PAYDAYS TO 10 AND 25

### REGISTER FOR FREE CLASSES

Under the auspices of the local war training program, directed by Luther W. Machen, tuition-free evening courses in the following subjects will be offered at Hampton High School starting Jan. 8.

Blueprint Reading I & II; General Mathematics (Shop Math I); Algebra (Shop Math II); Geometry (Shop Math III); Trigonometry (Shop Math IV); Logarithms, Slide Rule and Analytic Geometry (Shop Math V); Physics I (molecular behavior, pressure in fluids, specific gravity, atmospheric pressure, Boyle's law, energy, power); Physics II (heat, humidity, sound, and light); Mechanical Drawing; Mechanics and Strength of Materials (beginners and third term); Machine Shop Theory; Sheetmetal Layout; Metallurgy; Use of Machinery's Handbook I, II, III; Simple Aeronautics (a study of the principles of flight and the parts of airplanes and their functions); Advanced Aeronautics; Watchmaking.



If there is sufficient interest in other courses they will be added to the above list. The number of registrants will determine whether other subjects will be given.

The classes will be conducted from 7 to 9:30 p.m. on Mondays and Wednes-

Pay periods and paydays for Government employees will be revised and standardized on January 1, 1945. This directive of the Director of the Bureau of the Budget for all Government agencies is the result of a recommendation made by a joint committee representing the General Accounting Office, Treasury Department and the Bureau of the Budget. This committee made an intensive study of payroll administration and developed proposals for major changes and simplification in payroll procedures.

Beginning January 1 it is intended to reduce the number of days of anticipating the payroll until the preparation of the payroll will be made after the entire pay period has been completed. In the past, payrolls have been prepared in advance which has resulted in cancelling numerous checks, preparing supplemental payrolls and making many adjustments in accounts. These factors have increased the cost of operation and delayed payment to employees involved.

Since the Laboratory is now being paid 5 days after the close of the pay period it will not be necessary to start staggering dates of payment until March 21 and 1 day thereafter until payments are made on the 10th and 25th of each month. These dates will be arrived at approximately June 25.

The Director of the Bureau of the Budget has directed that payments shall be made within 12 days after the close of the pay period but the Fiscal Office is studying new payroll procedures which will cut the time of payment down to 10 days, and possibly less once the procedures are in operation.

(Ed. Note - Don't get worried - the all-important January 5 check will be here at the usual time.)

To register, call Frank Penland, Apprentice Office. Phone 2256. Registrations close January 6, 1945. Persons other than NACA employees may register at Hampton High School between 7 and 9 p.m. on January 3.



# In Our Opinion—

EDITOR

AND IT CAME TO PASS....

And it came to pass in those days that there went out a decree from Caesar Augustus, that all the world should be taxed.

And all went to be taxed, everyone into his own city.

And Joseph also went up from Galilee, out of the city of Nazareth, into Judea, unto the city of David, which is called Bethlehem; (because he was of the house and lineage of David:)

To be taxed with Mary, his espoused wife, who was with child.

And so it was, that while they were there, the days were accomplished that she should be delivered.

And she brought forth her firstborn son, and wrapped him in swaddling clothes, and laid him in a manger; because there was no room for them in the inn.

And there were in the same country shepherds abiding in the field, keeping watch over their flock by night.

And, lo, the angel of the Lord came upon them, and the glory of the Lord shone round about them, and they were sore afraid.

And the angel said unto them, Fear not: for, behold, I bring you good tidings of great joy, which shall be to all people.

For unto you is born this day in the city of David a Savior, which is Christ the Lord.

And this shall be a sign unto you; Ye shall find the babe wrapped in swaddling clothes, lying in a manger.

And suddenly there was with the angel a multitude of the heavenly host praising God and saying,

Glory to God in the highest, and on earth peace, good will toward men.

And it came to pass, as the angels were gone away from them into heaven, the shepherds said one to another, Let us now go even unto Bethlehem, and see this thing which is come to pass, which the Lord hath made known unto us.

And they came with haste, and found Mary, and Joseph, and the babe lying in a manger.

And when they had seen it, they made known abroad the saying which was told them concerning this child.

And all they that heard it wondered at those things which were told them by the shepherds.

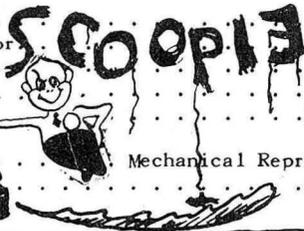
But Mary kept all these things, and pondered them in her heart.

And the shepherds returned, glorifying and praising God for all the things that they had heard and seen, as it was told unto them.

St. Luke 2:1-20

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## COW DANCE JAN. 5

C. Hightower Kelly, E. McKinley Hutton, and S. Fatso Batterson, High Moguls of the Noble Order of the Green Cow, have thrown their collective heads together and hatched a fiendish plot to have a costume dance.

No foolin'. It has been officially stated that the Green Cow will sponsor a post New Year's Eve brawl in the form of a Shipwreck Shuffle on Friday, January 5, 1945, at the Hampton Armory (where else?).

The staggering part of the news is the fact that admission to this extravaganza may be gained by Green Cow tickets for 1944.

The Executive Committee, composed of the aforementioned gentlemen (pure editorial comment), stated that no one will be admitted without costume, and that the correct costume for a Shipwreck Shuffle is what one would be expected to wear if he (1) had been shipwrecked, (2) was on his way to a shipwreck, or (3) had been living on a desert island with Hedy Lamarr for the past three years.

## AIR FORCE LEAGUE

Formation of the Air Force League, a national civilian organization devoted exclusively to working for a permanently strong and modern United States Air Force, was announced this week by Charles E. Wilson, president of General Electric. The organization will seek to enroll as members all air-minded persons in America in order to promote national security and world peace. The League also plans to aid the development of military aviation by founding university scholarships for young men in the field of aviation.

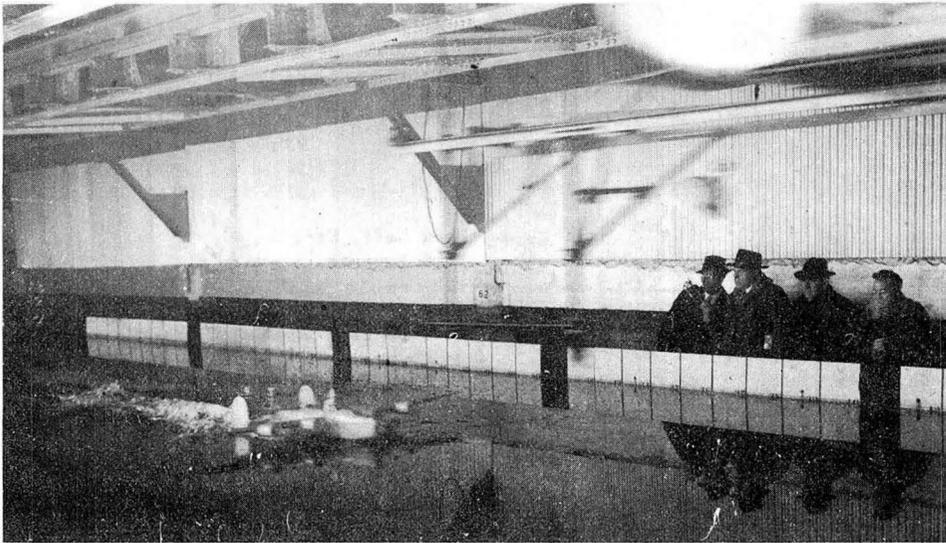
General H. H. Arnold, commanding general of the A.A.F., gave his approval of the League by stating that no work is more important to the future welfare and security of the country and to the peace of the world than the creation of such an organization.

## TAX SCHEDULE

Printed as a special insert in this issue is the new withholding tax schedule effective January 1, 1945. For simplification in finding your tax the first column shows the annual base pay.

In order to determine the tax which will be deducted each pay period, first find your annual base pay, then look in the column under the number of withholding exemptions which you claimed on the new Form W-4. The amount you find is the amount which will be deducted from your check each pay period. This figure is based on your total gross earnings - base pay plus the corresponding overtime.

# ARMY HOUR BROADCAST FROM LMAL ON WRIGHT FLIGHT ANNIVERSARY



Starr Truscott, Chief of Hydrodynamics Division and John Dawson, Head of Tank No. 2, describe the research in ditching procedure being conducted in Tank No. 2.



Hartley A. Soule, Chief of Stability Division, and 'Red' Neihouse, Head of the Spin Tunnel, broadcast from the Spin Tunnel while a model is tested. John F. Victory, Secretary of the NACA is in the background.



Melvin Gough, Flight Research Division and Capt. Peterson, Army Hour announcer, discuss the flight research which has been done on the P-51, P-53 and A-26.

# CONTEST CLOSING DATE EXTENDED

Because many people have told us that the holiday rush, the film shortage and the lack of good weather for photography have prevented their taking pictures for entry in Air Scoop's contest for a month. Instead of January 1, all prints are to be submitted to Ruth Angel, Air Scoop office, by February 1. The extension also makes it possible to photograph holiday scenes on the peninsula which would make excellent camera subjects.

Entries should be at least 5 by 7 inches; they may be black and white or in color, and contestants may submit as many prints as they desire, thus increasing their chances of winning. First prize is a \$25 war bond; second, \$10 in war stamps, and there are three third prizes of a carton of cigarettes each.

# VOTE FOR GREEN COW COMMITTEE!

Green Cow elections are here! Nominations for the Green Cow Executive Committee were made last week, and the present committee announced that Ann Timberlake Boatwright, AWT; John Houbolt, Structures; Harry Shoaf, West Engineering; Pete Pikelis, Tank; Don Talmage, Flight; Don Reisert, Loads; Jerry Tepilitz, 19-Foot; Marvin Pitkin, Free Flight; Irwin Schumacher, East Engineering; Ben Vogel, Illustrators; and Ted Eales, Tank; are the official nominees.

These nominees will be voted on this week on the official ballot provided below. The following rules must be followed or ballots will be voided:

1. All voting must be done on the official ballots.
2. All ballots must be marked for four candidates.
3. All ballots must be signed and returned to the Air Scoop Office no later than 4:45 p.m., Tuesday, December 20, 1944.



# AIR SCOOP'S ALL STAR TOUCH FOOTBALL TEAM

Structures, Flight, and Physical Research placed two men each on the All Star touch football team picked last week by a group of league officials at the request of Air Scoop. The remaining positions went to AWT, ALD-19', and Engineering.

Pat Cancro was selected as captain of the group. Cancro was chosen on the all opponent teams of all nine teams he faced during the season. Claude Hart, who appeared in only seven games, was chosen on seven teams.

Cancro, Hart, John Knemeyer, Charlie Forsyth, and Ed Trenkel were unanimous choices of the group of officials. The team lineup is as follows:

Left End, Andy Anderson, Structures; Anderson was the high scoring end of the league with 63 points to his credit. All ten of his touchdowns were scored via the pass catching route.

Left Guard, Harry Nutter, Engineering: Generally regarded as the hardest playing lineman in the league, Nutter was an unusually hard charger as well as a vicious blocker.

Center, Ned Bowen, Physical Research: Considered the best all around lineman in the league. Bowen played a fine defensive game as line backer. His passes were always true and his 230 pound frame helped plug a hole generally found in the center of the line.

Right Guard, Ross Levin, Structures: The smallest man on the team, Levin was generally thought to be the 'man most likely to get killed.' He was a particularly good defensive man and never let the size of his opponents influence him.

Right End, Ed Trenkel, Physical Research: Trenkel was considered by many to be the best pass catcher in the league. His heady, deceptive play was his biggest asset.

Back, Pat Cancro, ALD-19': The unanimous choice of his opponents, Cancro was named team captain. He was the league's leading passer with 15 touchdown completions to his credit. With his passing, running, and drop kicking, he figured in the scoring of 120 points. He was a

Position	Player	Team	Age	Height	Weight
Left End	Andy Anderson	Structures	22	6'1"	170
Left Guard	Harry Nutter	Engineering	21	5'11"	165
Center	Ned Bowen	PTP	23	6'	230
Right Guard	Ross Levin	Structures	24	5'8"	152
Right End	Ed Trenkel	PRD	24	6'	165
Back	Pat Cancro (C)	ALD-19'	24	5'11"	178
Back	Claude Hart	Flight	23	5'11"	175
Back	John Knemeyer	AWT	24	5'10"	180
Back	Charlie Forsyth	Flight	21	5'10"	210

## Second Team

End Ochiltree, Str.  
End Vincke, 8'-LTS  
Guard McKee, AWT  
Guard Cecil, Eng.  
Center Kruszewski, Str.  
Back Muhly, Shops  
Back Luoma, 8'-LTS

Back Neff, Str.

Back Everett, Stab.

Honorable Mention: Kinzler, Shops; Spooner, ALD-19'; Williams, Flight; Bruce, PRD; Amole, Tank; Korycinski, 16-Foot; McNulty, PRD; Daum, Flight; Marchal, Engineering; and Bartone, Structures.

## NEW MORNING TRAFFIC CONTROL AT GATE

The Provost Marshal's office, in collaboration with this Laboratory, has put a traffic regulation experiment into effect at the East Gate in an attempt to eliminate the delays now encountered when entering the field in the morning. It is hoped that this new system will speed up the flow of traffic; However, the Provost Marshal's office has pointed out that the speed limit on the Post has not been changed and will be rigidly enforced.

During the rush hours, a sign reading 'Double Line' will be placed about 20 feet from the sentry house where a guard was formerly stationed. Drivers determine which line they wish to follow by the length of the line ahead. A white stripe has also been painted on the pavement to prevent drivers from switching from one line to the other.

One of the big difficulties in regulating traffic entering the field has been the scarcity of Military Police. The procedure described will eliminate the need for one man. However, if automobile accidents or other trouble develops as a result of the new plan, it will be terminated immediately.

The lesson which wars and depressions have taught is that if we want peace, prosperity and happiness at home we must help establish them abroad.

—HUGO L. BLACK

on the list but far from the bottom. As the blocking back, Forsyth made his mark in the league as well as on his opponents. Beyond a doubt, he was the most savage blocker in the league and had a hand, and usually a shoulder, in the scoring of all of Flight's. 161 points. In addition, he was a good passer and kicker and quarterbacked team.

## FIRE FIGHTING METHODS SHOWN

In an effort to better acquaint the safety coordinators and their helpers with the proper methods of extinguishing various types of fire, a series of fire prevention demonstrations are being staged at the South end of the Structures Research Building in West Area. The first demonstration took place Monday afternoon with safety coordinator Arnold Emmons and his crew of helpers from PRT acting as guinea pigs.

Chief Charles J. Satterfield led the demonstration and explained the use of the various types of extinguishers. He pointed out that the types of extinguishers are: plain water, used for class A fires which include paper, wood etc; foam, used on oil and gas; carbon-tetrachloride, for gas and electrical appliances; and carbon dioxide, best suited for gas, paints, and electrical appliances. He also pointed out that carbon dioxide is most effective on a running gas flame, which is the most difficult type of fire to overcome.

According to present plans, the demonstrations will be followed up by a drill.

## 8', AWT, FFT WIN FIRST GAMES

The Men's Community Basketball League got off to a belated flying start Monday night, with last year's champs, 8-Foot, taking the opening game from West Shops, 33-12. AWT downed IRD, 32-13, and Free Flight topped 16-Foot, 29-19 to complete the evening's card.

Hamk Fedziuk, 8-Foot forward, took high scoring honors for the night with 12 points. Ed Polhamus, AWT forward, was close behind with 10. Pete Korycinski, 16-Foot, and Jack Paulson, Free Flight, each scored eight.

# SCHEDULE OF ANNUAL LEAVE

The table below is a simplified method of calculating allowable leave and it is presented especially for the benefit of new NACA employees. The table does not apply to persons hired on a temporary basis (other than War Service employees.)

To find how much annual leave you have up to January 1, 1945, find the date on which you entered on duty in the left hand column. The figures to the right of this date will tell you the number of days and hours of current leave you have accumulated and the maximum which you may take under war-time regulations.

E.O.D.	Current leave		Maximum allowed	
	Days	Hrs.	Days	Hrs.
Jan. 1, 1944	26		20	
2-9	25		19	2
10-16	24	4	18	7
17-24	24		18	4
25-Feb. 1	23	4	18	
Feb 2 - 9	23		17	5
10-16	22	4	17	2
17-24	22		16	7
25-Mar. 1	21	4	16	4
Mar. 2 - 9	21		16	2
10-16	20	4	15	6
17-24	20		15	3
25-Apr. 1	19	4	15	
Apr. 2 - 9	18	4	14	2
10-16	18		13	6
17-24	17	4	13	3
25-May 1	17		13	
May 2 - 9	16	4	12	5
10-16	16		12	2
17-24	15	4	11	7
25-Jun. 1	15		11	4
Jun. 2 - 9	14	4	11	1
10-16	14		10	5
17-24	13	4	10	3
25-July 1	13		10	
July 2 - 9	12		9	2
10-16	11	4	8	7
17-24	11		8	3
25-Aug. 1	10	4	8	
Aug. 2 - 9	10		7	5
10-16	9	4	7	2
17-24	9		6	7
25-Sept. 1	8	4	6	4
Sept. 2 - 9	8		6	1
10-16	7	4	5	6
17-24	7		5	3
25-Oct. 1	6	4	5	
Oct. 2 - 9	5	4	4	2
10-16	5		3	7
17-24	4	4	3	3
25-Nov. 1	4		3	
Nov. 2 - 9	3	4	2	5
10-16	3		2	2
17-24	2	4	1	7
25-Dec. 1	2		1	4
Dec. 2 - 9	1	4	1	1
10-16	1			6
17-24		4		3
25-31	None			

## LIFE at the LABORATORY

Two More Proud Papas.....

are Steve Mason of the Stability Tunnel and Burly Baals from 8-Foot. Steve's family welcomed a baby girl named Linda Brown, and Burly bowled 'em over with Robert Alan, Esq. It is reported that young Bob has more hair than his old man.

On Behalf Of A Visiting Test Pilot.....

Eill MacAvoy, we bring this old one up from the files. Eill used to do a goodly bit of test flying around here, and in 1936 was included in a writeup in Collier's. The story goes that he was doing power dives, this particular one at the rate of a mile in eight seconds, when he noticed the wing fabric peeling off and the nose crumbling in. His thoughts were not about his parachute but instead, the idea of getting the airplane and its instruments to the ground to find out the 'why'. According to Collier's, after he pulled out of the dive, 'he coaxed and whispered that ship to earth, fluttered in like an old battle flag, and not a thing was jarred.' And so the complete record of what had happened was brought back to the conference table.

Mac is chief test pilot at Ames nowadays and last year he was given the Chanute award 'for long continuous service in the flight testing of experimental aircraft.' He is currently on the east coast and paid the Laboratory a visit last week.

There Is A Santa Claus.....

or so believes Wayland Tilley (the toiler) of the Instrument Shop. Tilley went out to get in his car the other afternoon and found it parked rather mysteriously a block or more away from the spot where he left it. When he started to drive it, he noticed that it ran a little more smoothly than usual. A check under the hood revealed that someone had installed a new carburetor and eight new spark plugs. He found out the next day that a jackleg mechanic had been supposed to do some work on a car exactly like his and had grabbed the wrong one by mistake.

The Folks At The Employment Office.....

have been getting along without Jane Ashby these winter days. She took off a few days, starting December 10, to get used to the idea of being Mrs. Gordon Mullins. Hubby is manager of a grocery.

\* \* \*

## Our Open Letter To Santa

Dear Santa...

We represent a group of your best little boys and girls who have been hard at work during the past year, trying to be real good kids so you wouldn't forget us this Christmas. We don't want so many material things. Mainly, we want the war to hurry up and get over.

There are many of us who have special wishes however, and it's probably best to pass them on to you in group form. Here goes.

To all the pining maidens who want one, please bring a pin-up picture of their glamour boy, Billy Bates..To John Stack, bring a model of Flash Gordon's Spaceocar to test in the high-speed tunnels...For the benefit of the Leave Section, bring the Laboratory some more people like W. C. Morgan, East Engineering, who has taken sick leave only twice in 16 years...Bring the boys in Structures some walnuts so they can have some fun cracking them with their tension-compression machines...Please bring walkie-talkies to all division chiefs who have wandering feet.

The girls in Personnel Records would like you to bring the boys in the Instrument Lab several more hands so they won't be dropping things on the floor...Mel Butler's secretaries would like a cow bell to tie around his neck so they can keep up with him...The boys in the Machine Shops would like to get an engineer, just one, who won't come in and say, 'This is a rush job; I've got to have it yesterday'...The Circulation desk could use a pneumatic tube delivery system to make it easier on the messengers...The Receptionist's desk could use some more station wagons.

Each softball captain would like a pitcher as good as Al Martina.....Dr. Aery could use a soundproofed office.....The Payroll Office would like to find some employees who will advise them of name changes.....Flight Research would like some new football players so they can beat Structures next year.....Please bring Tom Hulcher a box of cigars, but take out the smell.

Percy Crain has been a particularly good boy and he could so use a flaming red new car.....Bring the Instrument Shop an occasional engineer who will come in with the right set of prints.

For the most part, that takes care of our wishes, but if you have any spare governmental appropriations, you could send them along too.

Many thanks, and so long until next year.

## MEET THE COMMITTEE

On a bleak December day, just 41 years ago last Sunday, a man of 32 lay prone on the lower wing of his fragile flying machine. His 36 year old brother, co-designer and co-builder of the odd looking craft, stood nearby. A breathless moment; the propeller whirled; the machine took off under its own power and flew for 12 incredible seconds. With that brief flight, man freed himself from the bonds of the earth and realized his boldest dream - the conquest of the air.

The nervous young man who took that first flight has lived to see the glorified kite of Kitty Hawk develop into the super-streamlined planes of today. He has watched the development of heavier-than-air craft from what was considered a crackpot dream to a science that has put any spot on earth within reach. He is Orville Wright, most famous member of the National Advisory Committee for Aeronautics.

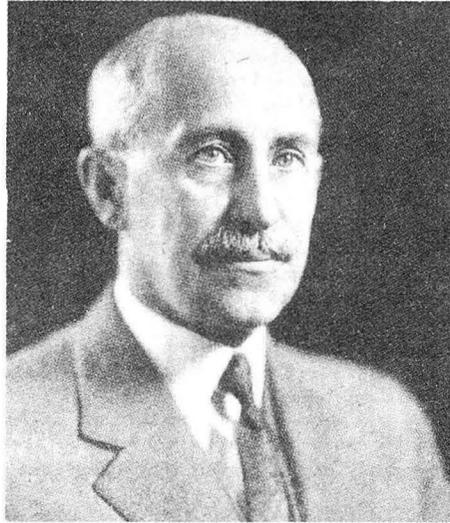
Orville Wright springs from a typically American family. He was born in Dayton, Ohio in 1871, the fourth of five children of a clergyman. Mechanics fascinated him from his earliest days. In fact, his startled parents found he cut kindergarten classes for a whole month in order to assist a neighboring boy in the dismantling of his mother's sewing machine.

Although Orville and his older brother, Wilbur, were of different temperaments, they were inseparable companions from childhood. They went into endless boyish ventures together - including photography, woodcutting, printing and even a circus which boasted an array of stuffed animals borrowed from a local taxidermist.

In 1886, at the age of 15, Orville started his first business. He and a friend established the printing firm of 'Sines & Wright' and solicited trade from neighboring merchants. The firm dissolved its partnership, however, when a customer paid his bill with \$2.00 worth of popping corn. Orville wanted to sell the corn, the other boy wanted to eat it. So Orville bought out his partner with some financial assistance from brother Wilbur.

After a brief career as newspaper publishers, Orville and Wilbur Wright entered the bicycle business and in 1895 they started manufacturing bicycles of their own. In off-seasons they read of the gliding experiments of Otto Lilienthal in Europe. They absorbed everything then written on the subject but, unfortunately, their reading merely succeeded in giving them a great deal of mis-information. They disapproved Lilienthal's calculations with their own gliders, and then figured out their own formulae - no mean accomplishment for two boys who did not even graduate from high school.

From gliding experiments, they went on to study the possibilities of self-powered flight and once more, they had



little to go on. The principles upon which marine propellers operated were very hazy and could not be applied to air propulsion to any great extent. The brothers had no money to throw away on actual experiments, so they worked on the problem mathematically, figuring the power necessary to elevate and drive their machine and the proper propeller pitch and thrust for the purpose. These calculations proved to be correct within 1% when tested in flight.

They worked tirelessly to construct their plane, took measurements in a home-made wind tunnel, worked out tables of pressures on various surfaces, and developed the aileron system of control still used in all planes today. Then came the great day at Kitty Hawk when they proved their theories before an indifferent audience of a new observers from the local weather station and an unidentified dog.

But it is the fate of prophets to be unrecognized in their own country. The Wrights offered their plane to the U. S. War Department on several occasions but were promptly turned down. So they took their ideas to Europe where they received a much warmer reception. It was only after Europe had acclaimed both the Wright brothers and their invention that the United States Government awakened to the possibilities of the airplane.

The following years brought advances in aviation that the Wright brothers never dreamed of in the days when they assembled their first plane in a bicycle shop in Dayton. Aeronautics became a recognized science. In 1915 the National Advisory Committee for Aeronautics was founded for the advancement of aviation and Orville Wright was appointed to the first committee by President Wilson. Unfortunately, his brother Wilbur never lived to see the fruits of his labor - he died in 1912.

Honors from all over the world have been heaped on Orville Wright. Medal

## NEW WEST AREA BUS IN SERVICE

The Citizen's Rapid Transit Corp has adopted the suggestion made by NACA conference groups that an additional bus be added during the morning and evening rush hours in order to expedite transportation of the 8:15-4:45 shift of the West Area.

The new route, which started last Monday is as follows: Bus leaves from in front of the A & P store in the Wythe Shopping Center at 7:30 a.m. and follows the Kecoughtan Road to Victoria Avenue in Hampton. It then goes down Victoria Avenue to King Street by way of Bridge Street. From there it follows Langley Field Road directly to the East Gate at Langley Field.

Coming in the East gate, this bus will proceed through Shell Bank to the West Area, traveling over the new runway road to the circle in front of the 16-foot Tunnel, arriving at 8:10 a.m.

The evening bus leaves from the 16-foot Tunnel at 4:50 and reverses the above route back to the starting point at Wythe.

The bus service is being put into operation on a trial basis for a period of 10 days. If, at the end of this period, the bus is not carrying a sufficient number of passengers to make the trip profitable, the service will be discontinued.

Employees who wish to travel to Newport News may change to a Boulevard bus at La Salle Ave. and Kecoughtan or to a Newport News bus at Wythe Center. The fare from these points to Newport News is five cents.

## Thanks To Our Contributors

Our sincere thanks to J.J. Lankes, reproduction, for the beautiful cover of this Christmas issue.

Our thanks also to:

Hal Cox, Illustration, for designing our "Sports" and "Life at the Laboratory" headings.

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John Graham, Illustration, for his war bond poster.

Terry News, Tank, for his cartoon, "Used Car For Sale".

Ferenz Imrey, Construction, for his cartoon and his idea for a cover.

We greatly appreciate this interest and trust that LMAL employees will continue to send in their art ideas for publication in Air Scoop.

without number have been awarded him. And the name 'The Wright Brothers' will forever be a monument to American opportunity through which the sons of an obscure clergyman in a little Ohio town found their place among the immortals of the earth.