



Official bul-
letins, pages
1. and 6.

LMAL BULLETIN

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ISSUED WEEKLY IN THE INTERESTS OF THE PERSONNEL OF LMAL, NACA

Page 1.

LANGLEY FIELD, VIRGINIA, NOVEMBER 30, 1942

Issue 1, Vol. 1

TIRES, TUBES AVAILABLE

NEW ODT REGULATIONS ANNOUNCED

New second grade tires and re-cap tires will now be available to all drivers pursuant to the new ODT regulations effective on December 1. In substance the new regulations are as follows:

The tire and tube quotas of all ration boards have been increased to such an extent that all drivers both essential and nonessential are now eligible for all grades of tires and tubes. Those drivers engaged in essential war work carrying the most passengers, and living the greatest distance from their work will be given first consideration. Other essential drivers will be considered on the basis of the number of passengers transported and the distance from home to work.

Nonessential drivers may apply for tires or tubes after the 20th of each month. Applications from such drivers will be considered only after the needs of all essential drivers have been satisfied.

Effective November 23, the value of "A" coupons was cut from 4 gallons to 3 gallons. In plain words this cut means that where previously the "A" book was good for 240 miles of driving per month of which 90 miles could be used for personal driving, now the "A" book is good for 180 miles of driving of which only 30 miles may be used for personal driving.

(Continued on page 6.)

Are you sharing your car?

SAVE ALL SCRAP

An appeal is hereby made for all shops to exercise care in collecting, segregating and reporting scrap supplies. In each shop there should be separate bins or piles in which scrap may be segregated according to the following outline:

- (a) Segregate aluminum alloys, especially 24-ST alloys, from other metals and from ordinary aluminum. This scrap is very valuable if properly segregated!
- (b) Segregate ordinary aluminum.
- (c) Segregate brass and bronze from the ferrous metals.
- (d) Collect iron, steel and cast iron.

It is important to the handling, shipping and ultimate utilization of the scrap in the war effort that it be kept free from dirt, wood scraps, broken glass, or trash of any kind.

(Continued on page 6)

SPEED-CORRESPONDENCE!

It has been noted that there is a growing tendency for Laboratory staff members to delay preparing replies to official correspondence. It is requested that a procedure be set up in each section in order promptly to take care of all correspondence. Your attention is also called to the fact that, when follow-up is made to your office by the file clerk for a reply to correspondence, if an answer has not been prepared it should be attended to immediately. Follow-up forms should be properly filled out and promptly returned to file clerk. No correspondence should be held for a long period by one section or division. If you are unable to prepare comments, send on to the next section or division and request return, or put a note on the letter to the effect that comments will be ready.

It is further requested that each section make a complete check-up of their offices immediately and take care of all overdue correspondence without further delay.

This matter is urgent and should be given immediate attention.

CONFIDENTIAL CORRESPONDENCE

It is requested that all confidential correspondence be initialed on the routing stamp to the letter, as well as on the outside of the confidential envelope. In the past it has been necessary to file the envelopes for record purposes, as the correspondence itself was not initialed. If the correspondence is also initialed it will save considerable space in the files. Your cooperation in this matter will be greatly appreciated.

TEMPORARY EDITORIAL STAFF

EDITOR-IN-CHIEF	J. P. Doyle, Jr.
ASSOCIATE EDITORS	H. A. Samet
	Jerry Kayten
ART EDITORS.....	C. B. Russel
	Ben Vogel
	Margaret Evans
PERMANENT ADVISOR.....	Dr. W. A. Aery
CONTRIBUTING EDITORS	Laboratory Staff

Your PAPER Organization

This is to introduce the first issue of the LMAL Bulletin which shall be a weekly publication for the information and entertainment of the Laboratory employees.

This is your paper and is to be used to reflect your views, suggestions, and comments. It is your privilege to submit letters to the editors, news items, announcements of all kinds, jokes, sketches and notes on social events. A good paper can result only from your active and intelligent use of this privilege.

The Bulletin shall be the means of presenting official memoranda, important Laboratory activities, policies, events, announcements which directly concern us all. This is the primary function of this publication and it is intended to disseminate this information in greater detail than heretofore.

Moreover, in addition to this primary function, there shall be included topics of current interest, news concerning local social activities and Laboratory sports, personal notes, and the inevitable humorous anecdotes about Laboratory employees.

Let us hope that through the medium of this paper there will be established a greater understanding of the work we are engaged in and an appreciation of our fellow workers. May our association be long and pleasant.

* * * *

The Bulletin, speaking for the Laboratory, wishes Mr. Kemble Johnson, our Administrative Officer, a speedy recovery from his present illness. One cannot become accustomed to the vacant appearance of his office which usually looks like the corner of Broadway and Fifth Avenue.

* * * *

The organization of this newspaper has been started on a temporary basis in order to put out this first issue. When you have read our copy and formed an opinion, here are some of the things the "original sixteen" (who met last Tuesday) would like you to consider.

The editorial staff shall consist of an editor-in-chief and two assistant editors as well as the art and feature editors. Temporarily, the group that met elected Joe Doyle, Arthur Samet and Jerry Kayten, with Doyle as acting editor-in-chief. This group will function as an editorial staff for the first two issues. At the printing of the second issue, a slate will be presented to the Laboratory staff. A ballot box will be made available and it will be up to you to select an editor. The probable method will be to vote for three men, the one with the greatest number of votes automatically becoming editor-in-chief.

Most of the decisions made at this first meeting were of a temporary nature, pending approval of the people who will read this paper. However, some permanent decisions were reached. The editor has set forth the policies of this newspaper. It is up to you to contribute news to keep this paper of vital interest to all. Publication will be once a week, probably towards the latter part of the week and copies will be circulated to all the Laboratory staff.

The sixteen people who have started as the staff are capable, full of ideas and enthusiasm, and ready to do all they can to make a success of this new venture. Anyone else interested is needed and welcome. We cannot stress too much the importance of your contributions in the manner of news that might be of universal interest. This is your paper and the staff that works on the publication will act merely as an organizing body to give you the news in the best possible way.

Invest 10 percent in War Bonds!

*Letters
To The
Editor*

This space is to be reserved for letters from any of our readers who desire to express themselves on subjects they feel to be of interest to all. Of course we cannot print all the letters in our limited space; the editors will select those which seem to have the most widespread appeal. All letters must be signed by the writer, but initials or a pseudonym will be used in publication if the sender requests that this be done.

Many of you would like to contribute to the newspaper, we know, but do not feel that you have the time to devote to it which a regular position on the staff might require. WE WANT YOUR CONTRIBUTIONS. If you have anything to say, any news to tell, any joke too good to keep, write it out and send it in. Boxes will be placed in convenient locations throughout the Laboratory. Announcements, sketches, personal items, letters to the editor - keep the boxes full.

The Editors.

USO DRIVE

Congratulations to the Laboratory on its fine showing in the recent U.S.O. drive. The sum of \$1151.30 has been turned over to the local U.S.O. which represents a marked increase as compared with the sum of \$569.20 contributed last year.

However, let us not restrict ourselves to contributions only during these organized drives. These service centers can use books, magazines, phonograph records and any other material which will be educational and entertaining.

Mr. J. Norwood Evans, noted duck hunter, sojourned to the Back Bay with a collection of firearms and ammunition in search of the elusive duck. When questioned, Mr. Evans stated that, due to Government regulations on traveling on holidays, ducks were not traveling South this year.

MY DAZE

By K. and P.

Editor's Note

The following article was unanimously rejected by the entire staff with the exception of the authors. It has been inserted to fill a last minute vacancy left by the cancellation of the week's stock market analysis. The Wall Street feature will be resumed upon the return of our financial expert, who is recovering from a mild brain concussion sustained in a brief interview with his section representative of the voluntary U.S.O. collection drive.

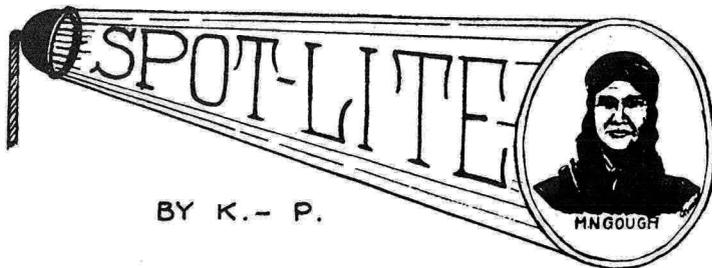
Publication of this atrocity is purely a desperation move and does not imply editorial endorsement of its ideas, its policies, or the clowns responsible for it.

This is your column. Light up a big cigar, sit back, get comfortable, and enjoy it. Above all, remember we want you to take a hand in filling the column. If you have any good stories, clean them up and send them along. If you care to make any comments or criticisms, type them neatly in triplicate and deposit them personally in our basket at the newspaper office. Prompt attention is assured all correspondence of this nature; a janitor pervades our office daily before nine AM.

In short, we want to perform any service within our power to make you happy. If you have any unused "S" coupons to sell or trade, let us make your contacts, handle your transactions, and go your bail. If you miss your sugar, let us know and we will help you get in touch with her.

Among other things, we hope to present brief interviews with quaint but unimportant Laboratory characters -- individuals who, although less prominent than our "Spotlight" victims, are just as interesting... like the Junior Engineer for example who, according to as yet unconfirmed reports, did not spend his first night in Hampton at the Langley Hotel..... or the mechanically minded modelmaker who wanted to take his nose apart to see what made it run.

Editor's Note: Applications are now being cheerfully received from staff members interested in conducting this column beginning with next week's issue.



BY K.- P.

The New Yorker, in May 1941, wrote "Everybody -- the Army, the manufacturers and the insurance companies, has complete confidence in Gough," also the Chanute trophy for "a notable contribution to the aeronautical sciences" was awarded Mel Gough in 1941, yet many of us at the NACA have no idea who Gough is. This black-haired, leather-faced, crew-haircutted human cyclone is the Head Airplane Test Pilot here at the Field and as such is probably one of the leading test pilots in the country. His great value lies in the rare combination of engineering and piloting knowledge which enables him not only to observe flight behavior but to criticize it from engineering standpoints.

The engineering knowledge was obtained at Johns Hopkins University where a close association with Dr. Ames, earned him the title of "Ames' fair-haired boy" and sent him on his way to the NACA and the P.R.T. following his graduation in 1926. What happened that year is best described in Mel's own words.

Mel it seems was having a difficult time convincing a pilot of tunnel results.

"Well," said Mel, "After a devil of a time I finally thought I had him! I overwhelmed him with proof -- data -- results -- all proving my point. I thought sure I had him! But all he did was ask 'Have you ever flown an airplane?' And he had me! Right then and there he had me! I couldn't say a word! But I started taking ground school instruction that year."

That year and the next two Mel continued the ground school and weekend training and then entered the Navy, emerging from Pensacola in June 1929 as a Naval Aviator. Since the need for engineer test pilots was urgent and since Navy funds were limited at that time, Mel rejoined the NACA as a test pilot in 1929 and has remained one since. He has however retained his status in the Navy, with two weeks active duty each year, and is at present, commissioned as a Lieutenant, U.S.N.R., Naval Aviator.

Mel's experience with aircraft has been extremely diversified judging from the sixty odd papers bearing his name, and has included flight testing for industrial concerns as well as for the NACA. Up to four years ago, he had flown over 250 different airplanes and then he stopped counting. At no time during his flight testing career has he ever been forced to bail out, nor has he had a crackup more serious than a washed out landing gear. Mel has tested aircraft in almost every conceivable way, has taken 10 1/2 g dives, clocked up over 4750 logged hours, and considers the terminal velocity dive flight testing the toughest part of his job. Like every other pilot at NACA, Mel takes the standard army physical every six months.

Mel is scarcely what one would call an ultra-conservative. During conferences with army majors, colonels and the like, he cheerfully pokes them in the ribs to emphasize his point, swats them on the knee to express reassurance, and demonstrates peculiar flight phenomena with violent hand maneuvering. He plays golf in the 70's and was tennis champion of the NACA for a time -- the time, he ruefully points out, after John Wheatly left NACA. Mel is a fellow in the Institute of Aeronautical Sciences. He is married and has four children.

Mel continually emphasizes the need for cooperative and coordinated effort between the various groups on the field and runs his office on that basis. "Any bid to fame," he says, "that the pilots' section might have, is as a result of the association with the other units on the field, and the pilots will always be in front because of that association."

Give the War Effort a lift!
Share your car with a fellow worker!

WARNING - Only 110 days 'til Spring. Invest in pest control
now - BUY a BOND today!

AASW NOW AT NACA

A new activity has come into existence at the NACA with the establishment of an NACA chapter of the American Association of Scientific Workers (AASW). Interest in furthering the war effort is responsible for this new chapter. The program of activities, reported in more detail later in the article, is organized around this aim. Membership is open to all NACA'ers on application to Mr. Robert T. Jones (Stability Research), president.

Although new to the NACA, the AASW is not new to the scientific world. It was founded in 1938 and now has active chapters in many of the country's leading scientific centers - Berkeley, Boston, Chicago, New York, Philadelphia, Washington, and others. Its roster includes A. H. and K. T. Compton, Harlow Shapley, H. C. Urey, and many other Nobel laureates and eminent American scientists. Its national president is Professor Kirtley F. Mather of Harvard, a distinguished geologist.

The general aims of the AASW nationally, as stated by its founders in 1938, are:

(a) To promote and extend the application of science and the scientific method to all problems of human welfare.

(b) To promote better understanding of pure and applied science by the general public and greater cooperation between scientists and the general public.

(c) To secure adequate financing and more effective organization of scientific work.

(d) To safeguard the intellectual freedom and professional interests of scientists.

The war has summarized these aims in one: "To secure the fullest and most effective utilization of American science in the war effort."

Each chapter of the Association has organized an effective program around this all important objective in keeping with the activities of the national office. For, says the Association, without victory over the Axis, the people of the world will have no opportunity to work out their future as free men and women. Victory of the United Nations, however, will provide this opportunity, will draw the peoples of the world closer together, and will enable science to flourish as the handmaiden of freedom.

Of the work of the NACA chapter of the AASW, its members have written:

"Since its inception in 1915 the NACA has come to exercise leadership in American aeronautical research. Reflection on this fact should be sufficient to make us aware of the grave responsibility entrusted to us now. Air power plays a highly significant role in the war - a war whose outcome will determine whether we shall have an opportunity to work out our futures as free men and women.

"The people of the United Nations look to us to develop aircraft which, together with those of our Allies will clear the sky of the fascist aggressors. Our best efforts - individual and collective - are urgently needed for us to discharge our grave responsibility.

"To deepen this awareness in us and increase our effectiveness in this great struggle, an NACA chapter of the American Association of Scientific Workers has been established.

"1. To acquaint ourselves, through lectures by qualified speakers, movies, etc., with

(a) the specific part our research plays in determining the outcome of the war,

(b) technical developments in aeronautical and related sciences,

(c) the efforts of scientific workers throughout the United Nations,

(d) the fundamental issues and background of the war.

"2. To render technical service to the community and to the armed forces in this area by

(a) offering appropriate courses and talks for soldiers and civilians in cooperation with established organizations,

(b) participating in civilian defense activities.

"3. To stimulate social and intellectual contacts among the NACA personnel by organizing various social and cultural activities.

"Committees to organize these activities have, in some instances, already begun to function."

All members of the NACA staff are eligible for membership in the AASW. It invites all who are interested in the above activities - or who have ideas for other activities helpful in the war effort - to join. Application blanks and further information can be gotten from Mr. R. T. Jones (Stability Research, telephone 282).



By Bob Crawford

RECENT WEDDINGS

During the past few weeks Mr. Cupid has had an exceptionally busy time of it; ringing wedding bells for many of the Laboratory's staff.

May we extend our very good wishes and happiness to the following:

Anna Blanton and Norman S. Land both of the Hydro. Div., October third.

Elizabeth Strailman, Personnel Office and Albert A. Budde, I.R.L., October eleventh.

Nell Matthews, Purchase Office and Robert R. Graham, 19-foot P.T., October twenty fourth.

Mary A. Dennin, New York, and George A. Wentland, Eng. Sec., October twenty fourth.

NEWPORT NEWS LITTLE THEATRE

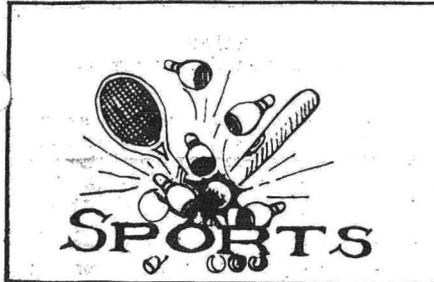
Fresh from a successful run on Broadway where it is still being played to capacity houses the play "Arsenic and Old Lace" has been chosen as the first performance of the fall season by the Newport News Little Theatre Guild.

The play is under the direction of Miss Dorothy Crane, who is widely known on the Peninsula for her previous drama achievements. It will be given Thursday evening December 3rd at 8:15 in the Newport News High School auditorium.

HAMPTON LITTLE THEATRE

The recent success of the Hampton Little Theatre in the production of three one act comedies, "The Happy Journey to Trenton and Camden," "It Will be All Right on the Night," and "If Men Played Cards as Women Do," given on November 3, has won local recognition. On Wednesday, November 25, these plays were performed for the Newport News U.S.O. The response from the audience on the previous presentation at Hampton High School and also at the Newport News U.S.O. well repaid the hard working cast. Also, in the very near future the acting troupe will proceed to the Yorktown U.S.O. where they are already clamoring for these riotous comedies.

(Continued on page 5.)



BOWLING NEWS

The bowling committee, in harmony with any bowlers who care to submit their comments to this column, shall begin a weekly series of highlights and by lines concerning both the duckpin and tenpin leagues.

This issue is mainly concerned with the following:

1. All delinquent duckpin teams are urged to pay their entrance fees of \$3.60 as soon as possible.
2. Those few teams which have dropped out from league competition should notify the bowling committee immediately.
3. Duckpin teams desiring to bowl should notify us at once.
4. The second section of play begins next week. It is hoped that there will be a marked increase in attendance. Forfeits are not necessary. Rather than forfeit a match, postpone it and play it at a later date (within a week, if possible).
5. Team standings and individual high marks shall be posted at the bowling alley every week.
6. All tenpin teams are again urged to send in suggestions for prizes. If no suggestions are sent in, it will be understood that every team is willing to pay \$3.60 per section. Prizes shall be awarded accordingly.

HAMPTON RIFLE CLUB

The second meeting of the Rifle enthusiasts consisted of 10 two man teams with Jack Reid and Hensley leading the field. Scores were as follows:-

Jack Reid 280	R. Mandel 284
551	537
R. Hensley 271	H. Robinson 253
R. Orr 292	C. Russell 262
546	512
Mrs. Orr 254	D. Stevenson 250
J. Corson 288	V. Tamburello 266
546	488
J. Runkel 258	J. Vricella 222
J. Stack 297	G. MacDougall 280
543	476
L. Feldman 246	J. Kliner 196
R. Swanson 279	R. Davis 221
541	418
R. Liddell 262	R. Moscatel 197

WITH THE MODELERS

by Jim Passeno

It looks like the biggest news of the month is that the gals are taking over here at NACA. The next time you turn around to tell Bill Smith the latest (?) joke, its liable to be Mary Jones. Why don't some of you guys teach some of those gals how to build a ship and bring them out to that contest, which is on the first Sunday in December? Anyway, come yourself. Its going to be worthwhile. Maybe Herb Schaeffer will be there with his new Tailless Wonder. Its a little 2-foot job that has not been really tried yet, but its predecessors flew like the wind, or sumpin'.

I see Sal Tabi is going to be with us again after swearing off. It seems he had other interests and we don't blame him. Anyway he's coming out with a B job. By the way, his "Flying Yankee" is currently appearing in M.A.N.

Dick Everett is pine-earring in hardwood. Take a look at "Piney" in the new Air Trails. Several pine jobs have been built and flown with excellent results. Everett and Cadwell Johnson have collaborated on "Pine Needles" for M.A.N. Air Trails has been fortunate in securing Cadwell's towline design. Watch for it!

It looks like the Air Corps is at it again. Eli Druckman is reported to be about to take wings. Good luck and happy landings, Eli!

Lecture on Indian Crisis

Considerable discussion followed the forceful lecture on "The Crisis in India," given on November 12 by Louis Fischer, author and foreign correspondent, recently returned from a tour of India and the Middle East. The lecture was given at The Newport News High School as the first in a series presented by the Peninsula Institute of Public Affairs.

A lively question-and-answer period followed the lecture.



I want to present the engineer who developed the low-drag wing.

SOCIAL
(Continued from page 4.)

U.S.O. CALENDER

"Understand our Allies and our Enemies," is the title of discussion which will be led by the Rev. Carter Harrison at the Hampton United Service Organization on Academy Street every Thursday at eight o'clock. This meeting is open to both service men and civilians and should prove to be very interesting.

SURGICAL DRESSING WORKERS NEEDED

A plea for additional surgical dressing volunteers has been made by the surgical dressing committee of the Elizabeth City County chapter of the American Red Cross.

The chapter has been recently assigned a new quota of dressings by the national headquarters which must be produced in the shortest possible time. For those members of the Laboratory who are interested in offering their services the Red Cross building on the Post will provide additional information.

DATE DEPARTMENT

Girls, do you sit home nights? Are you a wallflower? Do you lack that certain something? Would you like to be glamorous, alert and magnetic? If you would, your troubles are over. See Bill Thompson and let him explain all about the course on "From Droop to Debutante" in ten easy lessons.

ATTENTION BASKETBALL PLAYERS

If you are a former college, high school or independent player and are interested in playing on an NACA team this season, please notify Frank Read, Engineering Section, immediately.

If enough prospects respond, contact with the Naval Base, various military camps and independent teams in this area will be made and a playing schedule arranged.

Plans concerning practice, gymnasium and equipment will be worked out after hearing from this notice.

FOR SALE OR TRADE: Will sacrifice for sale or trade for extra small dipper, 2 ice cream dippers, one large, one medium, slightly used.

Lunch Room Cafeteria

GREEN COW NOMINATIONS

The Green Cow Committee is organizing a new executive committee for the coming dance season. At a recent meeting the nominating committee selected the following persons as nominees:

- Sidney Batterson F.R.L.
- Sally Bourne 19 Ft. P.T.
- Jack Burgess 19 Ft. P.T.
- Melvin Butler Per. Of.
- Bob Cogar Gust Tun.
- Joe Dodson App. Adm.
- Axel T. Mattson 8 Ft. H.S.T.
- Jack Runckel 16 Ft. Tun.
- Frances Winder F.S.T.

Anyone desiring to make further nominations may do so by contacting any member of the Green Cow Committee before December 5th. The following week the list of nominees will be circulated for the Laboratory personnel to elect the four Committee members for the coming year.

- NOBEL ORDER OF THE GREEN COW
- Monk Jones, Phone 274 (Purchase)
 - Hank Fedzuik, Phone 212 (Aerodynamics)
 - Bob Johnson, Phone 230 (Erection Shop)

WHAT'S YOUR ADDRESS?

Considerable inconvenience and confusion in the handling of correspondence has been encountered by the Personnel Office due to Staff members failing to inform that office of changes in their home addresses. Cases have arisen wherein it became imperative to contact a member of the staff on urgent personal matters or important Laboratory business. It is wise to keep the Personnel Office informed of your address in order that urgent information may be transmitted to you without delay.

CHRISTMAS TRAVEL CURTAILED

The Office of Defense Transportation has requested all Government Agencies "to take certain necessary steps relating to curtailment of annual leave between the period December 18 to January 10." This step is being taken in order to relieve as much as possible the public transportation systems which will be heavily burdened during the Christmas season with furloughed service men on their way home as well as relatives of service men traveling to army posts to spend Christmas.

Accordingly, no leave will be granted to Laboratory employees during this period when such leave involves travel on intercity common carriers.

Where leave involves the use of personal transportation facilities only this order does not apply.

SELECTIVE SERVICE

Official Memorandum

Considerable unrest now exists among the employees of this Laboratory because of the recent newspaper articles quoting President Roosevelt as indicating he wishes all Government agencies to cancel Selective Service deferments.

In a subsequent message to the Secretary of the Navy, the president advised that he did not intend his request to include married or single men with dependents, and it was intended to reach only those who were exempt from military service because they were employed by a Government agency.

Inasmuch as the withdrawal of any employee from the NACA would seriously affect our war effort, the NACA will attempt to maintain all the deferments now in existence and continue to request deferments. It is obvious that with our need for a number of additional employees in the Laboratory, any withdrawals at this time would cause confusion and disorder.

OFFICIAL CHANGE, TELEPHONE NUMBERS

All personnel are notified to make the following changes in the official LMAL telephone directory:

- HEAD, 16FT. TUNNEL369
- IMPACT BASIN.....342
- FLIGHT RESEARCH INSTRUMENTS.....366

DRAFT STATUS CHANGES

It is requested that all members of the Laboratory notify Dr. Aery (367) immediately of any changes in their draft status or any other communications received from their draft boards.

did you know?

THAT LMAL USES ENOUGH BLUEPRINT PAPER IN ONE YEAR TO COVER A 15 FT. ROAD EXTENDING FROM THE TANK TO HANPTON!!!



TIRES (Continued from page 1.)

Although this cut may seem rather harsh the ODT reasons that in most cases drivers pass through town going to and from work and that grocery buying and other necessary shopping can be done on these trips. This arrangement, it is argued, is very inconvenient, especially for the passengers who may not have any buying to do. All this is true, but we must remember that we are at war and will probably be inconvenienced a lot more before final victory comes.

The whole-hearted cooperation of everyone in seeing that driving which is not absolutely necessary is cut out will certainly prevent any further curtailment of gasoline consumption. Had everyone cooperated from the beginning gasoline rationing probably would not have been necessary at all.

SCRAP (Continued from page 1.)

Also, when a quantity of scrap is accumulated, or if there is any unused machinery or metal suitable for scrap available to any section, notice should be given to the Maintenance Office immediately. It is often possible for obsolete materials still on inventory to be released for inclusion in the scrap drive. Mention should be made of any such item to the Maintenance Office.

Conscientious observance of these principles will do much to insure that the LMAL scrap drive will be of maximum benefit to our country in the war effort.

LMAL STAFF X-RAYED

At the chest X-ray examination held at the Laboratory, November 18, through November 21, 945 members of the Laboratory staff were X-rayed. This examination, conducted by Messrs. W.E. and L.C. Bethel, of the State Department of Health, was made available to the Laboratory staff through the courtesy of the State Bureau of Industrial Hygiene. Last January, a similar examination was held here, at which time approximately 1100 people were X-rayed.

This service, offered by the State Bureau for a minimum fee, provides an excellent opportunity for regular check-ups. Employees of many industrial plants, schools, and other business organizations throughout the State have participated in this health project.

All those who have not paid for taking the exam are requested to turn in their money at the Information desk in the Administrative Building as soon as possible.




ISSUED WEEKLY IN THE INTERESTS OF THE PERSONNEL OF LMAL, NACA

Page 1.

DECEMBER 11, 1942

Issue 2, Vol. 1.

NACA-HOUSING-PROJECT-STARTED

NACA HOUSING PROJECT STARTED

128-Unit Development Begun on
Langley Field Road

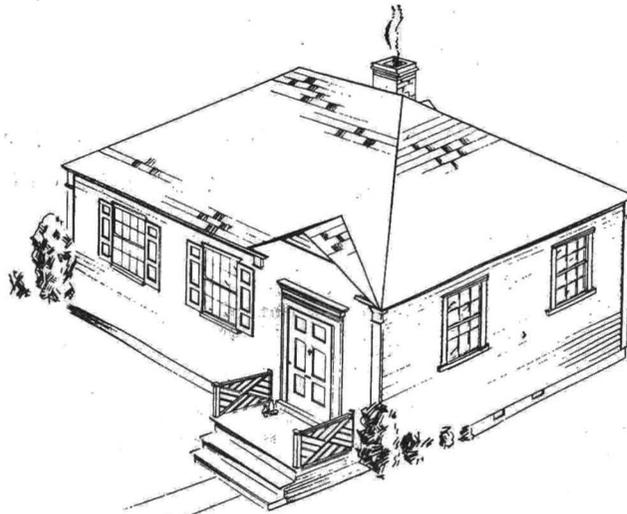
That rumor you've been hearing around the Laboratory that the NACA has a new housing project can at last be verified. Yes, the new development known as "Cavalier Court," now under construction on the east side of the Langley Field Road near the Fox Hill Road, is being sponsored by the NACA for NACA employees.

Sufficient priorities have been obtained through the Federal Housing Authority to build 128 homes. The homes are being constructed by a private contractor and he is privileged to rent these homes to whomever he chooses. An agreement has been made between the contractor and the NACA whereby employees of the Laboratory will be given first consideration. This is an ideal situation because it is possible to establish a new community made up entirely of NACA employees provided enough people are interested.

According to the present construction schedule the first few homes should be ready for occupancy around February 1, 1943. After the initial opening several homes should be ready every week thereafter until the project is complete.

The new homes are being constructed according to five different plans; the whole unit, therefore, will not be just a monotonous row of identical houses. Atypical unit is shown in the sketch; the other four types are equally attractive.

We sincerely hope that the Laboratory staff will be interested in this development and will grasp this opportunity to have a real NACA community. Further detailed information can be obtained from Mr. William A. Thompson at 272.



CAVALIER COURT HOUSING UNIT - TYPE NO. 2

SIXTH SELECTIVE SERVICE REGISTRATION THIS MONTH

The dates for the sixth Selective Service registration were proclaimed by the President on November 17, 1942. These dates and other pertinent regulations are contained in the following excerpt from the Federal Register:

(Continued on page 6.)

BOND SALES NOW 99.86%

The entire personnel of the Laboratory deserves the heartiest of congratulations for their grand effort to help Uncle Sam in his hours of need. The purchase of War Bonds by 99.85 percent of the employees here clearly demonstrates to the President, the other departments and agencies of the government, and to the nations at large, our patriotism and cooperativeness.

In order to inform those who are participants, but are not too familiar with the procedure of our payroll allotment plan, we wish to set down a concise explanation of the objectives of the War Bond Program. These are:

(Continued on page 6.)

MY DAZZLE

by P. and K.

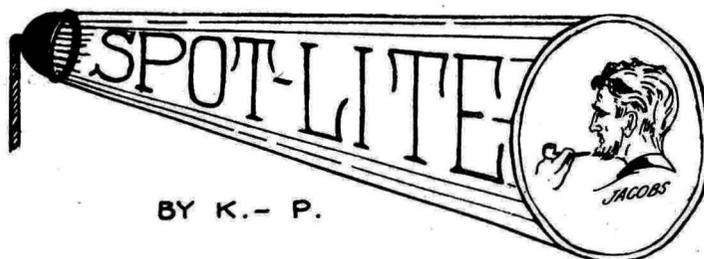
Since our debut in last week's issue, some question has arisen as to the reason for including a column of this nature in the Laboratory newspaper. It has been interesting to observe the varied means of expression employed by different readers. Some telephoned the editor demanding an explanation, two or three wrote threatening letters, and quite a few left for Cleveland. In order to restore harmony and prevent any mass resignation, we have decided to state our purpose in a few well-chosen words.

In planning the new publication, it has been necessary to make numerous compromises in the selection of material for each issue. Space must be devoted to routine notices in order that readers may refer back and see what special events they have missed each week; an editorial page must of course be included because everybody has one; reviews of lectures, concerts, and the like are vital to the conservation program in that they are useful in wrapping sandwiches and lining small drawers. Here, however, on clear bond paper suitable for framing, is a section of the newspaper devoted entirely to the provision of amusement and relaxation for you hard-working swivel-chair Commandos. Our weekly assortment of words, then, will contain nothing of any importance to anybody but will, we hope, provide a smile and an occasional quiet chuckle, both of which right now are in some ways more important than anything important.

If at this late date there are still those who fail to realize that the cost of living on the Peninsula has increased, the following tale should effectively illustrate the trend. One of our computers, it seems, walked into a local bakery last week and asked for ten cents' worth of rolls. The clerk wrapped them neatly in an old page of the Times-Herald and handed them across the counter. "That will be seventeen cents, please." he announced.

We understand there is an extremely skinny junior engineer who was very much worried about the outcome of his recent chest examination. Everything is O.K. now, though - the results were negative. As a matter of fact, all that showed up on the X-ray was an interesting candid shot of the next man in line.

Reaction to the gas shortage: "Well what do you know? Legs have other uses besides entertainment!"



BY K.- P.

By 1935 Eastman N. Jacobs was one of the leading aerodynamicists in the NACA. In that year Dr. VonKarman and he were chosen to represent America at the annual convention of the international Congress of the Physical, Mathematical and Natural Sciences. That year found the face of Eastman N. Jacobs for the first time adorned with a beard - found his name listed as a collaborator in the renowned Durand series "Aerodynamic Theory" and marked the tenth anniversary of his arrival at the NACA. His fame has grown steadily since. The S.A.E. has given him its Wright Brothers medal and the Institute of Aeronautical Sciences, of which he is a Fellow, has presented him with the Reed Award. He is head of Airflow Research at the NACA, a Principal Aeronautical Engineer and is largely responsible for the development of the Laminar Flow airfoils. The Laboratory knows him as 'Jake'.

Son of a judge, Jake was born in Colorado in 1902. At a young and tender age he demonstrated a marked interest in aerodynamic research. He labored industriously and built a glider - hauled it atop a bluff - launched it with serene confidence and then - battered and bruised - he contemplated the significance of a vertical flight path angle. If gliders wouldn't work - airplanes would, he reasoned, and eventually set about building an airplane in the family dining room. His father, fearful that the contraption would fly, cancelled appropriations and young Jake was sent to the University of California to study engineering. Awarded a B.S. in E.E. in 1924, it was natural for Jake to enter the service of Pacific Tel. and Tel. but he also took the Jr. Engineer Exam and in 1925 the NACA welcomed him into the fold. Again he set out to construct his airplane. Sweat, toil, tears and a motorcycle engine went into the device and in 1929, although possessing no flight experience, Jake successfully made his first flights. Later he acquired a Pitcairn biplane and a pilot's license and logged up 300 hours between the two airplanes.

Jake is a personable, highly decisive individual who drives his men hard but drives himself equally hard. His most prominent physical feature is his beard - a short-chord affair with maximum camber located at about 60% c aft of the leading edge. Many theories have arisen in the past concerning its origin but only Spotlite, with a sense of real achievement, can now reveal the true facts in the case. It all started one day in 1935 when Jake was being sketched by Margaret Evans who was having trouble in drawing up his chin. Finally, in exasperation, she ran her pencil violently back and forth over the drawing, completely obliterating the much abused chin with a series of thick parallel lines. "There!" she exclaimed "It looks better like that anyway!" Jake, perusing the drawing, agreed that she had a point and launched an experimental investigation to confirm it. In a few months the beard had reached magnificent proportions and has remained since as one of the more impressive landmarks on the Field.

Letter to the Editor.

In the interest of morale and a general acquaintance with other members of the Laboratory Staff and their activities, it is recommended that the personnel of other sections be invited to participate in the Chess Tournament being conducted within the Physical Research Division.

(Signed) Uninvited Personnel

Save gasoline - remember there are no filling stations on the road to Berlin.

NOTICE TO MARINERS:

18-foot sailboat. Must sell. Moving to Cleveland.

J. B. Witmer
Instrument Service Section

Some statistician in an off moment has estimated that it required 25,000 plus bullets to effect each casualty of World War I.

It has been reported this average is comparable to Joe Vensel's duck shooting.

REID TO ADDRESS OPEN MEETING OF AASW

All Employees Invited to Dinner and Discussion

Because of the extent to which our work is specialized, many of us have difficulty in visualizing the final results and actual achievements which are attained. The NACA chapter of the AASW with the idea of supplying that part of the picture, has asked Mr. Reid to be its first speaker at an open meeting to be held Monday, December 14. Mr. Reid will describe some of the recent contributions of the NACA toward Allied supremacy in the air. The meeting will be held at 6:30 in the projection room after an informal dinner in the lunchroom. It will be open to all employees of the NACA. (Because of the restricted nature of the material to be discussed, all meetings will be open only to NACA employees.) In addition to the featured speaker there will be a discussion of the aims of the chapter and an introduction to the work of the national organization. Questions and suggestions from non-members will be welcomed.

LIBRARY

The following periodicals are now off circulation and are available in the library:

- Aero Digest, Sept. 1942.
- Aeroplane, Sept. 11, 1942.
- Aircraft Engineering, August 1942.
- Automobile Engineer, Oct. 1942.
- Aviation, Nov. 1942.
- Journal of Nat. Bur. of Stds., Oct. 1942.
- Diesel Power, Nov. 1942.
- Diesel Progress, Nov. 1942.
- Engineer's Digest, Aug. 1942.
- Engineering, Oct. 16, 1942.
- Flight, Sept. 22, 1942.
- Instruments, Sept. 1942.
- Journal of Acoustical Soc., Oct. 1942.
- Journal of Applied Physics, Oct. 1942.
- Journal of Chemical Physics, Oct. 1942.
- Journal of Franklin Inst., Oct. 1942.
- Journal of Inst. of Aeron. Sciences, Nov. 1942.
- Journal of Inst. of Petroleum, Aug. 1942.
- Journal of Optical Soc. of Amer., Oct. 1942.
- Journal of R. A. S., Sept. 1942.
- Journal of Scientific Inst., Oct. 1942.
- Journal of S. A. E., Nov. 1942.
- Philos. Mag. & Jour. of Science, Sept. 1942.
- Mechanical Engineering, Dec. 1942.
- Nat. Petrol. News, Nov. 11, 1942.
- Patent Office Gazette, Dec. 1942.
- Physical Review, Oct. 15, 1942.

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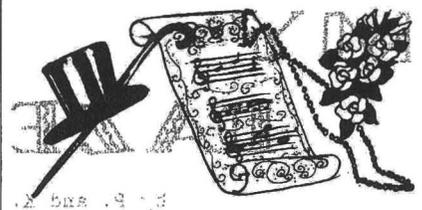
- Proc. of Inst. of Radio Engrs. Sept. 1942.
- Proc. of Nat. Academy of Sciences, Oct. 1942.
- Review of Scientific Instr., Oct. 1942.
- Revs. of Modern Physics, Jan. 1942.
- Science Abstracts, Section A&B Sept. 1942.

COOP BUYING GROUP

In a corner of the basement of 128 Columbia Avenue in Hampton is the grocery store of the Hampton Road Cooperative Association. Although 90 percent of its membership consists of NACA families, its existence is almost unknown at the Laboratory. A little over a year ago the small but enthusiastic nucleus organized to share the benefits of cooperative purchasing. At first the group functioned merely as a buying club. As capital was raised a stock of staple goods was acquired and a temporary store set up in the Greenbergs' (AER and Stab) home. After another move or two the store was finally settled at its present location in the home of Dave Goldenbaum (tank). In true cooperative style, the members were their own carpenters and store keepers. A snag in the program for expansion arose with the rubber and gasoline shortages. Stuart Garden residents were particularly hard hit. This difficulty has been overcome by the introduction of a volunteer delivery system. The present canned-goods shortage is, of course, also affecting the store, but cooperatives, which control their own source of supply, have so far fared better than other stores in this respect, and this one has voted to "stick it out."

Many other services are offered by the Association: insurance, auto supplies, books may all be purchased through the cooperative. In other defense communities recreation centers, transportation facilities, dormitories (like our bachelor clubs) and cafeterias are owned and operated cooperatively. In the future an expanded Hampton Roads Cooperative can include these activities in its program.

NACA employees who would like to discuss the cooperative or obtain information should see one of its officers: Mrs. David Goldenbaum, Pres.; M. E. Hathaway, (Impact Basis) Vice Pres.; Ralph B. Miller (T.D.T.) Mgr.; Robert E. Stneet (A.E.R.) Treas.; Doris Cohen (Stab. Res.) Sec. or call Mrs. Goldenbaum at 5655.



SOCIAL BY BOB CRAWFORD

WEDDINGS

The Bulletin wishes the best of good fortune to the following couples whose marriages took place within the last couple of weeks:

- Nance S. Grater, Personnel Office and William J. Underwood, Low T.T. October 28.
- Edith McBride, Newport News, Va. and Mark R. Nichols, P.R.T. November 8, 1942.
- Elizabeth Wiley, Editorial Office and Thomas A. Toll, A.W.T. November 10.
- Muriel L. Harrison, New Bedford, Mass. and Frank Aspine, Eng. Sec. November 14.

WASHINGTON OFFICE

Mr. Russell G. Robinson of the Washington office, formerly of LMAL and considered the Number One bachelor, will soon be removing himself from the state of single blessedness. His engagement to Miss Helen Lucius, also of the Washington office, has recently been announced.

For those male employees of the Laboratory who have had the opportunity to visit the Washington office and meet Miss Lucius this announcement may be disastrous, although a similar effect on the morale of the female employees here at LMAL may also be expected. However, with all joking aside we extend our sincere good wishes to both of them.

La Verne Priddy, A.W.T., is convalescing from an appendectomy at the Retreat for the Sick in Richmond.

Mr. and Mrs. Paul E. Purser announce the birth of a daughter, Mary Elizabeth, on December 5.

DR. CLEAVES TO AERL
 May we extend continued success to Dr. Alden P. Cleaves who with Mrs. Cleaves has left for his new duties with the Cleveland Laboratory.

Invest in war bonds. A good buy today may save a soldier's life tomorrow.
 (Continued on page 5)

LANGLEY VIEWS

by J.P.C.

NOTE

Before the war, occasional tours of the Laboratory were conducted to acquaint the newer personnel with the wind tunnels and other research equipment and to show the type of work being done in the various sections. Later, these tours were discontinued because of the confidential nature of most of the testing being done.

This column is intended to serve as a temporary substitute for these tours by describing briefly each week one portion of the Laboratory's research equipment, and by giving the particular function of each. It is hoped that these articles will show the new personnel why the aeronautical research facilities here at LMAL are considered the best in the world.

THE FREE FLIGHT TUNNEL

At first glance you might have guessed that the big steel sphere behind the spin tunnel building was a huge gas storage tank. Well, if you did you were right! Instead of containing gas, however, it houses the only free-flight tunnel in the world.

Completed in 1939, the free-flight tunnel is one of the Laboratory's newest and most interesting wind tunnels. Here models of proposed airplanes may be flight tested long before the airplanes themselves are out of the design stage, and modifications necessary for improving the design can be made easily, quickly, and without the hazards associated with full-scale flight testing. Thus vital time can be saved in getting the airplane off the drawing board and on to the production line.

The free-flight tunnel is an open-return tunnel of octagonal cross section, 12 feet wide at the throat and 32 feet long. The longitudinal axis of the tunnel is pivoted so that the entire tunnel (and thus the airstream) can be inclined to an angle corresponding to the flight path angle of the model being tested. The tunnel can be lifted to represent glide angles as steep as 40° or climb angles up to 150°. In order to keep the same relation between the tunnel and the outside walls for all tunnel angles, a spherical housing was required, so a standard 60-foot spherical gas storage tank was used with some slight modifications.

The tunnel motor is equipped with a voltage control which provides very flexible airspeed regulation over the entire speed range of 5 to 60 miles per hour.

The models tested in the free-flight tunnel represent the corresponding airplanes accurately in regard to size, weight, and weight distribution. The average model has a span of about 3 1/2 or 4 feet and weighs about 7 pounds.

(continued next column)

CONTACTS: ...



SPORTS

... to ...

FENCING

Fencing classes have been organized at Langley Field and are being sponsored by the Special Service Department. All men and women who are employed on the Field are invited to attend these classes. There will be no charge for these instructions.

The group will meet on Tuesday and Thursday afternoons from 5:00 PM to (?) at the post school. The first meeting was held Tuesday, December 1, and a fair sized group was on hand.

Lt. Cass, who was the "pro" at the Boston University for a number of years, is one of the instructors. He has a wide and varied background in the art.

If you are a beginner, come join us. You will have at least a dozen companions. If you have fenced before, there are also a number of experienced men to work with. Come out and learn to fence or brush up on your technique under a very fine instructor.

It is hoped that a club can be formed and the sport carried on at the field for a number of years.

Electromagnetic mechanisms are installed in each model to move the ailerons, rudder, and elevator, and a small electric motor drives the model propeller. Power for the mechanisms and the motor is supplied through a light flexible cable which trails freely from the model to the floor when the model is flying.

In the flight tests, an operator at the side of the tunnel keeps the free flying model stationary in the tunnel by adjusting the tunnel airspeed to the speed at which the model would be flying in free air, and by setting the tunnel angle to correspond to the flight path angle of the model. A pilot seat at the bottom and rear of the tunnel, using two miniature control sticks to direct power to the proper control mechanisms, actually flies the model in the tunnel. The flight behavior of the model is observed by the pilot and the operator and is also recorded by moving picture cameras at the top, side, and rear of the tunnel.

The tunnel is equipped with a six-component balance on which the same models tested in flight can also be balance tested. The balance tests provide additional quantitative data which is correlated with the stability and control characteristics of the model observed in the flight tests.

SOCIAL (continued from page 4)

The Hampton Little Theatre is now busy rehearsing for its next play "Winterset" by Maxwell Anderson. This play won the Pulitzer prize when it was initially performed in New York. It is a fairly heavy drama, a study in hatred and frustrated love and is generally considered a pretty big order for amateur groups.

The cast of characters includes 19 people of whom 15 are NACA personnel. The play is being directed by David M. Goldenbaum of Tank no. 1.

The only parts as yet open are those of two small boys, anywhere from 8 to 11 years old. Anyone possessing such urchins desiring to act in a nice bit part please communicate with Dave Goldenbaum.

This production requires rather extensive sets. The acquisition of working space wherein to construct them is a serious problem. Anyone who can donate some workshop space, (heated), will earn the gratitude of the Theatre Group if he will notify Bob Johnson at 230.

A.W.T. SOCIAL CLUB HAS NEW NAME

A contest has been going on in the Atmospheric Wind Tunnel for the past two weeks to find a new name for the social and sports club of the section. The club which was formerly nicknamed by its members the "Amalgamated Association" is now called the A.W.T. Wreck-creation Club as a result of the recent contest. Names, which were suggested by various members of the section, were voted on Wednesday by secret ballot. The winning name was submitted by Arthur Wallace, who will receive a prize of one month's free dues in the club.

The association was formed in August for the purpose of having parties, giving gifts on various occasions, and in general adding to the enjoyment of its members. Several parties have already been given since the club was started. These have been planned under the direction of the social committee, which is composed of Bob Swanson, chairman, Janie Burroughs and John Lowry. Kay Kelsey is treasurer for the association.

During September and the first of October two parties were given, a picnic at Oak Point Lodge and a skating party. On Halloween the association gave a square dance and party at the home of Kay Kelsey. The honor guests of the occasion were Tommy Toll and Elizabeth Wiley, who is now Mrs. Toll. They were presented a gift of silver by the A.W.T. at the party.

Each of the parties previously given by the club has proved to be a success. Plans are being made now by the social committee for a Christmas party.

SIXTH SELECTIVE SERVICE (continued from page 1)

"1. The registration of male citizens of the United States and other male persons, who shall have attained the eighteenth anniversary of the day of their birth during the periods indicated below, shall take place in the United States.....
....., between the hours of 9:00 a.m. and 5:00 p.m. on the days hereinafter designated for their registration, as follows:

(a) Those who were born on or after July 1, 1924, but not after August 31, 1924, shall be registered on any day during the week commencing Friday, December 11, 1942, and ending Thursday, December 17, 1942;

(b) Those who were born on or after September 1, 1924, but not after October 31, 1924, shall be registered on any day during the week commencing Friday, December 18, 1942, and ending Thursday, December 24, 1942;

(c) Those who were born on or after November 1, 1924, but not after December 31, 1924, shall be registered on any day during the period commencing Saturday, December 26, 1942, and ending Thursday, December 31, 1942;

(d) During the continuance of the present war, those who were born on or after January 1, 1925, shall be registered on the day they attain the eighteenth anniversary of the day of their birth; provided, that if such anniversary falls on a Sunday or a legal holiday, their registration shall take place on the day following that is not a Sunday or a legal holiday."

All employees of this Laboratory who are affected by this proclamation are requested to register on the morning of one of the days indicated and to report for duty as soon as possible after fulfilling this obligation. The necessary time involved shall not be charged against the registrants' leave.

It is suggested that personnel of this Laboratory register in the basement of the Hampton City Hall or at 111 N. King Street in Hampton. Of course, any person may register at the headquarters of any Local Board.

did you know?

BY BEN VOGELS
THAT MC MORGAN OF THE LMAL ENGINEERING SECTION HAS NOT BEEN OUT ON SICK LEAVE FOR ONE DAY IN A PERIOD OF 15 YEARS.



SELECTIVE SERVICE IDENTIFICATION

General Lewis B. Hershey, Director, Selective Service System, according to the Federal Register, November 25, 1942, has issued these regulations:

1. Every registrant must have in his possession, at all times, a valid Notice of Classification that is current, as well as his Registration Certificate, for inspection by law enforcement officers or other government officers.
2. Every registrant must be in possession of his own Notice of Classification, without any alteration.
3. Any registrant who loses his Notice of Classification should apply to the local board that issued the original for a Duplicate Notice of classification.

RECRUIT FOR THE NACA

Is your next door neighbor a skilled toolmaker, machinist, sheet-metal worker or a mechanic with automotive experience? If he is and is not engaged in vital defense work he is needed by Uncle Sam immediately. Inform him to that effect and ask him to come into the Personnel Office for a personal interview.

Do you know any youths with mechanical aptitude and ability? Surely one of your neighbor's sons is forever tinkering with tools. We have a place for such boys here, and an opportunity for them to become proficient in their favorite line of work. Have them come in for an interview.

Do you know any young women who can type or take shorthand? Do they want to work for Uncle Sam? We have a place for them here.

All positions offer excellent opportunity for advancement. Get busy and recruit for the NACA!

MISPLACED ARTICLES

The items listed below have been borrowed or loaned without record. It is requested that the holder notify indicated parties.

1. Bomb, combustion. Inventory no. 9072. (Notify C. D. Waldron, Phone 318.)
2. Gage, dial, micrometer, 1-inch spindle travel, Ames no. 88. (Notify Engine Analysis Section, Phone no. 247.)
3. Microammeter, D.C., round metal case 3 1/4-inch in diameter. Serial 1387486.

The following items are missing from the Free-Flight Tunnel. If located please notify F. S. Wolak.

1. One Yankee screwdriver.
2. Two small tweezers.
3. Two Starrett jewelers' screwdrivers.
4. One 4-inch Buffalo adjustable end wrench.
5. One 1/2-inch open end wrench.

BONDS (continued from page 1)

1. To help finance the war program.
2. To reduce the civilian use of articles and materials needed for military purposes.
3. To help in the fight against rising prices.
4. To build up a reserve of purchasing power to keep industry going and provide employment after the war.
5. To provide future financial security for all employees.

The attainment of these five objectives can more easily be accomplished by systematic savings. This automatic payroll plan is simple, automatic and dependable. It avoids the "hit and miss" practice. It overcomes forgetfulness and assures an uninterrupted program of savings each pay period with a minimum of effort on the part of the employee. Regular savings enable the Government to estimate more accurately the income from War Savings Bonds in advance.

PERMANENT JOB ORDERS

The following permanent job orders have been approved:

- 240 - Impact Basin - Section operation. All services and materials required for section operation not otherwise chargeable are proper charges to this job order.
- 241 - Impact Basin - Section equipment, alteration, and all services and materials required for section equipment and alterations not otherwise chargeable are proper charges to this job order.
- 242 - Impact Basin - Section maintenance and repair. All services and materials required for section maintenance and repair not otherwise chargeable are proper charges to this job order.

WHEN SICKNESS COMES

Be sure to notify the Laboratory when you are on sick leave. The proper person to notify is the telephone operator at the information desk.

If you call your section head or the Personnel Office, there is a chance that the call will not be relayed to the proper parties. If an error of this type is made it may mean that your next pay check will have to be returned to the Treasury Department for correction.

So, with proper regard to your own interests as well as that of everyone concerned with leave records and disbursements, please report sick leave PROMPTLY and PROPERLY.

"B" is for Bomb, Battleship, Bullet, Bayonet, and ... BONDS!