



EMPLOYEES PRESENT PAPERS AT I.A.S.

Twelve papers prepared by nineteen authors and co-authors of the NACA Laboratories will be presented at the Twenty-Fourth Annual Meeting of the Institute of the Aeronautical Sciences which will be held January 23-26 at Hotel Sheraton-Astor in New York City.

Presented at the Aerodynamics session will be a paper on "Zero Lift-Drag Characteristics of Wing-Body Combinations at Transonic Speeds" by Richard T. Whitcomb, assistant head of the 8-Foot Transonic Tunnels Branch and a report on "Recent Developments in the Theory of Wing-Body Wave Drag" by Harvard Lomax and Max A. Heaslet, Ames Laboratory.

At the VTOL Aircraft group a paper by Marion O. McKinney, assistant head of Free-Flight Tunnel, Richard E. Kuhn, 7 by 10-foot Wind Tunnels, and Jerome B. Hammack, Flight Research on "Examination of Some of the problems Involved in the Design of Propeller-Driven Vertical Take-Off Transport Airplanes" will be presented by Kuhn.

A paper on "Influence of Aerodynamic Heating on the Effective Torsional Stiffness of Thin Wings" by Jean Mayers, Structures Research, and Dr. Bernard Budiansky, formerly of Structures, will be delivered by Mayers at the discussion on Thermal Stress Analysis.

At the Structures session a paper on "An Experimental Study of the Response of Simple Panels to Intense Acoustic Loading" by Leslie W. Lassiter, Harvey H. Hubbard, and Robert W. Hess, all of Vibration and Flutter, will be presented by Lassiter.

"An Investigation of Effects of Certain Types of Structural Non-linearities on Wing and Control Surface Flutter" by Donald S. Woolston and Harry L. Runyan, Vibration and Flutter, will be discussed by Woolston at the session on Aeroelasticity.

Abe Silverstein, Associate Director of the Lewis Flight Propulsion Laboratory, will serve as chairman of the session on Internal Flow in Jet Engines and the following

(Continued on page 4)



Dr. Edward R. Sharp, Director of the Lewis Flight Propulsion Laboratory, has been elected president of the Institute of the Aeronautical Sciences.

A-BOMB DISCUSSION SET FOR JAN. 13

Laboratory employees and members of their families are reminded that the Activities Association will present Charles Gurtler, Instrument Research Division, in an illustrated talk on "What Could Your Family Do to Survive a Nuclear Explosion" on Friday, January 13 at 8 p.m. at the Activities Building.

Admission will be free and tickets will be distributed by the district representatives. The entire family is invited to hear this discussion on atomic survival.

The lecture will be concerned primarily with preparations and precautions that should be taken in the home so that the family might have a better chance to survive an atomic attack.

Gurtler was one of 25 men selected from various areas throughout the United States to attend a 4-week training program at the Nevada test site last spring. He was a first-hand witness of atomic bomb explosions at the test site.

Air Scoop, January 6, 1956
Vol. 15, Issue 1

SHARP CHOSEN I.A.S. PRESIDENT

The Institute of the Aeronautical Sciences has announced the election of Dr. Edward R. Sharp, director of the Lewis Flight Propulsion Laboratory, as president for 1956. He will be installed January 23 at the I.A.S. Honors Night Dinner, a highlight of the engineering society's annual meeting in New York.

Dr. Sharp, who is currently a vice president of the I.A.S., will be the Institute's twenty-fourth president. He succeeds Robert E. Gross, who is president and board chairman of Lockheed Aircraft Corporation, Burbank, California.

One of the NACA's first employees, Dr. Sharp has been with the Committee 34 years. His first 18 years were spent at Langley where he was administrative officer at the time he was transferred to Cleveland in 1941 to oversee the design and construction of the new engine research laboratory. He was placed in charge of Lewis Laboratory when it opened in 1942. For a time in 1940 he was administrative officer of the Ames Laboratory at Moffett Field.

For his work in establishing and operating the Lewis Flight Propulsion Laboratory, Dr. Sharp was awarded the United States Medal for Merit by President Truman, and an honorary Doctor of Science degree by Case Institute of Technology.

The Institute's Council also elected four vice presidents and the treasurer for 1956. The vice presidents are:

William B. Bergen, executive vice president of The Glenn L. Martin Company, Baltimore; Victor E. Carbonara, president of Kollsman Instrument Corporation, New York City; Edgar Schmued, vice president in charge of engineering, Northrop Aircraft, Inc., Hawthorne, Calif.; and Raymond C. Sebold, vice president for engineering, Convair Division of General Dynamics Corporation, San Diego.

For treasurer, the Council chose Sherman M. Fairchild, chairman of the board of Fairchild Camera and Instrument Corporation, New

(Continued on page 4)

LANGLEY AERONAUTICAL LABORATORY

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Service Building, telephone 2376.

Editor.....Ruth Angel Verell

Staff Photographer.....Bill Taub

Reporters.....Langley Employees

The Air Scoop is printed by the Mechanical Reproduction Staff.

LIFE AT THE LABORATORY

Celebrating.

double income tax deductions is Carolyn DeAlba, Figure Preparation. She became the mother of twin daughters on Sunday, December 18. The young ladies tipped the scales at 4 pounds, five ounces, and five pounds.

Midnight Howl.

Walking the floor nights is Raymond Hulcher, Instrument Construction. He became the father of a daughter on Tuesday, December 13.

The Laboratory staff.

now has a celebrity in its midst. The young man concerned is Mark Preston Ayres who arrived at 12:19 a.m. on Sunday, January 1 to become the first newcomer on the Peninsula for 1956. The proud father is Harold Ayres and he works in Instrument Construction.

Taking a nose-dive.

into the sea of matrimony was James L. McConnel, Water Loads Branch. He deserted the bachelor ranks on Thursday, December 22 when he took his final vows with Judith Brockenbrough, of Warwick.

Weighing in.

at six pounds, four ounces on Monday, December 26 was Mary Diane, new daughter of Lucy, formerly of Editorial Office, and Bill McGowan, Maneuver Loads.

The pay day.

game night, sponsored by the Activities Association, will be held on Thursday, January 12 at 8 o'clock in the Activities Building.

Diaper Lines.

It was a close call at the Robert Dale household but Kathy Lou arrived on December 31 just in time to make the income tax deadline. The father works in Instrument Research and the mother, Virginia, is formerly of Fiscal Division.

Sporting a new sparkler.

on the third finger left hand is Doris Bowden, Classification. She is engaged to Leo Hopkins, of Warwick, and no definite date has been announced for the wedding.

Television Program.

A television program has been scheduled for the Columbia Broadcasting System at 2:05 to 2:15 p.m. EST on Saturday, January 7, entitled "Adventures in Science with Watson Davis". The program will feature Richard T. Whitcomb, assistant head of 8-Foot Tunnels Branch, who will discuss "Research for Faster Flying". However, the local CBS affiliate, WTAR-TV of Norfolk, indicated at Air Scoop press time that they could not schedule the program because of previous commitments.

WANTED: Heavy duty drill press and large emory wheel. Marshburn, 1649 Briarfield Rd.

FOR SALE: 1948 Dodge custom - \$225. Cross, Hampton 8141.

WANTED: Ice skates. Mueller, Hampton 38172.

FOR RENT. Furnished waterfront apartment for couple. Hooker, Newport News 43038.

FOR SALE: 10-foot MW refrigerator - \$70, 40-inch Tappan range - \$34, gas space heater - \$12. Brissenden, H-8665.

FOR RENT: House at 64 Cavalier Rd. Silveira, H-23852.

FOR SALE: Dumont 12-inch TV combination. Schnitzer, NN-51640.

FOR SALE: 1951 Henry J. Gregory, Hampton 38829 after 5.



Safety Rules are guide posts

. . . they point out the road to freedom from accident and injury. It will pay you to follow them.

VACANCIES OPEN AT LABORATORY

The Employment Officer announced this week that vacancies are open at the Laboratory for Technical Illustrators, GS-5 and GS-7, and Statistical Draftsmen, GS-5.

Applicants for both positions must have had a minimum of four years of experience.

Employees knowing of anyone interested in these positions are asked to contact the Employment Office, telephone 2272.

FOR SALE: Motorola automatic record changer. Justice, W-82743.

FOR SALE: Navy blue evening dress-size 12 - \$40, white and silver evening slippers - size 6-1/2A - \$10, alligator shoes size 6B and matching bag - \$10. Evans, W-80483.

FOR SALE: 1955 Oldsmobile 88 Holiday coupe. Edens, H-34195.

FOR SALE: Mossburg model 146B repeating 22 rifle. James, H-38006.

FOR RENT: Single and double rooms for men. Mrs. Farmer, NN-42613.

FOR SALE: Thor wringer type washer. Church, H-36934.

FOR SALE: 155 gallon oil tank with legs. Culotta, H-36142.

FOR SALE: Double breasted winter tuxedo - size 37. Fournier, W-80758.

BOWLING NEWS

WEDNESDAY DUCKPIN LEAGUE

Rebel Bombers lost two games and I.A.B. won two to tie for first place with 25 wins and 17 losses. Hotshots and 16-Foot are only one game behind with 24 wins and 18 losses each. R. Adcock rolled high scores for the men with a 145 game and 378 set. Tops for the women were Georgene Miltonberger with a 111 game and Ann Wisecarver with a 299 set.

STANDINGS

Team	W	L	Avg.
Rebel Bombers	25	17	.595
I.A.B.	25	17	.595
Hotshots	24	18	.571
16-Foot	24	18	.571
West Machine 2	23	19	.547
West Model 2	20	22	.476
Const. Eng.	14	28	.333
Tankers 2	13	29	.309

TENPIN LEAGUE

Spare Oops broke the four-way tie for first place to take over with 28 wins and 17 losses. Tied for second are Hornets and Fivers with 27 wins and 18 losses each. Ed Leyhe was high scorer for the week with a 233 game and 585 set.

STANDINGS

Team	W	L	Avg.
Spare Oops	28	17	.622
Hornets	27	18	.600
Fivers	27	18	.600
West End	26	19	.578
Flight	26	19	.578
Pinbusters	19	26	.422
Rockets	18	27	.400
Fiscal Wrecks	9	36	.200

MONDAY SPORTS BOWL LEAGUE

Scotch and Tapers took over first place with 27 wins and 9 losses and Free Flight Fliers are trailing in second with 22 wins and 8 losses. Top scores for the week were rolled by Bill Letko with a 128 game and 341 set, Dot Ramsen with a 107 game and Gay Gilbert with a 286 set.

STANDINGS

Team	W	L	Avg.
Scotch and Tapers	27	9	.750
Free Flight	22	8	.733
Flight	16	17	.485
Gas Dynamics I	15	18	.455
Loads	14	22	.389
Tank	14	22	.389
Gas Dynamics II	11	25	.306

MONDAY DUCKPIN LEAGUE

East Machine I won all three games to strengthen their hold on to first place with 33 wins and 9 losses. High scores for the week were rolled by Harper Gerring with a 141 game and Ed Swansey with a 351 set. Tops for the women were Helen Thompson with a 118 game and Ruth Gerring and K. Waters with a 271 set each.

START THE NEW YEAR RIGHT... WITH PAYROLL SAVINGS.

Buy U.S. Savings Bonds REGULARLY

ARCHERY CLUB

The NACA Archery Club will meet on Tuesday, January 10 at 7:30 p.m. at the NACA Rifle Range. Included on the agenda will be the election of officers for the year. All members are urged to attend.

FOR SALE: 1953 1/2 ton Chevrolet Truck. C. H. Insley, W-83396.

FOR SALE: Petri 35 mm camera, 2.8 lens, built in range finder and other features. Smith, H-34589.

FOR RENT: 6 room house near Langley Field. Mrs. Bowman, NN-27894.

FOR RENT: 2 room furnished apartment. Hudgins, H-4247.

FOR RENT: 2 bedroom house on Harris Creek Rd. Mrs. Holtzclaw, Hampton 33756.

FOR SALE: 3 bedroom house. Arbic, 110 Patrician Dr., W-85030.

FOR SALE: Stuart Gardens bungalow east of Wickham Ave. Scher, Newport News 43420.

STANDINGS

Team	W	L	Avg.
East Machine I	33	9	.786
Stores Branch	27	15	.643
PARD	23	19	.548
Vibrators	21	21	.500
Structures	21	21	.500
West Machine III	19	23	.452
West Model I	19	23	.452
Ribs	18	24	.429
East Machine 2	17	25	.405
Fabrication	12	30	.286

153 EMPLOYEES DONATE BLOOD

The Red Cross Bloodmobile made its fifth visit for 1955 to the Laboratory during the latter part of December and employees donated a total of 153 pints of blood, bringing the total for the year to 864 pints.

Harold Youngblood, Instrument Research, became the Laboratory's first three-gallon donor and Pat Cancro, formerly of 19-Foot Pressure Tunnel, and Leigh Lewis, Instrument Engineering, joined the two-gallon group.

The following employees received one-gallon pins: Joe Italiano, Dynamic Model Engineering; Dick Dingeldein, Michael Cannon, and William Scallion, all of Full-Scale Tunnel; Thomas B. Sellers, Special Projects; A. M. Tankersley and William Petynia, Tank I; R. W. Mulac, Office of Associate Director; Martin Brennan, Mechanical Specifications; John Householder, Flight; C. L. Brown, Heat Treating; Kathleen Wicker, Machine Computing; W. J. Tuovila, Vibration and Flutter; Lee McDaniel, West Machine; Norwood J. Smith, IRD; and Keith Henegan, East Machine Shop.

The first visit for 1956 has been scheduled for February 29 and all persons interested in registering to donate blood may call the East Area Dispensary.

LITTLE THEATRE PLANS TRYOUTS

Tryouts for the Hampton Little Theatre's winter production, "On Borrowed Time", will be held at the Syms-Eaton Community Center on Sunday at 3 o'clock and Monday at 7:30.

The play will be directed by David M. Goldenbaum, Tank I.

Goldenbaum stated that the cast calls for 11 men and 3 women and that a complete backstage crew is needed. All persons interested are invited to come out to tryouts.

JACKSON RETIRES FROM LABORATORY

William S. Jackson, Transportation and Service, retired from the Laboratory on December 21, 1955.

Jackson was born February 17, 1902 in Mathews County. Before joining the Laboratory staff he worked twelve years for the City of Hampton and several years with various local contractors.

He entered on duty at the Laboratory on August 21, 1945 as a laborer.

FOR SALE: 80 gallon glass lined electric hot water heater - \$35. Vogelwede, H-6463.

PRESENT PAPERS

(Continued from page 1)

papers will be presented: "Experimental and Analytical Investigation of Secondary Flows in Ducts" by A. G. Hansen and H. Z. Herzig, Lewis Laboratory, and "Aerodynamic Considerations of Nozzle-Afterbody Combinations" by Edgar Cortright, Lewis.

Dr. Allen O. Gamble, formerly of NACA Headquarters, will give a paper on "Engineers' Progress in Research, and Why" at the session on Aeronautical Engineering Education.

John E. Yeates, Flight Research, will present a paper on "A Discussion of Helicopter Vibration Studies Including Flight Test and Analysis Methods Used to Determine the Coupled Response of a Tandem Type" at the session on Helicopter Test and Development and Arthur A. Regier, head of Vibration and Flutter Branch, will give a paper on "Noise, Vibration, and Aircraft Structures" at the discussion on Aircraft Noise.

NACA EMPLOYEES RECEIVE EMBLEMS

Four members of the NACA Headquarters staff recently received 35-year service emblems and six others were honored for long service.

Edward H. Chamberlin, executive officer, headed the list of those receiving 35-year pins. He was one of the first employees hired after the NACA was established in 1915.

Others who were awarded 35-year pins were Catherine Wheeler, assistant to the director; Frank J. Clarke, chief of the administrative services division, and Edgar N. Hammerley, technical illustrator.

Service emblems were also given to Louise V. Lawhorn, records analyst, 25 years; William M. Thompson, fiscal officer, 20 years; Charles H. Sturges Jr., technical illustrator, 15 years; Albert Coya, budget analyst, 15 years; Mary Liggett, clerk stenographer, 15 years, and Benson E. Gammon, aeronautical research scientist, 15 years.

WANTED: Ride or driving combination from vicinity of Pear Ave. to E.A. on 8 shift. Fournier, 2261.

WANTED: Ride from La Guard Dr. to E.A. on 8 shift. Egolf, 2208.

WANTED: Bowler to bowl with Fabrication team on Monday nights. Hackney, 4489.

WANTED: Ping-pong table. Mercer, Hampton 8994.



Dr. Hugh L. Dryden, NACA Director, will address the Hampton Roads section of the I.A.S. on Jan. 13.

DRYDEN TO ADDRESS LOCAL I.A.S. SECTION

Dr. Hugh L. Dryden, NACA Director, will speak at the meeting of the Hampton Roads section of the Institute of the Aeronautical Sciences on Friday, January 13 at 7 p.m. at Vic Zodda's restaurant. Prior to the meeting, a social hour will be held at 6:30.

Before taking his position with the NACA, Dr. Dryden served as associate director for the National Bureau of Standards. He is an Honorary Fellow and a past president of the I.A.S. and is a world-renowned authority on boundary-layer flow and turbulence.

Members of the Institute have cards which they should mail for reservations and they must also purchase tickets from one of the following persons: A. L. Braslow, General Aerodynamics; John Eggleston, Flight; Richard Kuhn, 7 by 10; J. P. Shivers, Full Scale, or Emanuel Boxer, Supersonic Compressors.

Members not employed at NACA should call Larry Loftin, Warwick-8-4224 for reservations and tickets. Loftin has also requested that he be notified if there should be a change of personal plans.

FOR SALE: Military jeep with closed cab, heater, and dog box. Gammage, H-6812 after 6.

FOR RENT: Room. Mrs. Bookbinder, NN-51506.

FOR SALE: 103' by 258' wooded lot on Longwood Dr. - \$5900. Hammack, W-82677.

CREDIT UNION PLANS MEETING JANUARY 16

The 1956 annual meeting of the LMAL Federal Credit Union will be held in the Activities Building on Monday, January 16. A buffet supper will be served at 6:30 p.m. and a souvenir of the occasion will be given to each person as they enter the building.

Since the amount of space and facilities of the building are limited, it has been necessary to restrict the number of persons attending the dinner to 500, with admission by ticket only. Because all tickets have been distributed and are at a premium, it is requested that anyone having tickets they do not expect to use return them to the credit union office so that others may use them.

The dinner will be followed by a business meeting. At this session, officers will be elected and action taken on the annual dividend. All members are urged to attend.

SHARP ELECTED

(Continued from page 1)

York, and a director of Fairchild Engine and Airplane Corporation, Hagerstown, Maryland.

The three principal staff officers of the Institute were reappointed by the Council. They are: S. Paul Johnston, director, Princeton, N. J.; Robert R. Dexter, secretary, Ossining, N. Y.; and Joseph J. Maitan, Controller, Garden City, New York.

NOTICE: The Stores Branch Office has moved from the first floor of the Warehouse Building to the second floor, Room 216. Located in the new quarters are the branch head, assistant branch head and the receiving unit. Telephone numbers remain unchanged.

WANTED: Driving combination from Oak Dr. - Hidenwood area to E.A. on 8 shift. Boswinkle, 2240.

LOST: Copper cuff link - clips on over button. Woolston, 4597.

WANTED: Ride, passengers or driving combination from vicinity of Eaton St. to W.A. on 8 shift. Plott, 4533.

FOR SALE: 125 gallon oil tank. Williams, H-8940.

FOR SALE: 1949 Nash sedan. Lange, H-4895.

WANTED: Ride from Manteo Ave. to E.A. on 8 shift. Hart, 2392.



FOUR RECEIVE SERVICE PINS

In informal ceremonies held last Friday in the West Cafeteria, Dr. H. J. E. Reid, Director, presented 35-year service emblems to three staff members and one employee received a 30-year pin.

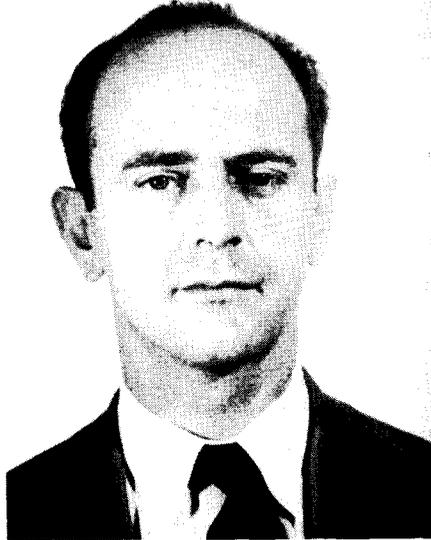
Receiving 35-year pins were Robert E. Mixson, head of General Service Division; Percy R. Keffer, head of Woodworking Branch, and Benjamin G. Bennett, Instrument Research Division. Walter G. Walker, Gust Loads Branch, was presented a 30-year emblem.

Mixson, the Laboratory's oldest employee in point of service, is a native of South Carolina. After serving two years in the Navy, he joined the Committee on August 11, 1919 as an airplane motor mechanic and was assigned to the hangar as half of the line crew. He was later transferred to AWT when that tunnel was put into operation. He also assisted in setting up the VDT. He went into instrument work and later took over Instrument Calibration. Following this he was made head of the Reproduction Section and for the past few years he has been chief of the General Service Division.

Bennett, who ranks second to Mixson in length of service, was born in New York City. He graduated from Brooklyn High School and attended New York University. Before joining the Laboratory staff as a mechanical draftsman on May 17, 1920, he worked as a draftsman for the New York Telephone Company, Department of Public Works in New York, and the Bureau of Naval Operations in Washington. During his service here he has been assigned to the Photo Lab, Instrument Calibration, West Engineering, and Instrument Research.

Keffer is a native of Virginia and he claims Blacksburg as his birthplace. He served his trade as a patternmaker at the Newport News Shipbuilding and Dry Dock Company. He served in the U. S. Navy and after his discharge in 1919 he went to work in the Norfolk Navy Yard and

(Continued on page 4)



William L. Shimp, Fiscal Division, died Saturday afternoon at Mary Immaculate Hospital.

WILLIAM L. SHIMP DIES AT AGE 34

William L. Shimp, a supervising accountant in the Fiscal Division, died Saturday afternoon at Mary Immaculate Hospital.

Shimp was born May 2, 1921 in Ephrata, Pennsylvania. He graduated from Ephrata High School and attended Pennsylvania State College from 1940 to 1943. On December 6, 1943 he enlisted in the U.S. Air Force. He was honorably discharged with the rank of sergeant on April 3, 1946.

Following his military service, he joined the Flying Safety Office at Langley Air Force Base in April, 1946. On February 20, 1950 he transferred to the Laboratory.

Shimp and his family resided at 302 Cynthia Drive, Hampton.

He is survived by his wife, Mrs. Evelyn Allison Shimp; two sons, Billy and Greg Shimp; a brother, Richard Shimp, and a sister, Mrs. John L. Schlosser, both of Pennsylvania.

Air Scoop, February 17, 1956
Vol. 15, Issue 7

BIRTHDAY DANCE NEXT TUESDAY

Laboratory socialities are reminded that the Activities Association will sponsor a George Washington Birthday Dance on Tuesday, February 21 in the Activities Building.

The informal affair will be the third in a series of bargain night dances and tickets will be \$1.50 per couple and they will be available at the door only.

Music will be furnished by The Southerners and dancing will be from 9 p.m. 'til midnight.

As was pointed out last week, Wednesday, February 22 is a holiday so party-goers will have an opportunity to sleep late on the morning following the dance.

Cecil Burtner, chairman of the Social Committee, suggested that employees plan a section or division get together and come out for a full evening of entertainment and relaxation with fellow workers and friends.

14 APPRENTICES ON HONOR ROLL

Training officials announced that 14 apprentices finished the semester from September 13, 1955 to February 2, 1956 with an average of 97 or better.

Members of the Apprentice School honor roll are as follows: Gary K. Ballard, West Machine Shop; Robert L. Belbin, Electrical Engineering Section; James Bradshaw, West Engineering; Jackie A. Butler, East Engineering; Clarence Cole, Instrument Construction Shop; Charles Gilliland, West Sheetmetal Shop; Raymond Grow, West Engineering;

Kenneth A. Laband, Electrical Shop; Charlie L. Lawson Jr., Dynamic Model Engineering Section; Gordon Moore, Instrument Construction Shop; Mark E. Price, Electronic Instrument Construction; John M. Robeson, Electrical Engineering; Lawrence Williams, Equipment Engineering, and Milton Williams, Dynamic Model Engineering.

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Editor.....Ruth Angel Verell

Staff Photographer.....Bill Taub

Reporters.....Langley Employees

The Air Scoop is printed by the Mechanical Reproduction Staff.

LIFE AT THE LABORATORY

A Laboratory romance.

was climaxed when Amy Davidson, 8-Foot Transonic Tunnels, and Charles Ruhlin, Low Turbulence, took their final vows on Wednesday, January 25 at Fort Monroe. Ed Leyhe, Full Scale Analysis, served the groom as best man.

Word.

has just reached the Laboratory that Ruth Dow, formerly of Cascade Aerodynamics, became the mother of an eight pound, two ounce son on Monday, February 13.

Celebrating.

the arrival of a six pound, eight ounce son on Thursday, February 9 is Alexander Sabol, Gas Dynamics.

Wedding bells.

rang on Saturday, February 4 when John S. Mixson, Water Loads, took his final vows with Cynthia Ann Parker, of Poughkeepsie, New York.

Announcing.

the arrival of a seven pound, four ounce daughter, Debra Jane, on Friday, February 3 are Jackie and Charles Miller, both of 7 by 10-foot Wind Tunnels.

Weighing in.

at seven pounds was a new daughter who was delivered to the Larry Emory household on Saturday, February 11. The proud father works in Instrument Research.

The pay day.

game night, sponsored by the Activities Association, will be held on Thursday, February 23 at 8 p.m. in the Activities Building.

New heir.

Announcing the arrival of an eight pound, eight ounce son, Mason Faraday, on Saturday, February 4 are Penny, formerly of 8-Foot Transonic Tunnels, and George Stokes, Full Scale Tunnel.

Another.

proud father who is passing out cigars and candy is Robert Vidensek, Structures Research. He became the father of a son on Tuesday, February 7.

Holiday notice.

Wednesday, February 22 is a holiday which means that the Air Scoop will have to go to press a day earlier. Employees wishing to submit material for publication in the February 24 issue of Air Scoop are requested to turn it in by noon on Monday.

Making plans.

to desert the bachelor ranks is John W. Simpson, Instrument Construction Shop. He is engaged to June Roberts, of Washington, D. C., and the wedding will take place in April.

FOR SALE: 1954 Plymouth - 4 door. Will take older car as down payment. Koch, H-38421.

FOR SALE: 1950 Buick. Jones, Hampton 3-5046.

FOR SALE: Motorola convertor - \$12. Lockwood, Seaford 2332.

FOR SALE: 3 bedroom ranch type house near Langley Field. Major Pauly, H-35221.

FOR SALE: New Firestone 4 ply tires-7.10 - 15. Martin, H-3h665.

WANTED: Ride from Stuart Gardens to W.A. on 7:30 shift. French, 4410.

Observe SAFETY RULES

AT HOME



WORK

AND PLAY



"YES SIR!"

CREDIT UNION MOVES TO NEW QUARTERS

The main office of the Credit Union was moved last week to the north end of the old cafeteria building in West Area. More spacious quarters are now available and it is felt that a greater number of employees can be more conveniently served at this new location. The office in the East Area will continue to operate as a branch office.

Offices hours have been changed as follows: East Area - 9:30 a.m. to 3 p.m. daily; West Area - 9:30 a.m. to 3:30 p.m. daily except on paydays when the office will remain open until 4 p.m. The outside phone has been changed to extension 160.

WANTED: Ride or driving combination for 2 from Pine Chapel Village to W.A. on 7:30 shift. Byers, 4611.

FOR SALE: 10 meter mobile transmitter complete with modulator and dynamotor. Jansson, H-36487.

FOR SALE: Garden tractor with all attachments. Bradley, Poquoson - 4261.

FOR SALE: New Remington 60 deluxe electric shaver - \$20. Smith, Hampton 34589.

BOWLING NEWS

"THE BALD IGGLE"

By AL CAPP

MONDAY DUCKPIN LEAGUE

East Machine I continued to lead the league with 41 wins and 16 losses. Following in second place is Stores Branch with 36 wins and 21 losses. Top bowlers for the men were John Nettles with a 130 game and John Dupere with a 369 set. Mary Edwards led the women with a 107 game and 316 set.

STANDINGS

Team	W	L	Avg.
East Machine I	41	16	.719
Stores Branch	36	21	.632
Structures	32	25	.561
Vibrators	30	27	.526
Bald Iggles	30	27	.526
West Model 1	29	28	.509
East Machine 2	26	31	.456
Ribs	25	32	.439
West Machine 3	22	35	.386
Fabrication	14	43	.246

MONDAY SPORTS BOWL LEAGUE

Scotch and Tapers won all 3 games to increase their lead to 37 wins and 14 losses. Free-Flight Fliers trail in second with 31 wins and 17 losses. Top bowlers for the night were Todd Burk with a 132 game and 340 set and Gay Gilbert with a 127 game and 345 set.

STANDINGS

Team	W	L	Avg.
Scotch and Tapers	37	14	.725
Free-Flight	31	17	.646
Flight	28	23	.549
Gas Dynamics I	25	26	.490
Gas Dynamics II	21	30	.412
Tank	16	32	.333
Loads	18	36	.333

IRD-PARD BOWLING LEAGUE

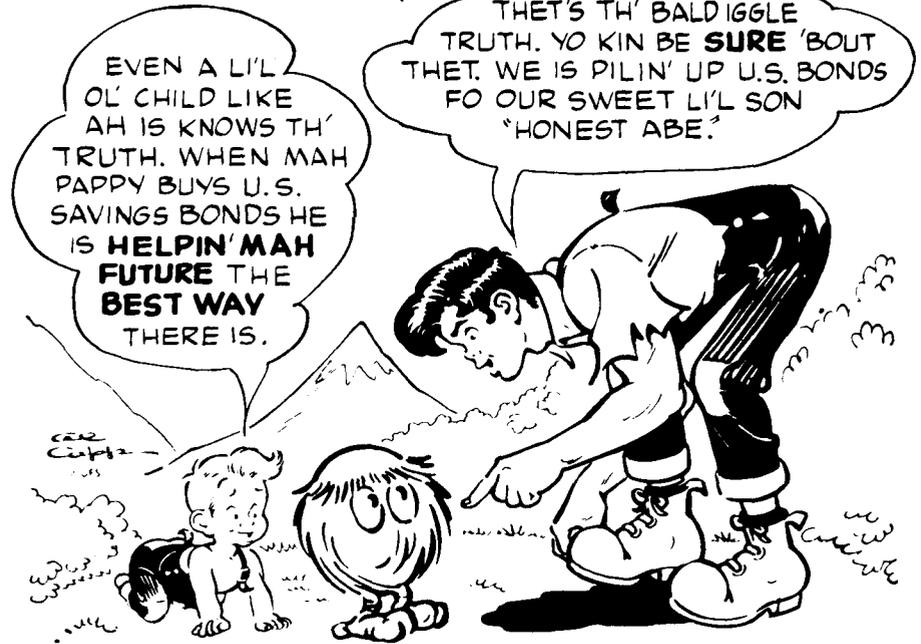
The league started its third and final round this week with Hi-g's and Jets remaining the only undefeated teams with 3 wins each. High scores were rolled by Wade Cason with a 143 game and Wade Bralley with a 362 set. Tops for the women was Marge Zender with a 105 game and 305 set.

STANDINGS

Team	W	L	Avg.
Hi-g's	3	0	1.000
Jets	3	0	1.000
Terrorpins	2	1	.667
Skyhooks	2	1	.667
Missiles	1	2	.333
New Leafers	1	2	.333
RALPH	0	3	.000
Pinhookers	0	3	.000
Nicki-Hokeys	bye		

WEDNESDAY DUCKPIN LEAGUE

I.A.B. won two games to remain in the lead over second place Hotshots by a margin of two games. Rolling top scores for the men were Bill Whipkey and Bill Nelson with a 144 game each and Ralph Hearn with a 358 set. Catherine Whipkey rolled high game for the women with 106 and Ferne Gapcynski took high set with 297.



BADMINTON NOTICE: The Badminton games scheduled for Tuesday night at the Activities Building will be played on Wednesday at 7:30 p.m.

WANTED: Ride from Wythe to E.A. on 8 shift. Margaret Burcher, Newport News 2-2695.

FOR SALE: Thayer baby carriage - \$10. Osborne, W-86039.

ADULT EDUCATION COURSES OFFERED

The Vocational and Adult Education Department at Hampton High School announce that registration is now open for courses in Strength of Materials and Shop Sketching. Both courses will run for 40-hours and a nominal fee of \$5 will be charged for each.

Laboratory personnel interested in registering for these courses are asked to contact the Training Office, 2256.

A 50-hour course in Americanization, which stresses preparation for citizenship, is scheduled to start Monday, February 20 at 7 p.m. The course also provides assistance to its members in problems in reading and writing.

Other courses being offered include the following: Musical Literature, Sewing, Art, Home Builders Forum, Applied English, and Interior Decorating.

Persons interested may register on Monday or Thursday from 7 to 8:30 p.m. at the front entrance of the high school.

SPORTS NIGHT

ON FRIDAY, MARCH 2 AT 7:30 P.M. IN THE ACTIVITIES BUILDING THE ACTIVITIES ASSOCIATION WILL SPONSOR A PROGRAM OF INTEREST TO ALL FISHERMEN, FISHERWOMEN, AND FRIENDS. REFRESHMENTS WILL BE SERVED. FOR FURTHER DETAILS SEE NEXT WEEK'S "AIR SCOOP".

STANDINGS

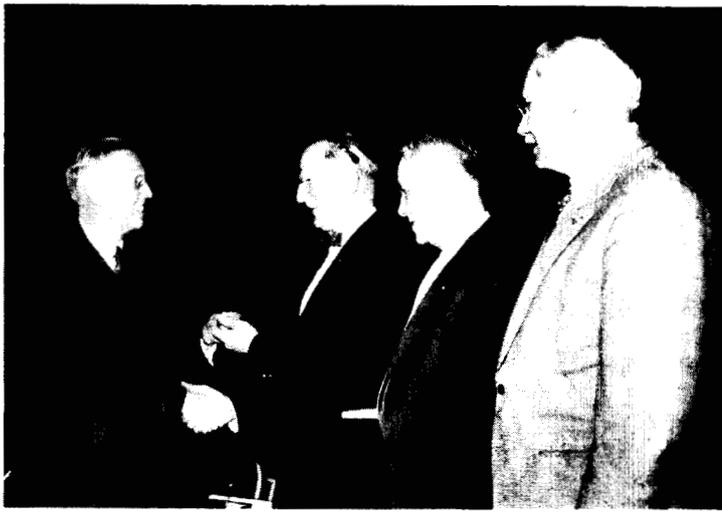
Team	W	L	Avg.
I.A.B.	38	22	.635
Hotshots	36	24	.601
16-Foot	35	25	.585
Rebel Bombers	31	29	.518
West Model 2	30	30	.500
West Machine	29	31	.484
Tankers 2	22	38	.367
Const. Eng.	19	41	.317

TENPIN LEAGUE

Things are all tied up in the Tenpin League again with Spare Oops and Flight in first place with 40 wins and 23 losses each and Hornets and West End in third with 35 wins and 28 losses each. High scores were rolled by Gene Moen with a 225 game, Dick Harman with a 628 set, and Edith Moen with a 203 game and 547 set.

STANDINGS

Team	W	L	Avg.
Spare Oops	40	23	.635
Flight	40	23	.635
Hornets	35	28	.556
West End	35	28	.556
Fivers	33	30	.524
Pinbusters	27	36	.429
Rockets	25	38	.397
Fiscal Wrecks	17	43	.283



In informal ceremonies held last Friday three employees were presented 35-year service emblems and one received a 30-year pin. Left photograph - Dr. John F. Victory, Executive Secretary and the NACA's first employee, presents a 35-year pin to Robert E. Mixson,



the Laboratory's oldest employee in point of service. Looking on are Benjamin G. Bennett and Percy R. Keffler, who also received 35-year pins. Right photograph - Dr. H. J. E. Reid, Director, presents a 30-year service emblem to Walter G. Walker. --Photos by Taub

CAPITAL VISCOUNT SUBJECT OF TALK

The Vickers Viscount of Capital Airlines will be the subject of a film and lecture at a meeting of the Hampton Roads Section of the Institute of the Aeronautical Sciences on Tuesday, February 21 at 8 p.m. in the Projection Room, Administration Building.

Hugh F. Jacox, assistant sales promotion manager of Capital Airlines, will discuss the engineering aspects of the Viscount and of the Rolls-Royce Dart engines. He will show a film of the British-built turbo-prop Viscount recently placed in service on several Capital Airlines routes. Capital is the only U.S. airline having turbo-prop planes in service. The company has purchased 60 of the prop-jet planes for sixty-seven and one-half million dollars with final delivery scheduled for 1957. The Rolls-Royce Dart engines will be discussed in detail.

Jacox has a background of 15 years in aviation. Born in Clarksburg, West Virginia, he attended the University of Maryland and the University of Glasgow, Scotland. His career with Capital Airlines began in 1941 when he accepted a position as an operations agent. He served with the Marine Corps from 1943 to 1946 and from 1951 to 1952 he served in the Air Force as a passenger service officer in Europe.

Light refreshments will be served after the meeting. Ladies and non-members are invited to attend.

--Buy U.S. Savings Bonds--

NEW SAFETY SHOE PROGRAM PLANNED

Raymond Codrea, representative of Lehigh Shoe Company, arrived at the Laboratory yesterday to assist staff members in setting up a new safety shoe program.

A complete new stock of shoes will be available and Codrea will be here today to assist employees in their purchase of safety shoes.

The new shoe office is located on the first floor of the Warehouse Building in the space formerly occupied by the old Stockroom. The office will be open all day today.

Starting Monday the hours of operation will be from 1 to 3 p.m. on Mondays through Fridays. Night shift employees may make an appointment to purchase shoes by calling David Buchanan or Walter Porter, 4560.

RETIRED EMPLOYEE DIES IN HAMPTON

William S. Jackson, retired employee, died Sunday night in the Dixie Hospital after a long illness.

Jackson was born February 17, 1902 in Mathews County. Before joining the Laboratory staff he worked twelve years for the City of Hampton and several years with various local contractors.

He entered on duty at the Laboratory on August 21, 1945 and was assigned to Transportation and Service. He retired from the Committee on December 21, 1955.

FOR SALE: 7-inch circular saw with 1/3 hp motor and bench. Gillespie, H-34492.

SERVICE PINS

(Continued from page 1)

then to Charleston, West Virginia, where he opened a model shop. He returned to the Peninsula in 1920 and joined the Laboratory staff as a patternmaker on September 20.

Walker is a native of Newport News. He graduated from Newport News High School and attended Massachusetts Institute of Technology for two years. He worked as a machinist at the Newport News Shipbuilding and Dry Dock Company until he entered on duty at the Laboratory on February 3, 1926 as an aeronautical helper.

BASKETBALL NEWS

Hawks and West Machine remain in the undefeated ranks with Hawks having won 6 games and West Machine chalking up 4 victories.

STANDINGS

Team	W	L	Avg.
Hawks	6	0	1.000
West Machine	4	0	1.000
Structures	4	2	.667
Spin Tunnel	3	2	.600
IRD	3	3	.500
West Fabrication	3	4	.429
Co-ops	1	5	.167
E.I.C.S.	0	8	.000

FOR RENT: 5 room house with refrigerator, stove and heater - Marshburn, 1649 Briarfield Rd.

FOR SALE: 2 bedroom house with attached garage and laundry area - near Langley. Harper, H-7468.

FOR RENT: 4 room furnished or unfurnished apartment with private entrance - in Boulevard section. Mrs. Williams, 49 Alleghany Rd., Hampton 5153 or 7043.



CHILDREN'S PLAY PLANNED APRIL 21

Here's good news for boys and girls, parents and everyone! The Children's Committee of the Activities Association has arranged with the famous Mae Desmond Children's Theatre to bring their newest and most exciting production, "Kit Carson and the Indians", to the Activities Building on Saturday, April 21 at 2:30 p.m.

If you've ever wanted to see one of the greatest adventure stories of all time come to life right before your eyes, be sure to get a ticket for "Kit Carson and the Indians". Here is a play that has everything. Not only is it based on a famous historical event - the conquest of the American west - but it is also chock-full of laughs, thrills and suspense. It tells the wonderful story of Kit Carson, the most daring of all the great wilderness scouts, and Blackhawk, the fiery young Indian Prince of the Blackfoot Nation.

Many colorful characters are featured: Maria Josefa, the sweet young girl Kit plans to marry; Annie Bent, a rough-and-ready frontierswoman with a grudge against thieves and cheats; Chief White

(Continued on page 4)

AIR TRAVEL OFFICE OPENS AT LANGLEY

A Joint Airlines Military Traffic Office has been opened in Building T-111 on Dodd Boulevard, near the main Post Exchange, to represent all scheduled commercial airlines, it was announced by H. W. Abbott, manager.

Abbott said the office will be operated for the convenience of all civilian and military personnel at Langley from 9 a.m. to 5:30 p.m. Monday through Friday. Airline reservations may be made, ticket orders may be picked up, and air travel information will be available at the new office.

William E. Petterson is the agent assigned to the office by the cooperating airlines. The Base telephone extension is 7272.



John C. Houbolt, assistant chief of the Dynamic Loads Division, has been selected to receive the Rockefeller Public Service Award.

TWO WEEKS REMAIN IN INSURANCE DRIVE

Applications for membership in the NACA Group Life Insurance Plan are coming in much too slowly to enable Langley to do its part in pushing NACA participation from the present 55 per cent to the required 75 per cent.

The Home Life Insurance Company predicated its waiver of the requirement of a physical examination during February and March on the stipulation that approximately 1,700 new enrollments would be received.

To date, all NACA activities have reported a total of 500 new members, including 70 at Langley. This Laboratory had hoped to enroll at least 500 during the waiver period, but is falling far short of that figure with only two

(Continued on page 3)

Air Scoop, March 9, 1956
Vol. 15, Issue 10

HOUBOLT WINS SERVICE AWARD

John C. Houbolt, assistant chief of the Dynamics Loads Division, has been selected to receive the Rockefeller Public Service Award given annually to outstanding career civilians in the Federal Government. Fifteen other career employees were named from several hundred applicants and nominees as recipients of the honor.

Each award is designed to enable the recipient to study at a college of his choice in this country or abroad, or to spend time in some comparable educational activity. The individual awards carry with them funds to a maximum of \$16,000 for varying periods, not exceeding one year.

Houbolt's award will permit him to undertake advanced study in the fields of aeroelasticity and aerothermodynamics. He will give special attention to the understanding of the behavior of aircraft structures under the adverse aerodynamic heating effects of supersonic flight.

Houbolt will carry on his project beginning next fall at the Swiss Federal Institute of Technology at Zurich, Switzerland, and plans also to visit leading aeronautical research organizations in Europe. By emphasizing the thermal aspects of aeroelastic problems, an area which now poses serious limitations on the structural design of aircraft, Houbolt expects to acquire experience which will be of benefit in helping to guide future high-speed research efforts at the Langley Laboratory.

A member of the Laboratory staff since June, 1942, Houbolt served in the Structures Research Division before his transfer to the Dynamic Loads Division in 1949.

Another staff member, Clinton E. Brown, chief of Theoretical Aerodynamics Division, won the award in 1954. He spent a year in advanced study in the field of fluid mechanics in technical schools in West Germany.

Other NACA employees who have won the award are Dr. Dorothy Si-

(Continued on page 4)

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Service Building, telephone 2376.

Editor.....Ruth Angel Verell

Staff Photographer.....Bill Taub

Reporters.....Langley Employees

The Air Scoop is printed by the Mechanical Reproduction Staff.

LIFE AT THE LABORATORY

Celebrating.

his birthday only every four years will be seven pound, eleven ounce Richard Douglas who arrived at the Clarence M. Cole household on February 29 - Leap Year Day. The proud father works in Instrument Construction and the mother, Pat, is formerly of Personnel Records.

Dan Cupid.

scored a victory when Jack Reid, Instrument Research Division, announced his engagement to Mary Williams, Hampton. Plans call for a June wedding.

Weighing in.

at seven pounds, ten ounces on Saturday, March 3 was Carol Ann, new daughter of Norma, formerly of Flight Research Computers, and Arty Assadourian, Flight Research.

Happy Birthday.

to Dr. William F. Durand, member of the first NACA Committee and former chairman of the main Committee, The "dean of American engineering" quietly observed his 97th birthday on Monday in Brooklyn, where he is now living in retirement. *March 5, 1956*

Diaper Line.

Celebrating the arrival of a son, Marc, on Thursday, February 16 is Edward Offenhartz, Gas Dynamics.

Making plans.

to change the Miss to Mrs. is Barbara Peach, Instrument Research Division. She is engaged to Tony R. Auby, Electric City, Washington, and the wedding will take place on June 9.

Night Howl.

Walking the floor nights is John F. Spurling, Flight Meteorology Section. He became the father of a daughter on Friday, March 2.

Another proud father.

who is passing out cigars and candy is C. James Gleason, 8-foot Transonic Tunnel. He became the father of a daughter on Sunday, March 4.

Singleton Club.

As a result of the enthusiasm shown at the last square dance, the Singleton Club is planning a Dungaree Ball with both round and square dancing on Saturday, March 24 at 9 p.m. at the Langley Boat House. Bill Lauten, Vibration and Flutter, will be on hand to call the square dances. Tickets are one dollar and will be available to members and their guests through representatives after March 12. Transportation to and from the dance may be arranged by calling Sue Koenig, Hampton 3-4274.

New Rocket.

Announcing the arrival of a new heiress on Saturday, March 13 is Elmer Goyette, Electrical Power Utilization Section.

FOR SALE: Button hole attachment for 49 head Kenmore sewing machine. Roberts, H-5300.

WANTED: Passengers to Miami, Fla. March 17 and returning March 25. Updegraff, 4413.

FOR SALE: 2 bedroom house near Langley - pay equity and assume loan. Weade, W-85083.

FOR SALE: Upright deep freeze. Brownie's Market, 606 E. Military Rd., Phoebus.

FOR RENT: 3½ room unfurnished apartment. Smith, H-34589.

WANTED: Passengers to Washington, Baltimore, Wilmington, or Norristown, Pa. on March 16 and returning March 18. L. Hauschild, 4459.

HIGHWAY ZOO



the Kangaroo

This is the jumpy jerk who drives by leaps and bounds—from one stop to another. At the first faint glint of green at a stop light — whoosh! He's off like a rocket! This bouncer, like the real kangaroo, sometimes carries his young with him. You and I know the kid in the pouch is safer!

VACANCIES OPEN AT LABORATORY

The Employment Officer announced this week that vacancies are open at the Laboratory for journeymen sheetmetal workers and machinists, WB-10.

Employees knowing of anyone interested in these positions are asked to contact the Employment Office, telephone 2272.

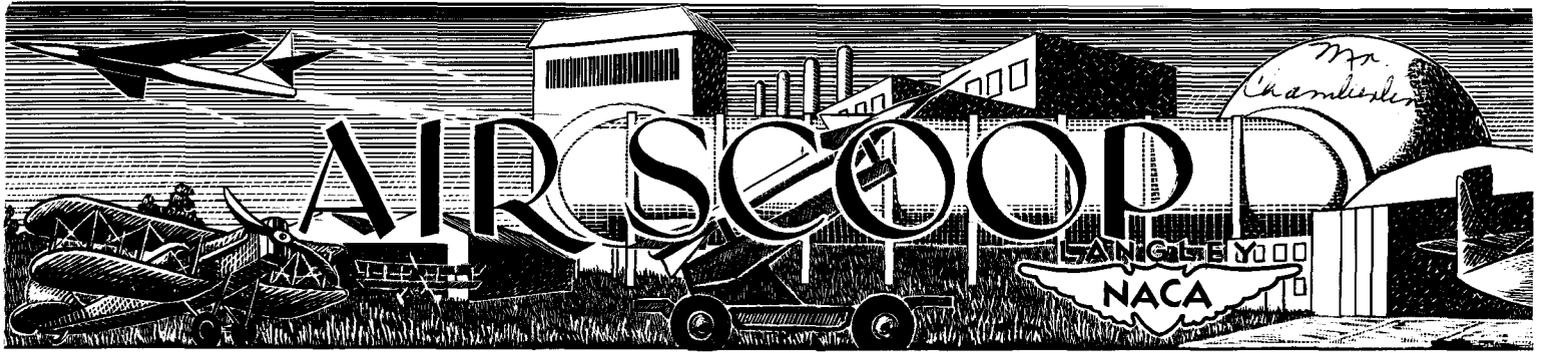
FOR RENT: Room for girl or working couple. Mrs. Winstead, 307 Hammond St., H-85607.

FOR SALE: Marine engine - Palmer YT-1, 2 hp, 4 cylinder, water cooled, including reverse gear - \$125. Colvin, NN-28587 after 5.

FOR SALE: Genuine baby-tender - \$17.50. Klawans, NN-43406.

FOR SALE: 1955 Studebaker Commander - will trade for older car. Murray, NN-21563.

FOR RENT: Room for gentleman. Mrs. E. B. Boswell, 265 James River Drive, W-82869.



\$5,375 DONATED TO RED CROSS

James C. Tingle, Chairman of the Laboratory's United Fund organization, announced that staff members pledged a total of \$5,375 to the Red Cross chapters in the Tidewater area.

The contributions were taken from the \$35,682.10 donated by staff members during the Laboratory's second United Fund drive last October.

This year's contributions were \$947 more than the \$4,428 donated to the Red Cross chapters during the previous campaign.

Nine different chapters benefitted from the Laboratory's United Fund drive. The amounts pledged to the various Red Cross organizations were as follows: Hampton - \$4,275; Newport News-Warwick - \$834; York County - \$213; Portsmouth - \$8; Mathews County - \$7; Gloucester County - \$21; Nansemond County - \$3; Middlesex County - \$5, and Smithfield - \$9.

TICKETS AVAILABLE TO CHILDREN'S PLAY

Merle Ott, Chairman of the Children's Committee, announced last week that the Activities Association will present the famous Mae Desmond Children's Theatre in their newest and most exciting production of "Kit Carson and the Indians". The play will be presented on Saturday, April 21 at 2:30 p.m. in the Activities Building.

"Kit Carson and the Indians" is based on a famous historical event - the conquest of the American west. It tells the story of Kit Carson, the most daring of all the great wilderness scouts, and Blackhawk, the fiery young Indian Prince of the Blackfoot Nation.

"Kit Carson and the Indians" is an original three-act play by Richard Fielder and it features William Fielder as Kit Carson.

(Continued on page 2)

Air Scoop, March 16, 1956
Vol. 15, Issue 11

LIFE INSURANCE REPRESENTATIVES WILL VISIT HERE

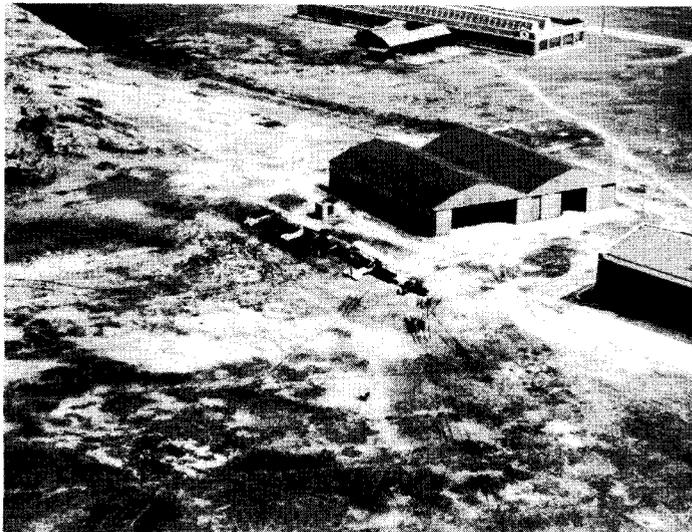
James Hart and John Packal, representatives of the Home Life Insurance Company of New York, will visit the Laboratory during the week beginning March 26 to assist in Langley's efforts to increase membership in the NACA Group Life Insurance Plan.

Dr. H. J. E. Reid, Director, has announced that he will request non-participants to attend one of a series of group meetings to be scheduled during the week the Home Life representatives will visit the Laboratory.

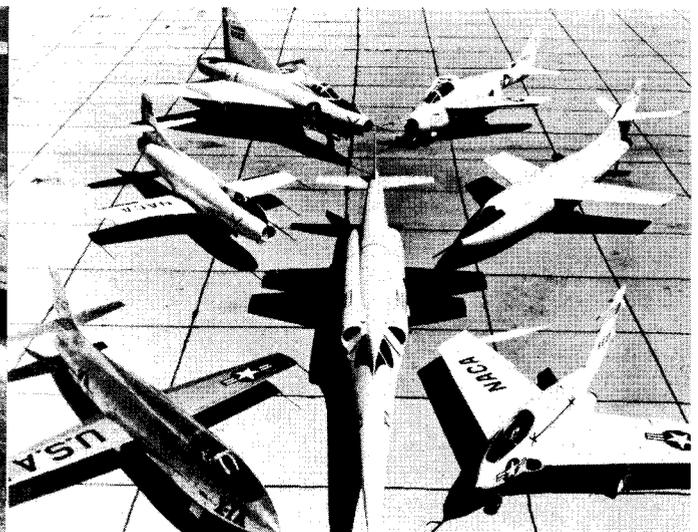
Some of the advantages of the NACA group plan, the favorable claims experience enjoyed under the program, the low cost of the protection, and future dividend prospects will be among the subjects discussed at the group meetings.

(Continued on page 3)

YESTERDAY AND TODAY



The great progress that has been made in aeronautical research during the past 32 years is well exemplified by the two photographs representing "Yesterday and Today". The photo on the left was taken in March, 1924, when the NACA was only nine years old. The research airplanes lined up beside the "new" hangar



are (from top to bottom): Curtiss Jenny, Sperry Messenger, French Spad, Douglas Observation Airplane, and the German Fokker. Shown in the photo on the right are some of the present day NACA research airplanes. They are (from left): X-1A, D-558-I, XF-92A, X-3 (center), X-5, D-558-II, and X-4.

LANGLEY AERONAUTICAL LABORATORY

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Editor.....Ruth Angel Verell

Staff Photographer.....Bill Taub

Reporters.....Langley Employees

The Air Scoop is printed by the Mechanical Reproduction Staff.

LIFE AT THE LABORATORY

During his travels.

the stork stopped by the Carl Roberts household on Monday, March 12 and delivered a seven pound, one ounce daughter. The proud father works in Instrument Research Division.

The pay day.

game night, sponsored by the Activities Association, will be held on Thursday, March 22 at 8 p.m. at the Activities Building.

Making plans.

to take a nose-dive into the sea of matrimony is Cabot Hayes Williams, Electronic Instrument Construction Section. He is engaged to Joyce Ann Belvin, Gloucester County, and wedding bells will ring sometime in June.

Sick Bay.

The following employees are receiving treatment in various hospitals: Wallace Dansey, Gas Dynamics Branch, in the University of Virginia Hospital; Jack Edwards, West Fabrication Shop, in Kecoughtan Veterans Administration; and Bruce Amole, Personnel Division, in Norfolk General Hospital.

Visiting the Laboratory.

recently from Headquarters were the following: Jack Brewer, John W. Crowley, Ralph W. May Jr., Richard H. Raring, and Richard V. Rhode. Representing the Ames Laboratory was Donovan R. Heinle.

GRADUATE STUDY LEAVE LICENSE TAGS

Employees desiring graduate study leave for the 1956-57 session and who have not submitted NACA Graduate Study Leave Application forms, are urged to contact the Training Office, telephone 2256, as soon as possible.

FOUND: Watch in Activities Building. Ruth Martin, 4508.

WANTED: Ride from Eaton St. and Pembroke or Queen St. to W.A. on 8 shift. Plott, 4540.

FOR SALE: 100' by 200' lot on Cedar Lane. Patterson, H-36002.

FOR RENT: Room and board - private bath. Bryant, 219 E. Kelly St., Phoebus, H-34318.

WANTED: Ride or driving combination from Cherry Acres to W.A. on 7:30 shift. White, 4681.

FOR SALE: German Shepherd puppies, AKC registered - \$50. Slater, Hampton 3-4935.

FOR SALE: Wringer type washing machine - best offer, kitchen table and 2 chairs. Fitzgerald, H-38273.

Virginia state and city auto tags will be sold at the Amoco Service Station, Phoebus, from March 15 to April 16. The office will be open daily from 8 a.m. until 6 p.m. Plenty of parking space will be available.

FOR SALE: Kenmore automatic ironer - \$65; 550-17 tire - \$8, and Singer vacuum cleaner - \$10. Rose, Warwick 8-4720.

FOR SALE: Rose upholstered platform rocker - \$15. Alexander, Hampton 6448.

FOR SALE: Upright piano, recently rebuilt - \$65. Clarke, Poquoson - 6034.

FOR SALE: Wood frame bronze wire window screens. Tubbs, Hampton 6193.

I add this also, that natural ability without education has oftener raised man to glory and virtue, than education without natural ability. --Cicero

Send your noble blood to market and see what it will bring. -Fuller

HIGHWAY ZOO



the Wolf

This is the prowler, the rogue of the road, the cruising Casanova. He may be middle-aged, bald and a little winded. But he's giving every babe the eye, regardless. If he'd react to a stop light like he does to a doll, he'd be a dream driver instead of a traffic nightmare.

CHILDREN'S PLAY

(Continued from page 1)

Other members of the cast are as follows: Maria Josefa, the sweet young girl Kit plans to marry is played by Adele Rocco; Annie Bent, a rough-and-ready frontierswoman with a grudge against thieves and cheats, is played by Mae Desmond; Blackhawk, the fiery young Indian prince, is portrayed by Richard Fielder; Chief White Cloud, Blackhawk's beloved father, is played by George Callahan, and Frank Fielder appears as Jason Bancroft, a slippery, giggling little man whose evil plans endanger the Old Fort.

Tickets for "Kit Carson and the Indians" may be purchased from the District Representatives for 35 cents for children and 50 cents for adults.

FOR SALE: 20-inch window fan, mahogany drop leaf table and 5 chairs, maple double bed with spring and mattress, G.E. electric range, 2 end tables, coffee table, complete fireplace accessories, matching rugs and pads. Barber, W-80733.

BOWLING NEWS

MONDAY DUCKPIN LEAGUE

East Machine I continues on their winning streak to lead the league with 48 wins and 21 losses. Stores Branch trail in second with 39 wins and 30 losses. Battling for the number three spot are East Machine II, Structures, and West Model I with 37 wins and 32 losses each. Top bowlers for the week were Herb Cunningham with a 143 game, Jimmy Link with a 358 set, Helen Dupere with a 119 game and Vera Huckel with a 291 set.

STANDINGS

Team	W	L	Avg.
East Machine I	48	21	.696
Stores Branch	39	30	.565
Structures	37	32	.536
East Machine II	37	32	.536
West Model I	37	32	.536
Vibrators	35	34	.507
Bald Iggles	35	34	.507
West Machine 3	32	37	.464
Ribs	30	39	.435
Fabrication	15	54	.217

MONDAY SPORTS BOWL LEAGUE

Scotch and Tapers lost all 3 games but remain in first place with 41 wins and 19 losses. Free Flight Fliers had a bye and continue in second place with 37 wins and 20 losses. Earl Gerringer was top scorer for the men with a 133 game and 336 set. Leading the women were Joan Rashis with a 135 game and Margaret Strickland with a 319 set.

STANDINGS

Team	W	L	Avg.
Scotch and Tapers	41	19	.683
Free Flight	37	20	.649
Flight	38	25	.603
Gas Dynamics I	31	32	.492
Tank	24	36	.400
Gas Dynamics II	23	37	.383
Loads	18	45	.286

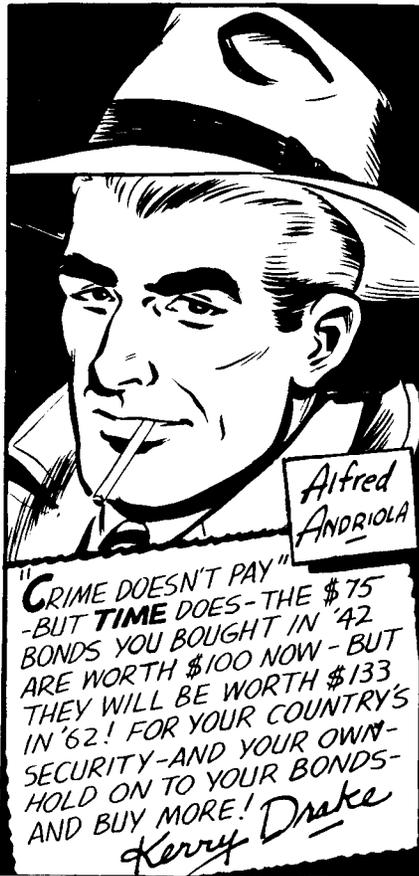
WEDNESDAY DUCKPIN LEAGUE

I.A.B. won all three games to continue in first place with 44 wins and 25 losses and Hotshots lost all three games to trail in second with 41 wins and 28 losses. West Model 2 and Rebel Bombers continue to battle for fourth place with 36 wins and 33 losses each. High scores of the week were rolled by Bill Carmines with a 142 game, Harold Crane with a 353 set, and Ann Wisecarver with a 110 game and 292 set.

STANDINGS

Team	W	L	Avg.
I.A.B.	44	25	.638
Hotshots	41	28	.594
16-Foot	38	31	.551
West Model 2	36	33	.523
Rebel Bombers	36	33	.523
West Machine 2	34	35	.493
Tankers 2	27	42	.391
Const. Eng.	20	49	.290

-Buy U.S. Savings Bonds-



Accidents are costly - so little to gain - so much to lose.

Worry and personal financial security never go down the same road of life. Insure yourself against future worries by buying U.S. Savings Bonds this month and every month in years to come.

True merit, like a river, the deeper it is, the less noise it makes. --Lord Halifax

The reputation of man is like his shadow, - gigantic when it precedes him, and pygmy in its proportions when it follows. --Talleyrand

TENPIN LEAGUE

Flight continues to lead the league by only a one game margin but Spare Oops are still in the race for first place. Leo Johnson took high bowling honors for the week with a 245 game and 662 set. Lucille Blanco was tops for the women with a 213 game and 566 set.

STANDINGS

Team	W	L	Avg.
Flight	49	26	.653
Spare Oops	48	27	.640
Hornets	42	33	.560
West End	40	35	.533
Fivers	37	38	.473
Pinbusters	32	43	.427
Rockets	30	45	.400
Fiscal Wrecks	21	54	.280

INSURANCE DRIVE

(Continued from page 1)

The visit of the Home Life representatives will mark the final week of the current campaign to encourage non-participants to join the plan. During February and March, Home Life is waiving the requirement of a physical examination for membership in the plan if the number of new members is sufficient to raise the total NACA enrollment to 75 per cent.

Although the drive at Langley has lagged behind expectations, it is hoped to enroll at least 500 new members before the completion of the drive at the end of this month. To date, 77 new applications have been received at Langley.

On Page 4 of this issue of Air Scoop, there is reproduced a memorandum to all NACA employees from Dr. H. L. Dryden, NACA Director, citing some of the advantages of the NACA group plan and encouraging staff members to participate in the program.

Insurance booklets, referred to in the last paragraph of Dr. Dryden's memorandum, have already been distributed to non-members at Langley. However, any one desiring a booklet or additional information about the NACA group plan may call the Personnel Office, telephone 2272.

ADULT EDUCATION

The Adult Education Department at Hampton High School announces that a beginning class in shorthand will start Monday night, March 19. The 40-hour course will meet on Mondays and Thursdays from 7 to 9 p.m. Mrs. Walter B. Horne will instruct the group.

Also scheduled to start on Monday are two new groups in typing. These classes will be taught by Eloise McGehee and Helen Shaw.

The interior decorating group will meet on Monday and Mrs. James Kirkpatrick will instruct the 20-hour course.

The art group will have its first meeting on Thursday, March 22. This 24-hour course will be taught by Clinton M. Smith.

Persons interested in these courses may register on Monday evening at the main entrance to the high school.

WANTED: Ride from Pine Chapel Village to W.A. on 8 shift. Mary Sansone, 4454.

WANTED: Ride from Southampton to E.A. on 8 shift. Lois Klinefelter, 2322.

LANGLEY LAB IN RETROSPECT

Remember ten years ago when the fad among engineers was the fizz-water automobile club. The rules and regulations stated that the "standard" racing model must weigh at least $2\frac{1}{2}$ ounces with cartridge, must have four wheels that contact the ground and were the only possible support for the model during a run, and must use only one cartridge. The record set by the "Standard" model was 48 miles per hour. In the "unlimited" class, which required that the car have at least one wheel as the only support on a run, the record was 102 miles per hour.

Noting that Dr. William F. Durand observed his 97th birthday last week brings to mind an article that appeared in the March 12, 1948 issue of Air Scoop stating that Dr. Durand had received the Medal of Merit from General Carl Spaatz at ceremonies held at the Ames Laboratory.

Dr. Durand received the award in recognition of his services during the war to the United States as a member of the NACA.

General Spaatz made the award in behalf of former President Truman. He stated, "In honoring Dr. Durand, we also honor the many scientists who have contributed much to the freedom of the United States."

Following the presentation of the Medal of Merit, Dr. Durand described how he was in on the early development stages of jet propulsion, adding that jet propulsion has won a "definite and assured" place in aeronautical engineering.

In closing Dr. Durand stated, "For people my age there are only memories and none of my memories rank higher than my years with NACA. Long may it live and serve our country as effectively in the future as it has in the past."

It was eleven years ago that Tommy King, who recently completed fifteen years of service with the Committee, visited the Laboratory after spending three months in the Norfolk Marine Hospital after suffering near-fatal injuries while at work in the Model Shop. Tommy was enroute to his home in Washington for a two-month rest before returning to the Laboratory.

FOR SALE: 100' by 180' lot in Riverside. Heldenfels, W-80654.

WANTED: Ride or driving combination from Merrimac Shores, Southampton or La Salle to Administration Building on 8 shift. Alma Alexander, 2242.

MEMORANDUM FOR NACA EMPLOYEES

Subject: Open enrollment opportunity for NACA-Home Life group life insurance

1. As part of the NACA's continuing efforts to improve the welfare of its personnel, a group life insurance plan was negotiated under authority of law several years ago. This plan, underwritten by the Home Life Insurance Company of New York, provides group life insurance for NACA employees at a very reasonable cost. All full-time employees, serving under other than temporary limited appointments, are eligible to join the plan.
2. Our favorable experience to date under the NACA-Home Life plan shows more insurance protection per dollar of cost than under comparable group insurance plans offered elsewhere. During the past policy year, for example, the net cost of insurance after distribution of dividends was about \$0.32 a month (\$3.84 a year) for each \$1000 of insurance carried. At present, more than 4,000 NACA employees are protected under the NACA-Home Life plan, with the total amount of insurance in force exceeding \$22,000,000.
3. In response to requests by many employees for another open enrollment opportunity, the Home Life Insurance Company has agreed to suspend, during the period from February 1 to March 31, 1956, the medical examination requirement for currently uninsured eligible employees, provided a sufficient number of applications are received to raise the total NACA participation from the present 55% to at least 75% of the eligible employees. Approximately 1,700 new enrollments are necessary to meet this quota. The insurance of employees applying during this period will be effective April 1, 1956 if a sufficient number enroll.
4. The primary purpose of this 'medical waiver' enrollment plan is to give employees who may not have been fully informed of or understood the plan when first eligible an opportunity to enroll NOW regardless of age, physical condition, or other factors.
5. This will be the LAST opportunity for uninsured eligible employees to apply for this low-cost insurance without having to meet medical examination and other requirements. Those eligible are urged in their own interest to consider this opportunity seriously and to act promptly.
6. The attached booklet contains general information about the NACA-Home Life group plan. Your Personnel Office can provide more detailed information, or you may consult a local chapter officer of the NACA Employees Benefit Association.

Hugh L. Dryden

Hugh L. Dryden
Director

NOTICE: Girls interested in playing softball in the Hampton Women's League please call Charles "Red" Parker, Hampton 3-7190.

FOR SALE: "Advanced Engineering Mathematics" by Wylie and "Introduction to Atomic and Nuclear Physics" by Semat. Training Office, 2256.

WANTED: Ride or driving combination from Merrimac Shores, Southampton or La Salle to Administration Building on 8 shift. Lucy Bainbridge, 2221.

FOR RENT: Furnished room in Buckroe. Mrs. White, 401 Buckroe Ave., Hampton 6234.

FOR SALE: 1950 Chevrolet - 4 door with powerglide - \$450. Howell, NN-26351.

ARCHERY CLUB

The NACA Archery Club will meet on Tuesday, March 20 at 8 p.m. at the NACA Rifle Range. All members are urged to attend.

FOR SALE: 4 Wilson woods - \$45. Pollard, H-5347.

WANTED: Ride from Wythe to E.A. on 8 shift. Vivian Whelan, 2211.

FOR SALE: 1951 Peerless 35-foot trailer with 25-foot aluminum awning - located at Archie's trailer court. Warren, W-61494.

FOR SALE: 1955 Studebaker Commander - will trade for older car or \$200 equity and assume payments. Murray, NN-21563.

WANTED: Ride from Hiland Park to W.A. on 7:30 shift. Heidler, 4611.



NACA PRAISED IN CONGRESS

In recent discussions in the House of Representatives, prior to the approval of an NACA request for authority to construct certain research facilities, several Congressmen took the occasion to compliment the Langley Laboratory and other NACA research centers for their contributions in the field of aeronautics. The following highlights of the proceedings were excerpted from the Congressional Record:

Representative Carl T. Durham of North Carolina:

"...We have felt for many years that this agency is one of the most important, although not the largest agency of the Government; but it does the finest research work of any agency in the world. Its primary function is research in connection with all of our missiles and airplanes in connection with our national defense security and commercial aviation."

Representative Dewey Short of Missouri:

"I think the Members of the House should bear in mind that the NACA is an independent agency set up separately from the armed services 40 years ago. Most of its work has been in pure science and to some extent applied science. When war came finally all the money that we had invested in this agency to explore aerodynamics and problems connected with it paid off in rich dividends. Without its research we could never have built up a mighty Air Force..."

Representative Paul Cunningham of Iowa:

"...It was just 10 years ago that we were asked to appropriate millions of dollars for the design and construction of a whole new complex of very large transonic and supersonic wind tunnels. The NACA people were very careful, in their request, to say there could be no guaranty that the returns in improved aircraft performance would quickly justify the great expense involved. But they were able to convince the Members of Congress that there was real need for the new wind tunnels, if we were to con-

(Continued on page 4)

SEEK WORKERS FOR CARNIVAL

Plans for the Activities Association's annual carnival were discussed at a recent meeting of the Executive Board and the following motion was made: "Because of present difficulties in securing personnel for the planning and execution of the annual carnival, that the carnival not be held this year."

Action on the motion was tabled pending publication of the motion in Air Scoop and a study of the results of such publication.

David M. Goldenbaum, president, informed the board that he has tried for months to staff the various committees necessary for the planning and execution of the annual carnival with little success. Employees who have agreed to serve on the committees have later found it necessary to resign

(Continued on page 3)

Air Scoop, March 23, 1956
Vol. 15, Issue 12

ONE WEEK REMAINS IN INSURANCE DRIVE

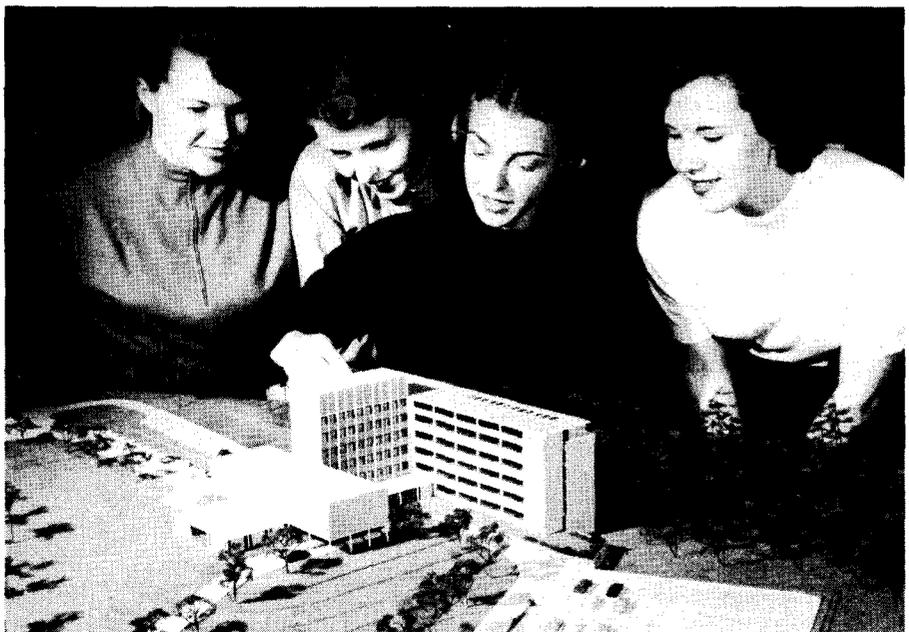
Non-participants in the NACA Group Life Insurance Plan have only one more week to enroll in the program without having to submit to a physical examination.

James Hart and John Packal, representatives of the Home Life Insurance Company of New York, will visit the Laboratory next week to discuss the program with non-participants at a series of group meetings.

Meetings will be held in the Projection Room of the Administration Building and in the Auditorium of the 7 by 10-foot Wind Tunnels Building. Supervisors will be notified as to the specific time and date for the attendance of the non-members from their activity.

The meeting will close a two-month campaign during which the insurance company waived the require-

(Continued on page 2)



More than 1,000 Laboratory employees viewed the model of the proposed new Dixie Hospital while it was being exhibited recently in the NACA's East and West Area Cafeterias. Dr. H. J. E. Reid, Director, is chairman of general solicitations for the hospital fund drive in the local community. Shown inspecting the model are (from left): Mary Alice Regier, Dorothy Barnes, Nancy Johnson, and Anna Plott. --Photo by Bill Taub

LANGLEY AERONAUTICAL LABORATORY

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Service Building, telephone 2376.

Editor.....Ruth Angel Verell

Staff Photographer.....Bill Taub

Reporters.....Langley Employees

The Air Scoop is printed by the Mechanical Reproduction Staff.

LIFE AT THE LABORATORY

Weighing in.

at eight pounds and one ounce was a new son who arrived at the Robert Krieger household on Thursday, March 15. The proud father works in Pilotless Aircraft Research Division.

Word has been received.

at the Laboratory that Glenna Martin, Administrative Services, became the mother of a nine pound, four ounce son, James Chandler, on Wednesday, March 14.

Dan Cupid.

scored a victory when Thomas Elton Marney, Structures Research, announced his engagement to Carolyn Faye Warthan, Hampton. The wedding will take place on June 10 at the Central Methodist Church, Hampton.

Sick Bay.

Recuperating at the Mary Immaculate Hospital and wanting some company is Jean Gilman, Dynamics Section.

Diaper Lines.

Passing out cigars and candy is Frank Clark, 9-Inch Supersonic Tunnel. He became the father of a son on Wednesday, March 14.

Singleton Club.

Put on your dungarees, peddle pushers, or bermuda shorts and come out to the big Dungaree Ball which will be sponsored by the Singleton Club tomorrow night at 9 o'clock at the Langley Boat House. Tickets are one dollar and are available through representatives for members and their guests. Both round and square dancing will be included on the agenda. Transportation to and from the dance may be arranged by calling Sue Koenig, Hampton 3-4274.

Wedding bells.

rang on December 19 when Patricia Lucido, Technical Illustrators, took her final vows with Clarence Gene Stevens in New Jersey.

Announcing.

the arrival of a daughter on Sunday, March 18 are Betty, formerly of Stenographic Section, and Kenneth Spreemann, 7 by 10-foot Wind Tunnels.

Congratulations.

to Rebecca Akin, Gas Dynamics Branch, upon being selected by the Junior Woman's Club of Hampton as its outstanding new member of the year.

Langley Yacht Club.

Members of the Langley Yacht Club are reminded that the March meeting will be held next Tuesday at the Langley Boat House. All persons interested in becoming members or who wish to visit a meeting of the club are invited.

WANTED: Passengers to N.Y. or Conn. March 29. Falanga, H-7336.

WANTED: Passengers to N.Y. March 30 and returning April 2. Leybold, 4459.

WANTED: Alternate driver from Stuart Gardens to E.A. on 8 shift. Cardwell, 2292.

WANTED: Ride or driving combination from Briarfield Rd. to W.A. on 8 shift. Byers, 4420.

LOST: Brown leather shaving kit with initials "FRM" in gold. Murray, 4469.

FOR SALE: Frigidaire and Magic Chef gas range. Maloney, H-7331.

FOR SALE: Fordham home. Geier, H-33071.

FOR SALE: 14.7 cubic foot upright Coldspot freezer - \$300. Byers, 64 Freeman Dr.



Dr. John E. Duberg, Chief of Structures Research, will address the Peninsula Sub-section of the A.S.M.E. on Tuesday, March 27.

DR. DUBERG TO ADDRESS LOCAL A.S.M.E. GROUP

Dr. John E. Duberg, Chief of Structures Research Division, will address a meeting of the Peninsula Sub-section of the American Society of Mechanical Engineers at 8 p.m. on Tuesday, March 27 at the Apprentice School Auditorium of the Newport News Shipbuilding and Dry Dock Company. His subject will be "High Temperature Structures".

Dr. Duberg graduated from Manhattan College with a Bachelor of Science Degree. He received a Master's Degree from Virginia Polytechnic Institute and a Doctor of Engineering Degree from the University of Illinois. In 1946 and 1947 he was Assistant Chief Research Engineer for Standard Oil Company of Indiana.

Dr. Duberg recently addressed the Aviation Division Conference of the A.S.M.E. at Los Angeles.

All persons interested are invited to attend.

INSURANCE DRIVE

(Continued from page 1)

ment of a physical examination for membership in the plan, if the number of new enrollees is sufficient to increase total NACA membership from 55 per cent to 75 per cent.

It is hoped to enroll at least 500 new members before the completion of the drive at the end of next week. To date, 103 new applications have been received at Langley.

WANTED: Passengers to Pittsburgh March 30. Palko, H-37303.

FOR SALE: Semi-bungalow house in Southampton. Lange, H-4895.

BOWLING NEWS

IRD-PARD BOWLING LEAGUE

Terrorpins took over first place this week with 12 wins and 3 losses and New Leafers moved to second with 11 wins and 4 losses. Top scores were bowled by Wade Cason with a 119 game, Lem Forrest with a 329 set and Marge Zender with a 114 game and 322 set.

STANDINGS

Team	W	L	Avg.
Terrorpins	12	3	.800
New Leafers	11	4	.733
Hi-g's	13	5	.722
Skyhooks	10	8	.555
Jets	8	7	.533
Nicki-Hokeys	6	9	.400
Pinhookers	6	9	.400
RALPH	6	12	.333

TENPIN LEAGUE

Flight chalked up three more wins to lead the league with 52 wins and 26 losses. Guy Thibodaux was top bowler for the night with a 235 game and 594 set. Edith Moen led the women with a 195 game and 536 set.

STANDINGS

Team	W	L	Avg.
Flight	52	26	.667
Spare Oops	49	29	.628
Hornets	45	33	.577
West End	42	36	.538
Fivers	40	38	.513
Pinbusters	32	46	.410
Rockets	30	48	.385
Fiscal Wrecks	21	57	.269

MONDAY SPORTS BOWL LEAGUE

Scotch and Tapers continue in first place with 44 wins and 19 losses. Free Flight still trails in second with 39 wins and 21 losses. Top scores for the week were rolled by Bill Letko with a 146 game, Joe Block with a 343 set, Becky Akin with a 96 game and Gay Gilbert with a 276 set.

STANDINGS

Team	W	L	Avg.
Scotch and Tapers	44	19	.698
Free Flight	39	21	.650
Flight	41	25	.621
Gas Dynamics I	31	32	.492
Tank	24	39	.381
Gas Dynamics II	23	40	.365
Loads	19	47	.288

FOR SALE: 15-foot metal boat with 5 hp motor, anchor, oar, gas can and barrel - \$135. Johnson, Hampton 3-4841 after 5 p.m.

FOR SALE: 17-inch Motorola TV - 1954 model - UHF. Wright, H-6959.

FOR SALE: Pair Bushnell binoculars with 8 by 30 center focus. Henderson, W-83334.

FOR SALE: 35 gallon stainless steel aquarium with accessories. Reiser, Seaford 2321.



BASKETBALL NEWS

Regular play in the Basketball League ended last week with West Machine winning the league championship with a perfect record of 14 wins. Hawks were second with 11 wins and 3 losses and IRD and West Fabrication ended up in the third and fourth spots, respectively. In the opening round of playoffs Hawks defeated IRD and West Machine won over West Fabrication.

FINAL STANDINGS

Team	W	L	Avg.
West Machine	14	0	1.000
Hawks	11	3	.786
IRD	9	5	.643
West Fabrication	8	6	.571
Structures	6	8	.429
Spin Tunnel	5	9	.357
Co-ops	3	11	.214
E.I.C.S	1	13	.071

CREDIT UNION NOTICE

The question has sometimes been asked as to who is eligible for membership in the LMAL Credit Union. The by-laws under which the organization operates provide that employees of the NACA, retired employees who were members at the time of retirement, civilian employees of the Air Force, and members of employees' families may belong to the Credit Union. Personnel of the Air National Guard who are on duty at Langley are not eligible because they are not civilian employees.

When a member terminates his employment, he must withdraw from the Credit Union by the first of February of the year following his resignation. Thus, there may be a grace period of one to thirteen months before withdrawal must be made. However, any outstanding loans must be paid immediately.

FOR SALE: 1949 Mercury - \$225. Pridgen, NN-20959.

FOR RENT: Room for gentleman. Mrs. Cross, NN-71886.

COURSES OFFERED BY STAFF MEMBERS

The University of Virginia Extension Center at Newport News High School announced that courses will start immediately in wood-working and machine shop. The classes will meet on Mondays and Thursdays from 7 to 10 p.m.

Persons interested are asked to contact the Training Office, 2256.

The George Washington University Residence Center at Langley Air Force Base announced that the following courses will be offered during the spring semester:

Monday and Thursday - English Composition II and College Trigonometry.

Monday and Wednesday - Applied Psychology.

Tuesday and Thursday - Commercial Law and Business Administration.

Classes will start on April 2 and 3 and end May 21 and 22. Classes will meet from 6:30 to 9:20 p.m.

Laboratory employees interested in taking any of these courses may register at the Education Services Building T-200 or call Langley extension 8120.

SEEK WORKERS

(Continued from page 1)

because of the pressure of other duties or for other reasons.

Goldenbaum pointed out that it is generally understood among board members that everyone enjoys the carnival and wants to attend it and that a great many are willing to staff the booths during the two days of the carnival. The immediate problem, however, is the staffing of the organizing and planning committees for the various branches of the carnival such as overall planning, children's section, midway construction and operation and others.

These committees, if started now, could expect to put in not less than 2 or 3 hours per week on their various committee assignments.

In previous years board members headed the various committees. Goldenbaum stated that the entire board cannot participate to the same extent this year because of the pressure of other duties.

Laboratory employees who can and will take the necessary jobs should contact Goldenbaum immediately at 2393.

FOR SALE: 66' by 135' lot on South Greenfield Ave. Berryman, NN-28338.

FOR SALE: 1953 Mark 15 Mercury outboard motor - \$165. Forrest, H-6494.

CONGRESSMEN PRAISE RESEARCH ACCOMPLISHMENTS OF LABORATORIES

(Continued from page 1)

time to hold our position of world leadership in aeronautics.

"It was almost exactly a year ago, that the Congress was told of the dramatic improvement in performance of the Convair F-102 as a result of work accomplished in the new wind tunnels. Late last year, further details about this major breakthrough in aeronautics were made public. An area rule, developed by a young aeronautical research scientist at the NACA's Langley Aeronautical Laboratory, was what made it possible. The area rule gave us airplanes that would fly faster, or farther, without increase in power.

"In the disclosure, it was said that (Richard T.) Whitcomb's work was performed in one of the new transonic wind tunnels - and that for technical reasons, except for this new piece of research equipment, the area rule might not have been possible...

"On the basis of past performance, I say that we must listen carefully to what the NACA scientists say they need. On the basis of past performance, I say we can expect they will use their new research tools to provide an immensely valuable service to aeronautics and the welfare of the Nation...."

Representative Clyde Doyle of California:

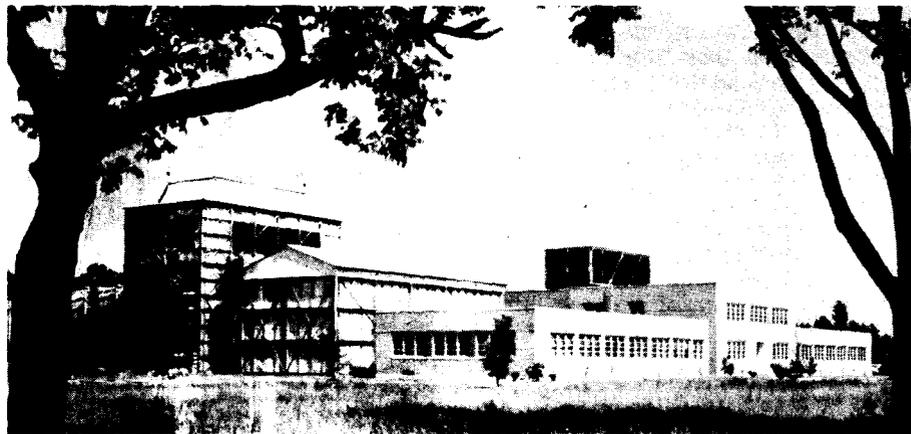
"...One of the major research centers of the NACA is located at the edge of the municipal airport at Cleveland. As its name, the Lewis Flight Propulsion Laboratory, implies, its scientists and engineers concentrate upon powerplant problems...

"In the past decade or so much good work has been done at the Lewis Laboratory, especially in the field of turbojet engines. The results of this work is reflected in the powerplants which are in the new supersonic fighters and new near-supersonic bombers which the aircraft industry is building today...."

Representative Leroy Johnson of California:

"...As all of you will remember, the Germans started the war in 1914 and in 1915 the NACA started its drive to develop proper airplanes. Flying was then in its infancy...The eager-beaver man in this project was, and is, John Victory. I think he has been with the organization almost since its inception. He is the one that master-minded some of the things the Agency was doing and proposing."

Representative C.A. Vanik, Ohio:
"....The Lewis Flight Propulsion Laboratory is an institution



The bill referred to on this page includes a request for authorization for NACA construction totalling \$15,444,000, including \$947,000 for modernization of 7 by 10-foot Wind Tunnels (above).

of which Cleveland is justifiably proud. Our citizens have great satisfaction in the achievements of the laboratory and its great contribution to the national defense and to aeronautical progress. The developments of the Laboratory have been useful not only to the Nation and to industry but to the entire economy as well...."

Representative George P. Miller of California:

"...At the Ames Laboratory, the mission is to solve high-speed aerodynamic problems - and solve them as they are doing. In many ways the scientists and engineers at the Ames Laboratory are contributing importantly to the improvement of our airplanes...

"I want to take this opportunity to encourage the Members of the House to accept invitations that are extended to you by the NACA to visit their laboratories... If you go I know that you will come away struck by the fine work that is being done by dedicated men. The scientists, engineers, and technicians at those laboratories are for the most part young men who have devoted their lives to their jobs. You will come away filled with reassurance that these men are doing their all to keep this country in the forefront of the race for air supremacy."

Representative Paul F. Schenck of Ohio:

"Mr. Chairman, it would be impossible to overemphasize the importance of research, not only in the field of aviation but in all other lines of endeavor. America owes much of its great development to the ability and work of our scientific research people and to their everlasting search for new products and new methods. I would like to add my personal commendation to the great chair-

man of this subcommittee, the distinguished gentleman from North Carolina (Mr. Durham) for bringing in this legislation. It should be approved unanimously, and we should encourage research in all lines of endeavor."

Representative Edward P. Boland of Massachusetts:

"Mr. Chairman, I join in commending the Committee on Armed Services for bringing this report to the floor today...It is particularly significant that this report comes to the floor within a few days short of the 41st anniversary of this agency. The NACA was established by an act of Congress, approved March 3, 1915. During its 41 years, it has been one of the most effective agencies of our Government in aeronautics research. Many great problems and mysteries of flying have been solved by dedicated men in the NACA...

"...It is always a pleasure to have the officials of this agency appear before our committees in justification of its expenditures. No one who listens to the testimony could but be impressed with the great and significant part the NACA plays in the field of aerodynamics.

"...I take particular pride in the fact that Mr. Whitcomb, the recipient of the Collier trophy, is a native of Massachusetts. If this Nation is to maintain its position in the field of aerodynamics, it is absolutely essential that we give the NACA the implements and the tools with which to continue its vast research and experimentation. The bill before us today authorizes additional construction for equipment in three of the great laboratories in which the NACA does much of its research. The money which will be expended for these improvements is small indeed compared to the benefits that will accrue."



CHILDREN'S PLAY SET FOR TOMORROW

Merle Ott, Chairman of the Children's Committee, announced that a few tickets are still available to "Kit Carson and the Indians" which will be presented by the Mae Desmond Children's Theatre tomorrow afternoon at 2:30 in the Activities Building.

The play is being sponsored by the Activities Association for the entertainment of children of Laboratory employees.

Tickets are 35 cents for children and 50 cents for adults. They may be purchased from the district representatives. Bleachers will be erected for the performance so plenty of seats will be available for all.

"Kit Carson and the Indians" is based on the conquest of the American west. It tells the story of Kit Carson, the most daring of all the great wilderness scouts, and Blackhawk, the fiery young Indian Prince of the Blackfoot Nation.

PRIMARY ELECTION SCHEDULED FRIDAY

The primary election for district representatives to the General Assembly of the Activities Association will be held on Friday, April 27.

Each employee may vote for one candidate from his district. In the larger districts where two representatives are to be elected, employees will vote for two candidates, etc. Ballots shall be placed in sealed ballot boxes and each employee shall sign a register upon casting his ballot. There shall be no voting by proxy and persons on leave lose their opportunity to vote.

Each district may place up to three candidates on the final election ballot for each representative to which the district is entitled. These candidates will be the representatives receiving the greatest number of votes in the primary

(Continued on page 4)

Air Scoop, April 20, 1956
Vol. 15, Issue 16

MORRIS AND REID RECEIVE EMBLEMS

In ceremonies held Monday, Howard H. Morris, Engineering Planning Officer, and Dr. H. J. E. Reid, Director, became the Laboratory's fourth and fifth employees, respectively, to receive the 35-year service emblem. The pins were presented by Dr. John F. Victory, Executive Secretary of the NACA.

Other staff members who have received the diamond-studded 35-year service emblem are: Robert E. Mixson, Chief of the General Service Division, the oldest Laboratory employee in point of service; Benjamin G. Bennett, Instrument Research Division, who ranks second in length of service, and Percy R. Keffer, Head of the Model Shops, who is the third oldest employee in point of service.

A native of Port Gibson, Mississippi, Morris joined the NACA as a toolmaker and instrument maker in the Instrument Shop on April 6, 1921.

Dr. Reid was born in Springfield, Massachusetts. He received his B. S. degree in Electrical Engineering from Worcester Polytechnic Institute in 1919 and joined the Laboratory staff as a junior engineer at the Laboratory's first wind tunnel, the AWT, on April 12, 1921. He was appointed Engineer-in-Charge in 1926.

BOOTH TO SPEAK AT SPORTS NIGHT

The second in a series of Sports Nights will be held Friday, April 27 at 7:30 in the Activities Building.

Included on the program will be a demonstration and talk by Skinner Booth, a well-known sports fisherman who is residing on the Peninsula. His subject will be "Spinning Techniques and Use of Equipment." Following the demonstration two films will be shown on fresh water fishing.

Admission will be fifty cents per person and refreshments will be served following the demonstration and showing of the films.



In ceremonies held last Monday, Dr. John F. Victory (left), Executive Secretary, presented 35-year service emblems to Dr. H. J. E. Reid (center), Director, and Howard H. Morris, Engineering Planning Officer.

LANGLEY AERONAUTICAL LABORATORY

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Editor.....Ruth Angel Vereill
Staff Photographer.....Bill Taub
Reporters.....Langley Employees
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LIFE AT THE LABORATORY

Wedding bells.

rang last Saturday when Jo Ann Dougherty, 24-Inch High Speed Tunnel, took her final vows with Joe Earl Vaughan, of Bowie, Texas, at the Langley Air Force Base Chapel. Peggilou White, 4-Foot Supersonic Tunnel, served as maid-of-honor, Faye Pollock, Structures Research, was a bridesmaid, and Jane Swartzwelder, Employment Office, was mistress-of-ceremonies.

Weighing in.

at eight pounds, twelve ounces on Tuesday, April 10 was Charles D. Jr., new son of Charles Trescot, General Aerodynamics Section.

Deserting.

the bachelor ranks was E. Eugene Hall, West Machine Shop. He was married on Saturday, April 14 to Miriam Adams, of Richmond. The wedding was held at the Gethsemane Church of Christ in Ellerson, Virginia.

Diaper Line.

Celebrating the arrival of an eight pound, one ounce daughter, Nancy Kay, on Tuesday, April 10 is Harold Murrow, Gust Loads.

Another Laboratory romance.

was climaxed last Saturday when Ann Wisecarver and William B. Igoe, both of 16-Foot Transonic Tunnel, took their final vows at St. Rose of Lima Catholic Church in Wythe. Robert E. Davidson, 16-Foot, served as best man and Donald Arabian, also of 16-Foot, was an usher.

Midnight serenader.

Walking the floor nights is Maurice Morin, Instrument Research Division. He became the father of a son on Wednesday, April 11.

The Singleton Club's.

spring outing and oyster roast will be held Sunday afternoon behind 34-B Elizabeth Road. Activities will get underway at 3 p.m. Tickets are one dollar and may be obtained by members and their guests from representatives. Hot dogs will be included on the menu.

Passing out cigars.

and candy is Tommy Thompson, 7 by 10-Foot Wind Tunnels. He became the father of a daughter, Dawn Marie, on Friday, April 13.

Beauty contest.

All girls interested in entering the Langley Yacht Club's beauty contest are asked to call Lt. Lee Cohen, Langley extension 6130, for further information. Winners will receive complete wardrobes plus a number of other gifts.

Music enthusiasts.

The Tri-City Community Concert Association, which is celebrating its 25th anniversary, will present four attractions this season. Included on the program will be the Boston Pops Orchestra, The Paris Ballet of Lycette Darsonval, the Philharmonic Piano Quartet, and Jan Rubes, bass baritone. Membership drive will be held during the week of April 23 and memberships will be six dollars for all 4 concerts. Hugh Watson, Purchase, is a member of the supervisory board and the board of selections.

Bundle from Heaven.

Announcing the arrival of a seven pound, eight ounce son on Tuesday, April 17 is Jeanne Huffman, Editorial Office.

WANTED: Ride from LaSalle Ave. and Kecoughtan Rd. to W.A. on 8 shift. Jacobson, 4431.

FOR SALE: 1946 Chevrolet with radio and heater - \$150. Erickson, Langley extension 6128 after 5 p.m.

HIGHWAY ZOO



the Elephant

This is the big, stalwart, unpassable type who plants himself in the middle of the road and plods slowly along. Accused of being a traffic hazard, he looks hurt and surprised and says, "Who, me? I was only going 20!"

LANGLEY YACHT CLUB OPENS SOCIAL SEASON

More than 200 members and guests of the Langley Yacht Club attended a pot luck supper and an evening of dancing at the Boathouse ballroom last week.

The party featured both round and square dancing to the music of the Versi-Tunes, augmented at times by Lt. Lee Cohen on the trumpet and M/Sgt. John "Bilko" Doyle on the drums.

Voted by many as the most successful affair ever staged by the Yacht Club, the party kicked off a membership drive which added more than 20 new members to the club roster.

Commodore Frank Glynn, IRD, in welcoming the members and guests to the festivities, outlined events scheduled for the coming season. Included will be several short cruises for small boats, a fishing derby, both powerboat and sailing regattas, Sunday racing for members, outdoor meetings in places accessible by boat only, and several parties and dances.

--Buy U.S. Savings Bonds--

BOWLING NEWS

MONDAY DUCKPIN LEAGUE

East Machine I added one more win to their record to continue in first place with 58 wins and 26 losses. Stores Branch is in second with 49 wins and 35 losses and Structures is in third with 47 wins and 37 losses. High scores for the week were rolled by Jimmy Link with a 152 game and 362 set. Tops for the women was Mary Edwards with a 125 game and 338 set.

STANDINGS

Team	W	L	Avg.
East Machine I	58	26	.690
Stores Branch	49	35	.583
Structures	47	37	.559
East Machine 2	45	39	.536
West Model 1	43	41	.512
Bald Iggles	42	42	.500
W. Machine 3	32	32	.500
Vibrators	39	45	.464
Ribs	34	50	.405
Fabrication	21	63	.250

MONDAY SPORTS BOWL LEAGUE

Scotch and Tapers took first place in the Sports Bowl League with a record of 48 wins and 24 losses. High individual averages for the season went to Bill Letko with 113.05 and Gay Gilbert with 99.29. High scores for the season were rolled by Todd Burk with a 151 game, Francis Rose with a 130 game, Joe Block with a 386 set and Gay Gilbert with a 353 set. High team game and set were rolled by Scotch and Tapers with 632 and 1631, respectively.

WOMEN BOWLERS

Three members of the Laboratory staff left this week to take part in the Women's International Bowling Congress Tournament which will be held today and tomorrow in Miami. Oneda Moore, Library, Lucille Berry, Telephone Operators, and Beulah Russell, Mechanical Reproduction, will bowl in the tournament with the Jugheads of the Phoebus Women's Tenpin League. Also included on the team are Betty Fuller and Lelia Kyle, of Hampton. The Hampton Heights Dairymaids are also representing the Phoebus League in the tournament.

OFFICES MOVING TO NEW QUARTERS

Effective on Tuesday, April 24 the Reporting Typing and Stenographic Sections will be located in Room 225 on the second floor of the Administration Building. The sections are moving Tuesday from their present location on the first floor of the Service Building.

FOR SALE: "Theory of Elasticity" by Timoshenko and Goodier. Training Office, 2256.



Four Lewis employees were honored on April 11 with the first presentation of the Laura Taber Barbour Air Safety Award. Winners of the award are (from left): Gerard J. Pesman, G. Merritt Preston, Irving Pinkel, and Dugald O. Black. The award has one of the highest honorariums in aviation - a minimum of \$400 annually. Established in 1955, the award is a gift of father and son, Clifford E. Barbour, Sr. and Clifford E. Barbour, Jr., of Pittsburgh, in honor of the memory of Laura Taber Barbour who died in 1945. The four Lewis staff members received the award for "development of a system to suppress crash fires". The Flight Safety Foundation, Inc., a non-profit organization which promotes safety in aviation, has been selected as annual administrator of the award. Pinkel and Preston are former Langley employees.

RICKENBACKER NAMED TO NACA

President Eisenhower this week announced the appointment of Edward Vernon "Eddie" Rickenbacker, Chairman of the Board of Eastern Airlines, as a member of the NACA. He replaces the late Ralph S. Damon, former President of Trans World Airlines, Inc., whose term expires December, 1958.

Rickenbacker is a native of Columbus, Ohio. He became nationally and internationally known as an automobile racer. During World War I he was commanding officer of the 94th Aero Pursuit Squadron, the first American Aero Unit to participate actively on the Western Front.

During World War II the Flying Fortress in which Rickenbacker was making a tour of Army outposts was ditched in the Pacific. The widely publicized story of the quick disappearance of their plane beneath the sea, leaving Rickenbacker and his fellow castaways to drift for days, dramatized the frailty of the landplane compelled to function in the environment of the seaplane. As a result, in 1943 both the Army and the Navy asked the NACA to make a study of ditching. The project was conducted at Langley.

LIFE INSURANCE PREMIUMS DUE

Members of the NACA Group Life Insurance Plan, including the new members who enrolled during the recent campaign, are reminded that the premium for the April 1 through June 30 quarter must be paid today or the individual memberships will lapse.

Final notices were distributed with the Laboratory's pay checks on April 5. Only the new enrollees received notices with the checks distributed yesterday.

Premiums will be accepted at the following collection points:

East Area - Travel Office, Administration Building.

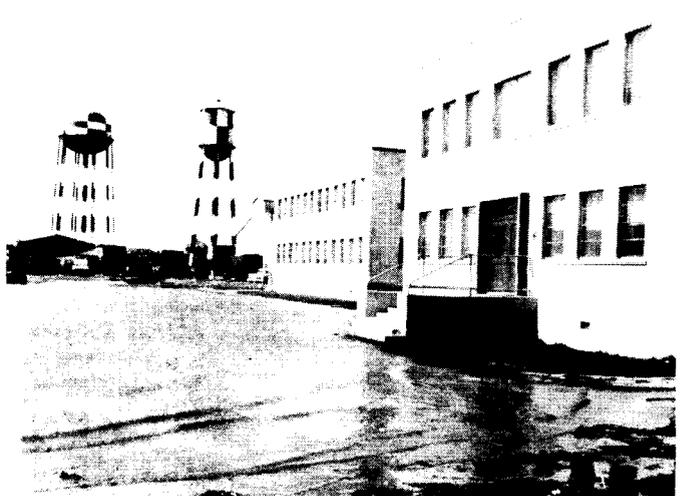
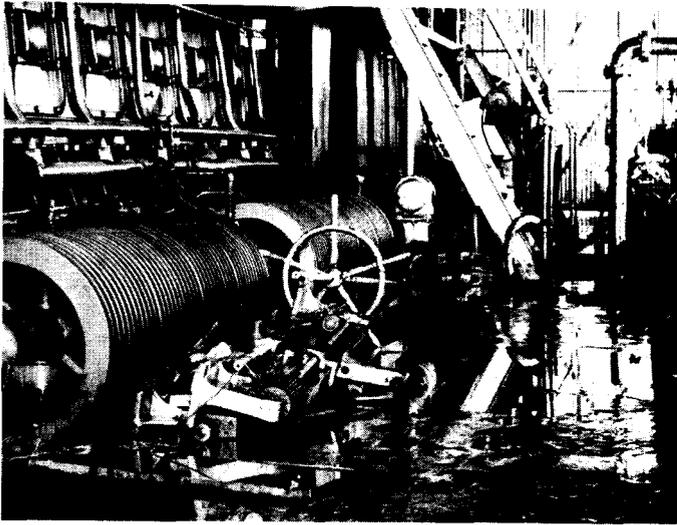
West Area - The Insurance Office in the Warehouse Building.

FOR SALE: 12-foot plywood boat - wired for electric motor. Snyder, Warwick 80653.

WANTED: 2 drivers from Stuart Gardens to E.A. on 8 shift. Cardwell, 2292.

FOR SALE: 3 bedroom house in Hudson Terrace. Vitale, W-85835.

WANTED: Ride from Gilbert St. to E.A. on 8 shift. Miller, 2236.



The wind and rain storm that hit the Peninsula last week brought to mind the hurricane of 1933 that caused considerable damage to Laboratory facilities. The upper left photo was taken in 1933 in the old PRT building. The other three photos were taken last week by Bob Hunt, East Photo Lab. The upper right and

lower left photos show interior views of Full Scale Tunnel and the photo on the lower right was taken in front of the 8-Foot Transonic Tunnel. During the storm last week the tides reached 7.9 feet above mean low water - this was accredited with being the highest the tides have risen since Sept. 18, 1936.

GENERAL ASSEMBLY

(Continued from page 1)

election in his district.

Several districts will not be required to hold a primary election since no more than three candidates for each representative were nominated.

The final election will be held on Tuesday, May 8 and the voting shall be handled in the same manner as in the primary election.

FOR SALE: Trimble deluxe aluminum baby bath - \$7. Daniel, W-83173.

FOR SALE: 4 bedroom home in Lakeside. ULMann, W-80729.

FOR SALE: Five 3-foot sections of 10-inch drainage pipe. Tuck, 42 Harris Creek Rd. H-36005 after 5.

WANTED: Ride or driving combination from vicinity of Military Highway and Aberdeen Rd. (Greenwood Farms) to E.A. on 8 shift. Colvin, 2237.

FOR SALE: 12-foot rowboat. Hogge, H-7454.

FOR SALE: G.E. automatic washer - \$125; 24-inch window fan - \$25. Ellis, Yorktown 2591.

FOR SALE: Hampton one-design sail boat with trailer and nylon sails. McComb, H-36792, or Sanders, Hampton 32795.

WANTED: Ride from Hampton to W.A. on 8 shift. Maurer, 4493.

WANTED: Additional drivers from vicinity of Huber Rd. or Groom Rd. to W.A. on 8 shift. Johnson, 4413, or Hayes, 4462.

SOFTBALL NOTICE

An organizational meeting of the NACA Softball League will be held on Tuesday, April 24 at 4:30 p.m. in the Activities Building.

All teams interested in entering the league are urged to have a representative present. The election of officers will be held and scheduling and other important matters will be discussed.

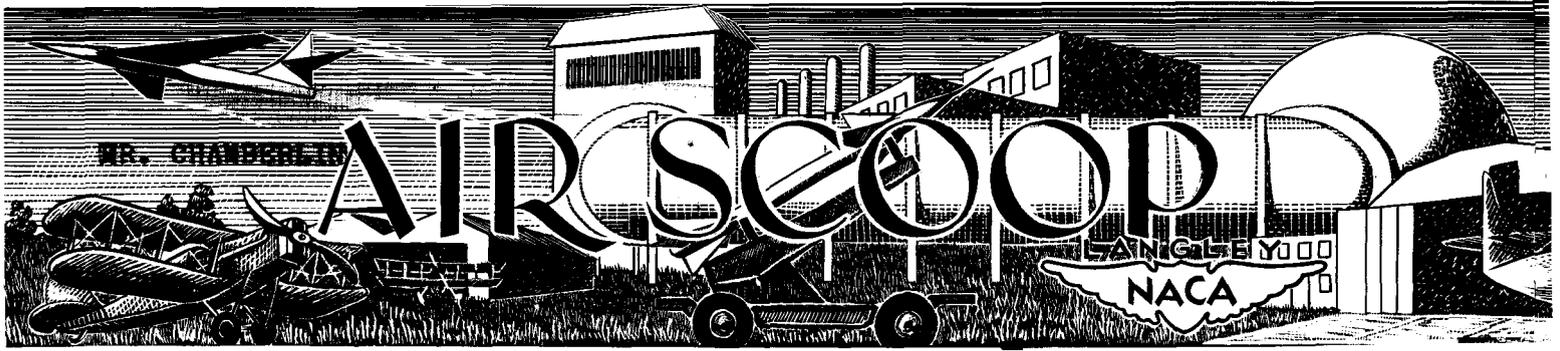
For further information call Cunningham, 4597.

WANTED: Ride from 79th Street in Newmarket Village to East Area on 8 shift. Thompson, 2328

WANTED: Ride from Newport News Ave. to E.A. on 8 shift. Rick, 2236.

FOR SALE: Utility trailer. Smith, H-32613.

NACA - Langley Field, Va.



DON'T DELAY! JOIN HOSPITAL PLAN NOW

Non-participants have only 12 more days in which to join the Laboratory's hospital insurance plan without the expense or inconvenience of a medical examination.

The current effort to increase membership in the 30-month-old program will end at the close of business on May 15.

Those planning to join but who have not turned in their applications are urged to do so in plenty of time for the Home Life Insurance Company in New York to pass on individual health certificates before the beginning of the next insurance quarter on May 16.

Applicants are requested to file their applications and health certificates, along with one quarter's premium of \$5.53, at the Personnel Office, Administration Building rotunda, or the Insurance Office, first floor of the Warehouse Building, as soon as possible.

The campaign is being held at the request of a number of non-members who expressed a desire to join the plan without the expense of a physical examination. It is not likely that the physical exam will be waived again in the near future.

As of today, more than \$300,000 have been paid by Home Life as claims to employees and their families who are participants in the plan. There are cases on record at the Laboratory to show that several employees would have been faced with almost insurmountable medical costs except for the financial assistance provided by the Langley hospital insurance plan.

Approximately 70 per cent of the eligible Laboratory employees are in the plan. The hospital insurance committee, which wants to increase this figure in the interest of improving the welfare of the staff, suggests that non-members avail themselves of this liberalized opportunity and join the plan today.

Extra forms are available at both insurance offices.

Air Scoop, May 3, 1957
Vol. 15, Issue 18

EAST AREA QUEEN PARTY IS CANCELLED

Dick J. Cole, chairman of the Fair Queen contest for Area No. 1, has announced that the Monte Carlo party originally scheduled to be held tonight at the Activities Building has been cancelled.

Cole stated that the East Area committee met this week and decided to call off the party in view of the fact that the General Assembly of the Activities Association was scheduled to convene this morning to determine the future of this year's carnival.

It was explained by Cole that his committee felt there was not sufficient time between this morning's General Assembly meeting and the proposed East Area party tonight to take whatever action might be indicated by decisions to be made at this morning's meeting.

Cole, who expressed his regrets at the cancellation, thank-

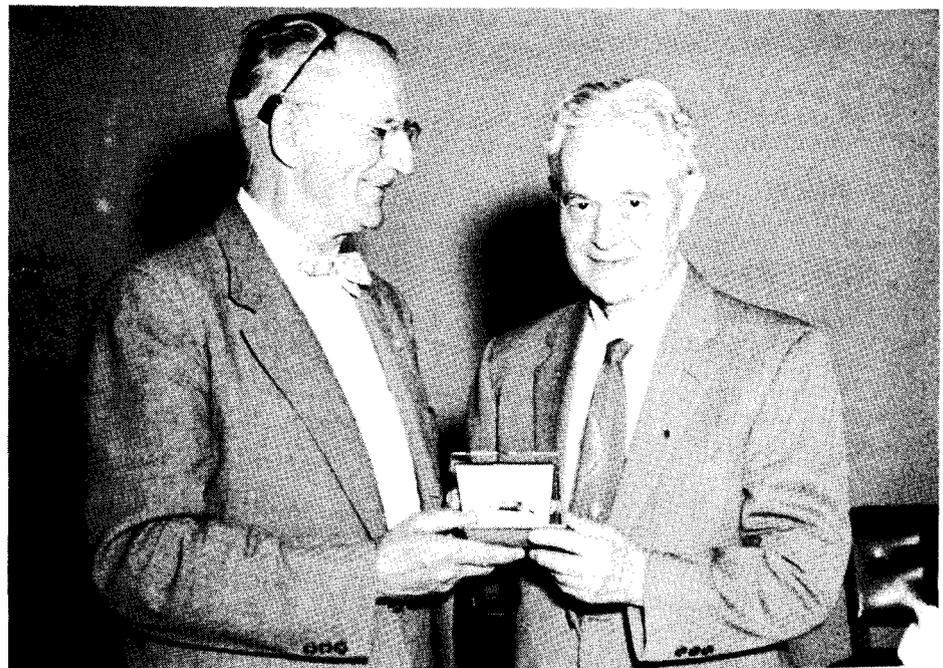
(Continued on page 3)

BENJAMIN BENNETT RETIRES FROM LAB

Benjamin G. Bennett, the Laboratory's second oldest employee in point of service, is retiring after serving 37 years with the Committee.

Bennett was born in New York City. He was graduated from Brooklyn High School and attended New York University. Before starting his NACA career he worked as a draftsman for the New York Telephone Company, New York Department of Public Works, and the Bureau of Naval Operations, Washington, D.C. He joined the NACA on May 17, 1920 as a mechanical draftsman and he is assigned to the Instrument Research Division.

Members of the Diamond Club and a group of friends and associates honored Bennett at a luncheon last Tuesday in the West Cafeteria. The group presented a watch to the honored guest.



Robert E. Mixson (left), the Laboratory's oldest employee in point of service and president of the Diamond Club, presents a watch to Benjamin G. Bennett on the occasion of his retirement from the Laboratory after serving 37 years with the Committee. Bennett, who was honored at a luncheon last Tuesday, is second to Mixson in length of service.

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Administration Building, telephone 2376.
 Editor.....Ruth Angel Verell
 Staff Photographer.....Bill Taub
 Reporters.....Langley Employees
 The Air Scoop is printed by the Mechanical Reproduction Staff.

LIFE AT THE LABORATORY

Weighing in.

at seven pounds, ten ounces on Wednesday, April 24 was Carol Lynn, daughter of Jack Reid, Instrument Research Division. The proud grandfather is Dr. H. J. E. Reid, Director.

During his travels.

the stork stopped by the Robert S. Anderson household on Wednesday, April 24 and delivered a new heiress. The father works in West Machine.

A Laboratory romance.

reached the engagement stage when Lu Mayo, Ground Loads, became engaged to Charles Ladson, 24-inch High Speed Tunnel. The wedding will take place in August.

Passing.

out cigars and candy is Joe Siegfried, Instrument Construction. He became the father of a nine pound, one ounce son on Wednesday, April 24.

Special Services Boathouse.

All persons assigned slips at the Special Services Boathouse must occupy the slip assigned or call Special Services, Langley extension 6130, for approval of an extension of time.

New Rockette.

Celebrating the arrival of an eight pound, five ounce daughter, Alice Louise, on Saturday, April 27 is Pat Gainer, Maneuver Loads.

Wedding bells rang.

last Saturday when John Ward, Loads Calibration, took his final vows with Jane Waters, Hampton, at Our Lady of the Mt. Carmel Catholic Church in Warwick. Carolyn Boerner, 16-foot Transonic Tunnel, was a bridesmaid and ushers were Conrad Willis, 16-foot, and Harold Hamer, Maneuver Loads.

Diaper Line.

Walking the floor nights is Ulma Stabler, Analytical Computing. He became the father of a son on Tuesday, April 23.

The Peninsula Sports Car Club.

held an inter-club rally on Sunday, April 21 and two of the top three places were won by Laboratory employees. David Guthrie, Structures, driver, and George Townend, IRD, navigator, took second place. Duane McSmith, Fire Inspector, driver, and his wife, Iva, navigator, came in third. The coveted first position was won by a crew from the Albemarle Sports Car Association in North Carolina and fourth was won by a Norfolk crew of the Tidewater Sports Car Club. Eighteen cars finished the 60-mile event. Membership in the Peninsula Sports Car Club is open to persons interested in sports car events. Further information may be obtained from the staff members listed above.

WANTED: Driving combination or ride from Merry Oaks or Denhigh area to W.A. on 8 shift. Moen, 4535.

FOR SALE: 3 bedroom brick house overlooking water - small down payment - will finance for 20 or 25 years. Cook, H-30836 between 4 and 10 p.m.

WANTED: Ride from Stuart Gardens to W.A. on 7:30 shift. Barnes, 4402.

FOR SALE: Siamese kittens. Burbank, H-34467.

WANTED: Alternate drivers from Sedgfield and Hudson Terrace to W.A. on 7:30 shift. Long, 4689.

WANTED: Passengers to N.Y. or en-route today. Levine, 4447.

WANTED: Alternate drivers from Stuart Gardens to W.A. on 7:30 shift. Hudson, 4681 or NN-23142.

DEADLY IDEA NO. 3



"It's the law of averages"

STEVE SPECTER WAS AN OLD HAND AT THE SAW.



WHAT WAS THAT, OLD TIMER?



YES, WE KNOW, STEVE. NOW HOLD IT! YOU'RE PUSHING INTO A WHIRLING BLADE.



LOOK OUT...sigh...IT TAKES ONLY ONE SECOND TO SLIP...

MRS. MARY LUCY RETIRES FROM LAB

Mrs. Mary M. Lucy, mathematics aid at the 7 by 10-foot Wind Tunnels retired from the Laboratory on April 25 after 15 years of Government service.



Mrs. Lucy was born in Victoria, Virginia. She graduated from Victoria High School and attended the Newport News Business College.

From 1927 to 1942 she worked for the Tubize Chattelion Corporation in Hopewell. She entered Government service in 1942 at the Bureau of Yards and Docks in Yorktown. She joined the Laboratory staff on January 20, 1944 as a calculating machine operator at the old Atmospheric Wind Tunnel, and was assigned to 7 by 10 in 1946.

WANTED: Home for male English Setter - papers included. Bland, Hampton 3-2507.

WANTED: Driving combination from Northampton, Winchester Pk. or Patrician Manor to W.A. on 7:30 shift. Kent or Martin, 4535.

BOWLING NEWS

MONDAY DUCKPIN LEAGUE

Scotch and Tapers had a bye last week but they remain in first place with 60 wins and 27 losses. Top bowlers for the week were Bill Jones with a 130 game and 347 set and Katherine Speegle with a 115 game and 303 set.

STANDINGS

Team	W	L	Avg.
Scotch and Tapers	60	27	.690
Free Flight Fliers	54	36	.600
East Machine 1	51	36	.567
Vibrators	47	43	.522
Flight	46	44	.511
Loads	45	45	.500
Stability	45	45	.500
24-inch	40	50	.444
Jets	39	51	.433
Hot Chips	39	51	.433
East Machine 2	38	52	.422
Structures	33	57	.367

WEDNESDAY DUCKPIN LEAGUE

Rebel Bombers won only one game but remain in first with 62 wins and 28 losses. 16-foot lost three and Cosmoes won three. High scores were rolled by Roland Tully with a 136 game, James Justice with a 357 set and Mary Carmines with a 107 game and 299 set.

STANDINGS

Team	W	L	Avg.
Rebel Bombers	62	28	.689
16-foot	56	34	.622
Cosmoes	53	37	.589
Pinhookers	50	40	.556
Hotshots	48	42	.533
West Model	44	46	.489
IAB	42	48	.467
Ribs	40	50	.444
Sugnas	39	51	.433
DFTS	37	53	.411
Gashouse Gang	36	54	.400
IRD	33	57	.367

TUESDAY TENPIN LEAGUE

Flight continues on first place with 57 wins and 30 losses. West End managed to stay in second and Fivers remain in third. Taking top scoring laurels were Bob Horstman with a 231 game and 615 set and Mary Tysinger with a 210 game and 552 set.

STANDINGS

Team	W	L	Avg.
Flight	57	30	.655
West End	53.5	33.5	.614
Fivers	51.5	35.5	.591
Hornets	44.5	39.5	.529
Hi-G's	43.5	40.5	.517
Angus	45	42	.517
Woodchoppers	43.5	43.5	.500
Full Scale	40	47	.460
Spare Oops	39	48	.448
Fiscal	36.5	50.5	.419
Rockets	35	52	.402
Pinbusters	30	57	.344

FOR SALE: 1948 Chevrolet - 4 door. Mason, Yorktown 4332.

FOR RENT: Room in private home. McSmith, H-6147.



This week four staff members received cash awards under the Laboratory's Incentive Award Program. In the above picture Dr. H. J. E. Reid (left), Director, presents a check for \$50 to Carl Styles, PARD, while Claud Panz, West Machine, Robert Belbin, Electrical Power Distribution, and Maynard E. Buckley, Flight, look on. Styles' suggestion involved an improved method of removing the mandrel from a rocket. Panz received \$10 for suggesting a new type of belting for use on machines in the shop; Belbin was presented \$20 for suggesting the use of preprinted decals showing symbols in lieu of hand drawn symbols on record engineering drawings, and Buckley received \$15 for suggesting a standard phasing of electrical outlets throughout the Laboratory.

CREDIT UNION INTEREST RATE

When you borrow from the Credit Union the interest rate is $\frac{3}{4}$ of one percent per month on the unpaid balance. If a loan is made for \$100 and the principal is payable in 12 equal monthly installments, at the end of the first month \$8.33 will be repaid on the principal and 75¢ in interest on the \$100, which has been used for a month. At the end of the second month, \$91.67 has been used for a month and the interest charge will be 69¢. By the time the loan is paid the total interest charge will have amounted to \$4.92. If the loan had been paid in 24 equal installments over the year, the interest charge would have been \$4.69, thus effecting a saving in interest by making more frequent payments.

When the charges for a loan, based on the above rates, are compared with the cost of financing through other channels, they will usually be found much cheaper - frequently by a ratio of two to one. Thus, a substantial amount of money may be saved, particularly on automobile financing, where in the saving may be several hundred dollars.

There are several reasons why loans with your credit union are cheaper. First, the total interest charge is usually less. Then there are no minimum charges

EAST AREA PARTY

(Continued from page 1)

ed the employees of East Area and his committee for their cooperation and support in planning the party.

Members of Cole's committee include: Axel T. Mattson, head of 8-foot Transonic Tunnels Branch; Paul D. Taylor, Transonic Dynamics Tunnel Section; Louis P. Tosti, Free Flight Tunnel; John R. Unangst, 24-inch High Speed Tunnel; Harry J. Thompson, East Machine Shop; John R. McGehee, Hydrodynamics Division; Robert D. Harrington, Full Scale Tunnel; Harry H. Hamilton, chief of Photographic Division; J. Norwood Evans, Personnel, and Leonard Bartone, Equipment Engineering.

FOR SALE: Aquaplane of laminated fiber glass - \$25. Hudgins, Newport News 2-7200.

WANTED: Driving combination from Stuart Gardens to E.A. on 8 shift. Nye, 2259.

WANTED: Ride from Lynnhaven to E.A. on 8 shift. Cox, 2313.

or service costs to add. A credit union loan may be paid in full at any time without incurring a penalty, the only charge being the interest for the time the money was actually used.

NINE RECEIVE 15-YEAR SERVICE EMBLEMS



ADELL ROGERS
MAINTENANCE



ISRAEL TABACK
IRD



MYRTLE S. BUCHANAN
MAINTENANCE



WILLIAM C. SPERRY
CONST. ENGINEERING



ALBERT L. BRASLOW
FULL SCALE RESEARCH



RICHARD C. DINGELDEIN
FULL SCALE RESEARCH



FRANK K. GOUGH JR.
WEST MACHINE SHOP



JACOB H. LICHTENSTEIN
STABILITY TUNNEL



EMANUEL BOXER
COMPRESSIBILITY



Last Sunday's flying was comparatively quiet with most flyers making just one or two check hops. Noteworthy was the flight of a 3½-foot span semi-scale Curtiss Robin by John Worth, D.T.O.S. Though several years old, this model had not been successfully flown before due to various radio trouble, but Sunday's flight lasted at least 10 minutes with no difficulties apparent. The Robin weighs 24 ounces of which 8 ounces are in radio gear. Wing loading is one pound per square foot.

Next Sunday will see the group trying out the new AMA Pylon Racing rules. Models are timed over a one-mile course which consists of 5 laps around 2 markers.

The next club meeting will be held on Tuesday, May 7 at 8 p.m. in the Activities Building. Featured will be color movies of recent club flying and a talk by Jim Penland, 11-inch Hypersonic Tunnel, on "Design Considerations for Ra-

DANCING CLASSES OFFERED STAFF

Cecil Burtner, Social Chairman, announced this week that arrangements have been made by the Activities Association to sponsor dancing classes for beginners and advanced students. Classes will be held on Wednesday evenings at the Activities Building. Wally Evans, a local dancing instructor, will teach the classes.

A fee of ten dollars per person for ten lessons will be charged. Each individual must have a partner; therefore, the class will be open to couples only. The advanced class will meet from 7:30 to 8:30 and the beginners from 8:30 to 9:30. The tentative starting date is Wednesday, May 15.

Persons interested in taking the dancing lessons are asked to contact Burtner, Flight Operations, by the close of business on May 13.

FOR SALE: 20-inch reel lawn mower with 1½ hp 4 cycle Clinton engine - \$25. Bickford, H-30095.

Radio Control Models". Members are reminded to bring in their old engines and radio control gear for overseas contribution.

16 APPRENTICES ON HONOR ROLL

Training officials announced that 16 apprentices finished the semester from February 11 to April 12 with an average of 97 or better.

Members of the Apprentice School honor roll are as follows: Robert L. Belbin, Electrical Power Distribution; Ernest E. Burcher, Instrument Construction; Clarence Cole, Instrument Construction; Charles Gilliland, East Engineering; Steve A. Greene, Dynamic Model Shop; James D. Holt, E.I.C.S.; Jack T. Kayton, West Sheetmetal Shop;

Carol C. Kiser, East Engineering; Richard L. Kurtz, West Machine Shop; William Lane, Wind Tunnel Instrument Installation Unit; William H. Manuel, East Model; Ashley D. Page, West Model; Asa L. Shaw, West Model, and Dave Williams, East Engineering.

WANTED: Ride from Lynnhaven Dr. to E.A. on 8 shift. Meyer, 2356.

WANTED: Passengers to Pittsburgh May 17. Craig, 4611.

FOR SALE: 2 bicycles for men. Beamon, H-33139.



ENGINEERS' CLUB TO HEAR STREETER

John Williams Streeter, Assistant Director of the Fels Planetarium in Philadelphia, will address the members of the Engineers' Club of the Virginia Peninsula on Thursday, May 16 at 8 p.m. at Parkview School.

Club officials stated that this should be one of the most interesting and informative meetings of the year.

Streeter will "Report on the State of the Universe" and will discuss some of the new and latest findings of the astronomers. He is a professional lecturer of outstanding ability and is known to be both stimulating and entertaining. The subject should be of interest to all engineers, wives and children of all ages.

Streeter is heard each week on station WHYY on his own program "Science Servant of Man" in which atomic and technological news is discussed in terms of every day life.

His special field of current interest is guided missiles with emphasis on ultimate peaceful uses of rockets. The principal focus of attention today is on the race into space which is involved in the earth satellite program or Project Vanguard as it is called in this Country. In Russia the effort to put a red moon in the sky is more openly tied to the Intercontinental Ballistic Missile effort.

Streeter has degrees from Harvard, Yale and the University of Arizona. He has taught at Vassar College, Brown University and Drexel Institute of Technology. He is active in the American Astronomical Society.

(Continued on page 4)

BENEDICT AVENUE DRIVERS WARNED

Air Police have made a special request that NACA employees stop using Benedict Avenue, south of the Base Hospital, as a thoroughfare.

Traffic in this area is restricted to occupants of quarters and Air Police state that they will issue traffic tickets to all drivers violating this restriction.

FAMILY FAIR PLANNING COMMITTEE RESIGNS

After a meeting of the General Assembly of the Activities Association on May 3, at which the Fair Queen Contest was removed from the Family Fair plans, and petitions were offered to bring back free food and drink for the Fair workers and across the board money gambling, the Carnival Planning Committee resigned.

At the General Assembly meeting on January 30, Tom Vranas, chairman of the Carnival Planning Committee, outlined the committee plans for the Family Fair. The General Assembly voted to accept the plan as it stood and asked the Planning Committee to accept the responsibility of carrying out the plans and producing the Family Fair. The committee accepted.

Since the General Assembly has now reversed its decision to

(Continued on page 4)

Air Scoop, May 10, 1957
Vol. 15, Issue 19

MAY 15 DEADLINE FOR ENROLLING IN HOSPITAL PLAN

Wednesday, May 15 is the deadline for non-participants to join the Laboratory's hospital insurance plan without the expense or inconvenience of a medical examination.

Late subscribers are usually required to submit to a satisfactory physical exam at their own expense, but a health statement to be executed only by the applicant will be substituted during the special enrollment period which ends at the close of business on May 15.

The health statement will be submitted for approval by the Home Life Insurance Company of New York. Those planning to join are urged to turn in their applications at once so Home Life will have time to pass on individual health certificates before the beginning of the

(Continued on page 4)



This Curtiss Jenny, otherwise known as the JN-4, was one of the first airplanes used by the staff of the Langley Laboratory for flight research - a far cry from the streamlined hypersonic aircraft shapes which are receiving the attention of today's scientists. The two-place biplane had a 90-horsepower motor and could reach speeds up to 75 mph. It was built by the Curtiss Aeroplane Company and was a favorite training ship for American and Allied pilots in World War I. The above picture was the 35th photograph made by the Laboratory.

LANGLEY AERONAUTICAL LABORATORY

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Administration Building, telephone 2376.
 Editor.....Ruth Angel Verell
 Staff Photographer.....Bill Taub
 Reporters.....Langley Employees
 The Air Scoop is printed by the Mechanical Reproduction Staff.

LIFE AT THE LABORATORY

Weighing in.

at six pounds, ten ounces on Wednesday, May 1 was Michael Lee, new son of Judy, formerly of Payroll, and Sherwood Butler, chief of the Procurement Division.

A Laboratory romance.

was climaxed when Sue Moschler and Don Baradell, both of 11-inch Hypersonic Tunnel, took their final vows on Saturday, May 20 at the chapel at Fort Monroe.

Word.

has been received at the Laboratory that Virginia Watkins Blackwell, formerly of Training Office, became the mother of a seven pound, seven ounce daughter, Ann Leigh, on Wednesday, May 1.

The pay day.

game night, sponsored by the Activities Association, will be held at 8 p.m. on Thursday, May 16 at the Activities Building.

Dan Cupid.

scored a victory when John Maynard, Gas Dynamics, announced his engagement to Joan Bomar, of Newport News. The wedding has been scheduled for July.

Diaper Line.

Announcing the arrival of a seven pound, eleven ounce son, John Paul, on Monday, May 6 are Lucy, formerly of Editorial Office, and Bill McGowan, Maneuver Loads.

The Singleton Club.

will get together at Grandview Beach on Sunday, May 19 at 2 p.m. for a picnic. Hamburgers, hot-dogs and drinks will be furnished. Dues of \$1.25 are due on or before the date of the picnic. All members are urged to come out and join the fun.

New Rockette.

Celebrating the arrival of a seven pound, ten ounce daughter, Mary Evelyn, on Wednesday, May 1 are Lucy, formerly of Personnel Records, and Joe Graham, formerly of Construction Engineering.

Congratulations.

to Helen Northcross Foley, formerly of the 19-foot Pressure Tunnel, upon receiving a 15-year meritorious service pin at the High-Speed Flight Station. Helen joined the Langley Laboratory on February 9, 1942 as a computer. She transferred to High-Speed Flight Station in October 1949, where she now holds the position of Supervising Aeronautical Sciences Editor.

The newly formed.

Hampton Roads Water Ski Club invites all interested persons to attend a meeting on Wednesday, May 15 at 7:30 p.m. at Jessie's Ski Den, located across the street from Don's Restaurant in Phoebus. Additional information may be obtained from Leon Hodge, 4711.

The Peninsula Alumni Group.

of North Carolina State College will have an outdoor dinner on Friday, May 17 at 6 p.m. at Crandol's Farm near Harwood's Mill Reservoir on Route 17. The affair will be stag and admission will be \$2.50 per person. Additional information may be obtained from Mark Cole, H-5385.

FREE: - Two 7-week old kittens.
 Ellis, Yorktown 2591.

FOR SALE: Craftsman 18-inch push
 mower - \$5. Leonard, H-8849.

**DEADLY IDEA
 NO. 4**

**"It was
 an act
 of GOD"**



DANCING CLASSES TO START MAY 15

Staff members interested in learning to dance are reminded that the Activities Association will sponsor dance instruction classes for beginners and advanced students. The classes will be held on Wednesday evenings at the Activities Building. Wally Evans, a local dancing instructor, will teach the classes.

A fee of ten dollars per person for ten lessons will be charged. Each individual must have a partner; therefore, the class will be open to couples only. The advanced class will meet from 7:30 to 8:30 and the beginners from 8:30 to 9:30. The tentative starting date is Wednesday, May 15.

Persons interested in taking the dancing lessons are asked to contact Cecil Burtner, Flight Operations, by the close of business on Monday, May 13.

WANTED: Alternate drivers or passengers from Sussex Hilton or New Market to W.A. on 8 shift. Johnson, 4556 or Davis, 4436.

BOWLING NEWS

MONDAY DUCKPIN LEAGUE

Scotch and Tapers added two more wins to their record to continue in first place with 62 wins and 28 losses. Taking top bowling honors for the week were Joe Block with a 140 game, John Dupere with a 375 set, and Gay Gilbert with a 115 game and 332 set.

STANDINGS

Team	W	L	Avg.
Scotch and Tapers	62	28	.689
Free Flight Fliers	56	37	.602
East Machine 1	54	36	.600
Stability	48	45	.516
Vibrators	47	46	.505
Flight	46	47	.495
Loads	46	47	.495
24-inch	43	50	.462
Jets	40	53	.430
Hot Chips	40	53	.430
East Machine 2	40	53	.430
Structures	33	60	.355

WEDNESDAY DUCKPIN LEAGUE

Rebel Bombers lost all three games but remain in first place with 62 wins and 31 losses. 16-foot won all three to trail in second by only a three-game margin. Top scores were rolled by Jim Jones with a 128 game, William Nelson with a 330 set, Ethel Tully with a 129 game and Ferne Gopcynski with a 305 set.

STANDINGS

Team	W	L	Avg.
Rebel Bombers	62	31	.667
16-foot	59	34	.634
Cosmos	56	37	.602
Pinhookers	52	41	.559
Hotshots	49	44	.527
West Model	45	48	.484
IAB	44	49	.473
Sugnas	41	52	.441
Ribs	40	53	.430
DFIS	39	54	.419
Gas House Gang	37	56	.398
IRD	34	59	.366

TUESDAY TENPIN LEAGUE

Flight chalked up two more wins to remain in first place with 59 wins and 31 losses. High scoring laurels went to Dick Harman with a 225 game, Freddy Hines with a 606 set, Elaine MacDonald with a 208 game and Betty Harman with a 553 set.

STANDINGS

Team	W	L	Avg.
Flight	59	31	.655
West End	55.5	34.5	.616
Fivers	52.5	37.5	.583
Angus	48	42	.533
Hornets	46.5	43.5	.516
Hi-G's	45.5	44.5	.505
Woodchoppers	43.5	46.5	.483
Full Scale	42	48	.466
Spare Oops	42	48	.466
Fiscal	37.5	52.5	.416
Rockets	37	53	.411
Pinbusters	31	59	.344

FOR SALE: 7 room home with 3 bedrooms. Martin, H-38863.

TIME for CLEAN-UP



CREDIT UNION LOANS

After an application for a loan is filled out it goes before the Credit Committee. This committee is elected once a year by the members from among themselves at the annual meeting. Currently, the committee consists of Harold Turner, Safety Office, chairman; Jerome Hammack, Flight Research; Ada Hadden, Accounting; Richard Davey, 16-foot, and Thelma Cullum, Credit Union.

The committee meets several times a week to act on loan applications, thus an applicant is able to get prompt service on his loan. The committee considers carefully the purpose of the loan and whether it is to the applicant's advantage to acquire the debt. Of course, some loans have to be turned down which, although disappointing, may be a real service to the member by not letting him assume more debts than he is able to repay. After the loan is approved, the applicant may pick up his check at either the East or West Area office. The entire procedure usually takes two days.

FOR SALE: "Machine Shop Theory" by Ford Trade School, "Elements of Calculus" by Granville, Smith and Langley, "Elementary Differential Equations" by Kelly and RCA Transmitting Tubes. Training Office. 2256.

FOR SALE: 1953 Buick Special Hardtop - \$868. Heier, W-84819.

FOR SALE: Potted geraniums in bloom. Page, 419 Lee St.

FOR SALE: 50 lb. Mamba recurve glass bow and 65 lb. Ben Pearson recurved glass bow. Henderson, Warwick 83334.



Last Sunday's Pylon Rolling was successfully tried by three flyers. Top time over a 5 lap, 1 mile course was scored by Nate Rambo, Free Flight, who averaged 21.8 miles per hour. He just barely beat out Ivan Beckwith, Gas Dynamics, who averaged 21.7 mph. John Moore, also of Gas Dynamics, almost ran away with the event and had it sewed up until his engine quit at 4½ laps. Had he been able to finish his speed would have been at least 27 mph.

The speeds may seem low but the event is deliberately tailored to average sport models since engine size is restricted and there is a minimum wing area required. Also, speeds are average for the complete flight and do not indicate momentary higher speeds obtained during portions of the flight pattern.

Dave Holmes, Full Scale, got through his radio control initiation by making four very good flights with his dual control "Mambo". After several weekends of trouble, Dave renamed his model "Jinx I" and promptly started flying reliably! Next newcomer expected to be initiated into the radio control ranks is Ray Cerny, Dynamic Model Shop, who is readying his new model for first flights this weekend.

FOR SALE: 1956 Ford convertible. Freeman, Poquoson 5661.

FOR SALE: Window screens, screen door and storm windows - 12 windows approximately 31 by 59 - \$50 for the lot or will sell separately. Richardson, H-35509.

FOR RENT: Room for lady. Mrs. Green, 224 Little Farms Ave., H-35305.

FOR SALE: 2 french doors with hardware, hydraulic door closer - \$20. Burlock, Poquoson 6090.

FOR SALE: 21-inch Motorola TV with UHF and VHF, fringe area control and mahogany swivel top table - \$45. Messick, H-5993.

FOR SALE: 21-foot Chris Craft cabin cruiser - \$1900. Rawles, Hampton 30349.

FOR SALE: 12 gauge Belgium Brown-ing automatic shot gun and shells. Owens, NN-42379.

PICNIC GROUNDS OPEN TO FAMILIES

Officials of the Activities Association have requested that Laboratory families planning to use the picnic area on week days, check with Bruce Amole to be sure that no official functions have been scheduled for the Activities area. Amole may be called at 4583 or Hampton 3-9474.

Persons using the picnic area are also urged not to park on the grass but to use the parking lot and to throw trash in the containers that have been provided for that purpose.

No attendant will be on duty on week-ends but the outside entrances to the rest rooms will be open.

Small family groups may use the area on week-ends without making reservations, but to avoid conflict it is suggested that they check with Amole first to be sure that a larger party has not been scheduled.

Charcoal grills and charcoal are also available at the Activities Building.

CAMERA CLUB MEETS MAY 13

The monthly meeting of the Langley Camera Club will be held Monday, May 13 at 7:30 p.m. at Service Club No. 1. The main feature of the meeting will be a black and white print contest. Any black and white picture 5 by 7 or larger may be entered. Also included on the agenda will be the nomination of officers for the next fiscal year. Reservations will also be taken for the print of the year banquet in June.

Any non-member may attend the events by calling Ed Davenport, 7 by 10-foot Wind Tunnels.

Non-members may also receive the club's monthly newspaper by calling Gertrude Westrick, 2281.

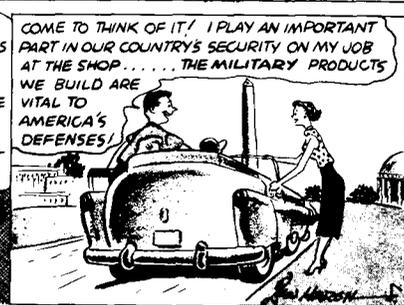
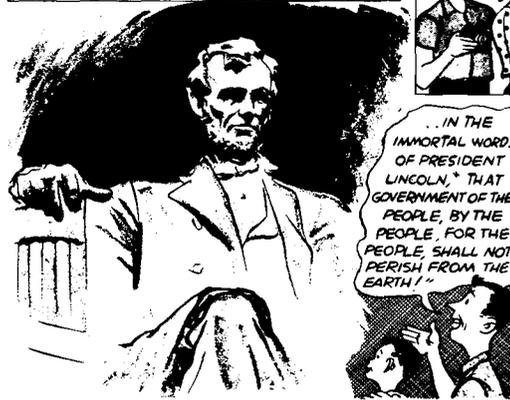
WANTED: To share driving from Patricia Manor to E.A. on 8 shift. Worth, W-81319.

FOR SALE: 150 by 210 lot in Marlbanks Farms. Burrows, W-83427.

WANTED: Ride from Seldon Rd. to W.A. on 7:30 or 8 shift. Cale, 4432.

WANTED: Ride from vicinity of Victoria Blvd and Armistead Ave. to W.A. on 8 shift. Crockett, 4696.

FOR SALE: Zoysia Matrella grass - \$3.50 per square yard. Hedgepeth, W-84553.



ENGINEERS' CLUB

(Continued from page 1)

mical Society, the History of Science Society and the Research Society of America.

Admission to the meeting will be by tickets only. Tickets have been mailed to all club members and additional ones may be obtained from Anshal Neihouse, Spin Tunnel, or F. M. Rogallo, 7 by 10.

Persons interested in joining the Engineers' Club are urged to do so now in order to participate in the remaining meetings and field trips and to be included in the forthcoming year book. The first-year dues for a member accepted in May to July inclusive will be waived. Application blanks may be obtained from Rogallo, 7 by 10, Bill Nelson, Air Induction, or Stanley Scher, Spin Tunnel.

FAMILY FAIR

(Continued from page 1)

accept the plan as presented and has altered the plan, the Planning Committee feels that it no longer is their plan and have regretfully resigned.

The committee wishes to thank those persons who offered their time and service to try to make this Carnival a success, particularly those who worked so hard on the children's area.

At the General Assembly meeting held last Friday, Cecil Burtner, Social Chairman, was named new chairman of the Family Fair Planning Committee. Further plans and information will be published in the near future.

FOR SALE: Cold Spot deep freeze - \$100. Notz, H-20010 after 5.

HOSPITALIZATION

(Continued from page 1)

next insurance quarter on May 16.

Applicants are requested to file their applications and health certificates, along with an advanced quarterly premium of \$5.53 to the Personnel Office, Administration Building, or the Insurance Office, first floor of the Warehouse Building. Extra forms may also be obtained at these locations.

The insurance of employee applicants whose health statement is approved will be effective May 16, provided they are then actively at full time work. If they are not actively at work on that date, they will be insured on the first day they return to active full-time work.

Eligible dependents included in the application will be covered effective August 16, provided the employee applicant is insured on May 16. A dependent confined in a hospital on August 16 will be included in the plan upon termination of hospital confinement. Pregnancy benefits are payable only if pregnancy starts after the effective date of insurance.

WANTED: Alternate driver from vicinity of Hampton Roads Ave. to W.A. on 8 shift. Rossman, 4516.

WANTED: Driving combination from Marshall Ct. to W.A. on 8 shift. Brady, 4516.

WANTED: Bowlers for summer tenpin league at air conditioned Sports Bowl. Paucker, 4611.

WANTED: "Architectural Graphic Standards" by Ramsey and Sleep-er. Kelly, 2240.



13 PRESENTED SERVICE PINS

At the Old Timers' Honor Night held last Friday in the Activities Building to celebrate 25 years of service to aeronautics by the Full-Scale Wind Tunnel and Tank No. 1, meritorious service emblems were presented to five staff members who have completed 25 years of service with the Committee and to eight who have completed 20 years.

Members of the 25 year group were John W. Scott, Construction and Repair; Joseph Walker, Full-Scale Tunnel; Walter F. Lindsey, head of 24-Inch High-Speed Tunnel; John B. Parkinson, Chief of the Hydrodynamics Division, and Warren Gilman, Purchase Branch.

Receiving 20-year pins were William Gracey, Flight Research; Walter A. Porter, Stock; Dr. Samuel Katzoff, Office of the Chief of Full-Scale Research Division; Leonard C. Richardson, Planning; Charles E. Heath Jr., East Engineering; David Buchanan Jr., Stock; Frank Diggs, Transportation; and George W. Satchell, Pipefitting.

Scott is a native of Newport News. He graduated from Huntington High School and joined the Laboratory staff on February 2, 1931.

Walker was born in Newport News. He attended Newport News High School and graduated from the Apprentice School of the Newport News Shipbuilding and Dry Dock Company as a machinist. He served in the Navy from 1917 to 1919 and entered on duty at Langley February 10, 1931.

Lindsey hails from Paris, Virginia. He received his B.S. degree in Electrical Engineering from Virginia Military Institute and started his NACA career on May 4, 1931. He was appointed head of 24-Inch on July 1, 1946.

Parkinson is a native of Beacon, New York. He graduated from the Webb Institute of Naval Architecture in New York and joined the Laboratory on June 1, 1931. He was appointed chief of the Hydro-

(Continued on page 6)



Richard T. Whitcomb, assistant head of the 8-foot Transonic Tunnels Branch, will be awarded an honorary degree of Doctor of Engineering by Worcester Polytechnic Institute at commencement exercises to be held Sunday in Worcester Municipal Auditorium.

BIG CARNIVAL STARTS TODAY

Today immediately after work the Activities Association's annual carnival will open at the Activities Area and plenty of fun for all ages has been planned for the big two-day event.

The gigantic midway will be in full swing both days and ground prize awards will be presented every hour on the hour. The grand prize for today will be a 3/4 ton Mitchell air conditioning unit and it will be presented at 10 p.m. Today's activities will close with a free dance in the Activities Building from 9 'til 1 to the music of The Skyliners.

Tomorrow the midway will open at 2 p.m. Two grand prize awards will be given away tomorrow night. The first prize which will be presented at 9 p.m. will be a lady's or man's ensemble. The super grand prize, which will be given away at 10 o'clock, will be an all-expense

(Continued on page 2)

WHITCOMB RECEIVES HONORARY DEGREE FROM ALMA MATER

Richard T. Whitcomb, Assistant Head of the 8-Foot Transonic Tunnels Branch, will be awarded an honorary degree of Doctor of Engineering by Worcester Polytechnic Institute, his alma mater, at commencement exercises to be held Sunday in Worcester Municipal Auditorium.

School officials announced that the 35-year-old Whitcomb, who provided aviation with a new aircraft design concept described as the key to practical supersonic flight, is believed to be the youngest person ever to receive an honorary Doctor of Engineering degree from W.P.I.

The award to Whitcomb marks the second honorary degree to be presented to Langley personnel by the Massachusetts school. The first to be so honored was Dr. H. J. E. Reid, Director, who received an honorary Doctor of Engineering degree from W.P.I. in February, 1946. Dr. Reid also is an alumnus of W.P.I. and plans to attend the commencement ceremony in Worcester.

John C. Warner, president of Carnegie Institute of Technology since 1950 and a renowned chemist, will be the commencement speaker and will receive one of the four Doctor of Engineering degrees to be awarded at the ceremony.

Other honorary Doctor of Engineering degrees will be presented to George R. Strandberg, consulting engineer, Stone and Webster Corporation, Boston, one of the foremost engineers in the United States in hydroelectric power development, and Barnett F. Dodge, professor and head of the Department of Chemical Engineering Yale University.

Whitcomb won the Collier Trophy for 1954 for the "greatest achievement in aviation in America." The award was presented in Washington last December by Vice President Ni-

(Continued on page 3)

Air Scoop, June 15, 1956
Vol. 15, Issue 24

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Service Building, telephone 2376.

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I.A.S. NATIONAL SUMMER MEETING STARTS MONDAY

The National Summer Meeting of the Institute of the Aeronautical Sciences will be held June 18 and 21 in Los Angeles, California. Twenty-five technical papers will be presented during the four-day conference.

Dr. Hugh L. Dryden, Director of the NACA, will deliver the principal address at the I.A.S. dinner on Wednesday evening at the Biltmore Hotel. This affair has been planned as a tribute to Dr. Theodore von Karman, an honorary fellow of the I.A.S., who marked his 75th birthday on May 11. About 1,000 persons are expected to attend.

Dr. von Karman, professor emeritus of California Institute of Technology and former director of the Guggenheim Aeronautical Laboratory there, is now chairman of NATO's Advisory Group for Aeronautical Research and Development.

At the dinner on Wednesday, the Octave Chanute Award for 1956 will be presented to A.M. "Tex" Johnston, Chief of Flight Test, Boeing Airplane Company, Seattle.

The award, a certificate accompanied by an honorarium of \$200, is given annually for "a notable contribution made by a pilot to the aeronautical sciences."

Dr. Edward R. Sharp, Director of Lewis Laboratory and president of the Institute, said Johnston was chosen by the award committee for his excellent flight test work over a period of years - not for any individual achievement. Dr. Sharp will make the presentation and read the citation commending Johnston for "combining the practical with the scientific approach in the initial flight testing and evaluation of high-performance jet aircraft and engines."

Johnston has been a test pilot for nearly 14 years. He has flown more than 60 types of airplanes, ranging from World War II fighters to the huge Boeing 707 jet transport. He has logged 12,600 hours in the air, of which 2,600 hours were in jet planes. He has taken up 11 different types of planes for their first flights.

FOR SALE: Sofa bed with slip covers - \$18. Miller, H-8993.

FOR RENT: House in Windsor Terrace. Winn, H-32550.

FOR RENT: Room for gentleman. Mrs. Suttle, H-35762.

FOR SALE: 3 bedroom house near Langley, Eden, 211 Courtney Dr.

LIFE AT THE LABORATORY

Wedding bells.

rang last Saturday when Barbara Peach, Instrument Research Division, took her final vows with Tony R. Auby, Electric City, Washington, in the First Baptist Church, Newport News.

Announcing.

the arrival of a seven pound, nine ounce daughter, Anne, on Thursday, June 7 are Virginia, formerly of Gust Loads, and Paul Fournier, 7 by 10-Foot Wind Tunnels. The proud grandfather is E. J. A. Fournier, Engineering Service Division.

Making plans.

to desert the bachelor ranks is Meredith Appleton, who is on military leave from Instrument Research Division. He is engaged to Faye Colleen Kesler, Warwick, and the big event has been scheduled to take place on August 4.

I.A.S. Dinner-Dance.

Williamsburg Lodge will be the scene of an informal dinner and dance which will be held on Saturday, June 30 by the Hampton Roads Section of the Institute of the Aeronautical Sciences. A cocktail hour will precede the dinner and dancing will end at 12 o'clock. Details of the affair will be sent to members in the usual printed notice but those interested in attending should make plans now.

The Singleton Club.

will have its anniversary party on Saturday, June 30 at the Langley Boat House. All married alumnae are invited and should call Maria Carroll or Sue Koenig, Hampton 3-4274, for tickets. Tickets will be available in advance for all members and their guests.

ANNUAL CARNIVAL

(Continued from page 1)

paid vacation trip for two to Bermuda. The winners of the three grand prizes do not have to be on the carnival grounds to win. All other prize award winning tickets must be presented by the person whose name is called or by his or her spouse, son, or daughter.

The big celebration will close on Saturday night with another free dance in the Activities Building. Music will be furnished by The Modernaires and dancing will be from 10 'til 2.

Tickets to the carnival may be purchased from the District Representatives for 50 cents each. Tickets will also be available on the grounds.

One of the outstanding features of the two-day event will be a special carnival area roped off for the children only.

Food booths will be set up on the carnival grounds so plan to come out early.

FOR RENT: 6 room house. Elizabeth Boyenton, H-6015 after 5.

SOFTBALL NEWS

Stability took a 15-7 win from Flight to remain the only undefeated team in the NACA Softball League. Winning pitcher was Tommy Andrews and Bill Aiken served on the mound for the losers. Outstanding players were Bill Kneppshield with a home run, Aiken with a 3 base hit, and Pete Korycinski who nabbed a deep fly ball.

Flight went down to defeat again when IRD chalked up a 9-6 victory. Forrest hurled for the winners and Ted Skopinski was pitcher for the losers.

ANGUS moved to a tie for second place by defeating Structures 8-4 and PARD 10-8. Winning pitcher in both games was Keith Redner.

Team	W	L	Avg.
Stability	2	0	1.000
ANGUS	2	1	.667
IRD	2	1	.667
Flight	1	2	.333
Structures	1	2	.333
PARD	0	2	.000

FOR SALE: 1940 Plymouth sedan. Strayer, H-6414 after 5.



In the upper left photograph members of the Teal Flying Club, Incorporated, wax the club airplane which is a Piper Cub J-3. Shown in the foreground is Walter Illg, Structures Research, treasurer, and in the rear (from



left) are Charlie Ijames, Mickey Davidson, legal advisor, and Manny Schnitzer, Water Loads Branch, president. Upper right - Schnitzer, standing, and Illg, in cabin, examine charts before an extended over-water hop.

GROUP FORMS FLYING CLUB

The Teal Flying Club, Inc. has recently been organized under the corporate laws of Virginia for the purpose of providing safe inexpensive flying for student and licensed pilots. This non-profit organization was formed in January by a group consisting mainly of Laboratory staff members. Since then it has fulfilled all the corporation requirements, acquired an airplane and has operated both safely and inexpensively for its members.

The organization owns one Piper Cub J-3 which cruises at 70 mph and has a range of 200 miles. This plane is primarily for training purposes but has been used on cross-country flights and week-end vacations. At present it rents to members for \$3.50 per hour. Plans for the future include acquiring a four place aircraft to be used by the licensed members of the club for long cross-country flights and for vacations. Such a plane would cruise at 125 mph, have a range of 500 miles and rent to members for about six dollars per hour.

The club now issues both voting and non-voting stock. Holders of voting stock have access to all club aircraft while those with non-voting stock are limited to the use of primary trainers only. The voting stock is presently sold for \$150 per share and the non-voting stock for \$75 per share. Membership dues are \$5 per month; however, payment of dues is waived for those members who fly a minimum of 5 hours per month. Outgoing members may sell their stock to qualified persons or back to the corporation.

The club is presently open for a limited number of new memb-

WHITCOMB HONORED

(Continued from page 1)

xon. The trophy, generally regarded as America's preeminent aviation award, cited Whitcomb for making a contribution to basic knowledge yielding significantly higher airplane speed and greater range without the requirement of an increase in power.

Another top honor won by Whitcomb as the result of his scientific achievement was the Exceptional Service Award, the highest honor bestowed on civilians by the Air Force. The award was presented in the Pentagon last December by Dr. Donald A. Quarles, secretary of the Air Force, and cited the local scientist for greatly enhancing the capability of combat aircraft through application of his design concept.

ers. Experience is not a requisite for membership but all members must be checked out by the check-out pilot before being given command of any club aircraft. The present check-out pilot is Don Arabian, 16-Foot Transonic Tunnel, who is an ex-Navy pilot.

Officers of the club are Manny Schnitzer, Water Loads Branch, president; Chris Critzos, 16-Foot, vice president; Melvin Markey, Water Loads Branch, secretary, and Walter Illg, Structures, treasurer.

Additional information may be obtained from any club member or by calling Hampton 8693 or Newport News 5-1640.

WANTED: Ride or driving combination from vicinity of 74th St. and Jefferson Ave. ext. Goodrich, 4662.

WANTED: Ride from Elizabeth Rd. to W.A. on 7:30 shift. Selth, 4662.

LITTLE LEAGUE OPENS SEASON

The YMCA Little League, sponsored by the Murray Court Men's Club, opened their season on Monday at the little league field on Langley Air Force Base.

Brig. Gen. Edwin S. Chickering, Base Commander, threw out the first ball. Special music was furnished by the 564th Air Force Band and the invocation was offered by Chaplain Frank M. Arnold Jr. The program also included the flag raising ceremony by the 405th Air Police Squadron.

The opening game was between the Langley Jets and the Langley Flyers. Both teams are composed of children of Laboratory staff members and civilian and military employees of the Air Force. The Flyers walked away with a 13-8 victory. The Flyers are managed by M/Sgt. L. L. Abernethy and coached by Carl Loar, Unitary Wind Tunnel.

The little league field is located in the ITA area and games will be played at the field every Monday through Thursday for the next two weeks. Staff members are invited to come out and lend their support. Game time is 5:15.

WANTED: Ride from Lynnhaven Dr. to W.A. on 8 shift. Smith, 4558.

WANTED: Ride with NACA employee from vicinity of Wickham Ave. to Pembroke Ave. and Salters Creek Rd. on 8 shift. Dillaman, NN-27771.

WANTED: Ride from Regent St. to W.A. on 8 shift. Parks, H-4838.

WANTED: Driving combination from vicinity of Pine Grove Rd. and Route 17 to W.A. on 8 shift. Christopher, 2394.

ANNIVERSARY PARTY

More than 200 Laboratory staff members and their guests attended a dinner party at the Activities Building last Friday night, celebrating the silver anniversary of the Full Scale Wind Tunnel and Tank No. 1 and honoring Langley employees with 25 or more years of NACA service. Dr. H. J. E. Reid, Director, served as master of ceremonies.

Floyd L. Thompson, Associate Director, reminisced about the early days at Langley and recalled some of the local and national events which made news when the Laboratory was just beginning its four decades of service. Thompson introduced a number of guests who attended the celebration.

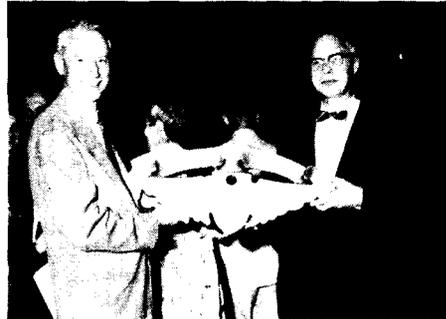
Among those from out of town were Dr. E. R. Sharp, Director of the Lewis Laboratory, who offered congratulations to the two research facilities and the Langley Old Timers for their contributions to the advancement of aviation; Edward H. Chamberlin, NACA Executive Officer; Lewis A. Rodert of Lewis, one of three NACA staff members to win Collier Trophy awards; Ralph E. Cushman and Ralph W. May, members of the NACA Headquarters staff; and William Dewey former Langley employee and recently retired from Lewis.

Thirty-inch replicas of the NACA 25-year service pin, attractively finished in gold and blue, were presented to the staffs of the Full Scale Tunnel and Tank No. 1 - recognizing the continuous operation of the two installations since they were dedicated in May, 1931. The Full Scale Tunnel emblem was presented by John Stack, Assistant Director, to Eugene C. Draley, chief of the Full Scale Research Division, and Gerald W. Brewer, present head of the tunnel. The Tank No. 1 emblem was presented by Hartley A. Soule, Assistant Director, to John B. Parkinson, chief of the Hydrodynamics Division, and Roland E. Olson, head of the original tank.

Brief histories of the Full Scale Tunnel and NACA's hydrodynamics research facilities were given respectively by Brewer and Parkinson, who illustrated their talks with slides.

A special 5-minute educational newsreel on Richard T. Whitcomb and the development of the Area Rule was shown to the group.

Among the former heads of the Full Scale Tunnel who attended the dinner was Herbert A. Wilson Jr., now chief of the Unitary Plan Wind Tunnel Division. Dr. Reid read messages from Dr. Smith J. DeFrance, Director of Ames, who was the first head of the Full Scale Tunnel, Abe Silverstein, Associate Director at Lewis, and Clinton H. Dearborn, re-



Top photo (from left): Charles Donlan, Dr. H. J. E. Reid, William J. Nelson, and Mrs. Donlan. Second row left photo - William Dewey, standing, and Charles Decker, seated. Right photo - John B. Parkinson and Roland Olson with replica of 25-year service pin. Third row - Speakers table. Fourth row left photo - Dr. E. R. Sharp, standing, and Edward H. Chamberlin (seated). Right photo - Warren Gilman received 25-year pin from Dr. Reid.

HONORS OLD TIMERS

tired assistant to the NACA Director, both of whom formerly served as head of the 25-year-old tunnel.

Dr. DeFrance pointed out in a telegram that many of his most pleasant associations originated in the Full Scale Tunnel and that he sincerely regretted that he could not attend the silver anniversary. He sent congratulations to the staffs of the facilities and his kindest regards to all old timers.

Silverstein sent best wishes for the success of the 25th birthday celebration and said in a telegram that he "would enjoy being back with the old gang."

A letter was read from Dearborn, who offered congratulations and expressed a wish that both the Full Scale Tunnel and Tank No. 1 will have many more years of usefulness to the science of aeronautics.

A telegram from Ames, sending anniversary congratulations, was received from several Langley alumni. Those who signed the message included Sam Davidsen, Art Freeman, Harry Goett, Manley Hood, Joe Jurscaga, Ferril Nickle, Jack Nielsen, Jack Parsons, Russ Robinson, Fred Sutton, and Jim White.

One of the highlights of the party was the introduction by Thompson of Langley Old Timers who comprise the 35, 30, and 25 year service groups. Current employees with 25 or more years of service, many of whom attended the get-together include:

35 Years: Benjamin G. Bennett, Percy R. Keffer, Robert E. Mixson, Howard H. Morris, and Dr. Reid.

30 Years: Lucy W. Bainbridge, Ruth T. Belle, Ellis R. Burbank, Charles C. Decker, Clarence L. Decker, Francis J. Howard, Clarence B. Kline, George C. Lumpkin, George O. Magnus, Charles L. Shobe, William E. Trail, Harold R. Turner, and Walter G. Walker.

25 Years: Alfred E. Alexander, James Betts, Maurice J. Brevoort, Edmond C. Buckley, John L. Crigler, John R. Dawson, Eldridge H. Derring, James W. Elder, Edward J. Fay, Marvin Forrest, E. J. A. Fournier, I. E. Garrick, Warren S. Gilman, Robert F. Goodness, Melvin N. Gough, Thomas A. Harris, Ray W. Hooker, Rufus O. House, Verner D. Howell, Robert E. Hunt, Raymond H. Lincoln, Walter F. Lindsey; E. E. Lundquist, James Luster, John C. Messick, Aaron G. Mills, Benjamin F. Murden, John B. Parkinson, Henry A. Pearson, John Pritchett, Bernice Richardson, William P. Schuler, John E. Scott, Joseph A. Shortal, Hartley A. Soule, Robert C. Spencer, John Stack, Floyd L. Thompson, William P. Tully, E. Floyd Valentine, Joseph Walker, Harold Q. Westcott, and Ray Windler.



Top photo (from left): Mrs. Stack, Stack, Chamberlin, Dr. Sharp, and Dr. Reid. Second row left photo - Leonard Richardson receives 20-year pin from Dr. Reid. Right photo - Mr. and Mrs. Lewis Rodert. Third row - Banquet scene. Fourth row left photo - Dr. Reid presents 20-year emblem to George Satchell. Right photo - Eugene Draley and Gerald Brewer hold replica presented to Full Scale Tunnel. --Photos by Harry Broskie

PROOF THAT IT PAYS TO MAKE SUGGESTIONS



Last week two staff members received cash awards under the Laboratory's Incentive Award Program. Upper left—David D. Alexander Jr., Heat Treating, looks at a check for \$40 which he received for developing a fabrication technique for special type honing stones. Upper right — Dr. H. J. E. Reid, Director, presents a check for \$10 to William C. Muhly, Planning Office, for a suggestion

involving the procurement and issuing of pencils. Cash awards were also recently presented to Grace T. Blizard, Purchase, and Virgil H. Justice Jr., 16-Foot, who were not present when the pictures were taken. Grace received \$50 for a suggestion which resulted in the elimination of work involved in checking on purchase requests and Justice received \$10 for a safety suggestion.

SERVICE PINS

(Continued from page 1)

dynamics Division August 22, 1946.

Gilman was born in Greenville, Kentucky. He graduated from Central High School, Washington, D.C., and attended George Washington University. He entered on duty June 11, 1931 as a junior clerk typist and was made head of Purchase Section June 16, 1945.

Gracey claims Baltimore, Maryland as his birthplace. He received his B.S. degree in Chemistry from the College of William and Mary and his M.S. from the University of Pennsylvania. He started his NACA career on January 1, 1936.

Porter was born in Wythe County. He attended Ivanhoe High School in Ivanhoe, Virginia, and joined the Laboratory staff on January 20, 1936. He transferred to Stock Section in 1937.

Dr. Katzoff is a native of Baltimore, Maryland. He received his B.S. and Ph.D in Chemistry from Johns Hopkins University. He entered on duty at Langley March 23, 1936 as a junior physicist at Full Scale Tunnel. He was appointed Assistant Chief of Full-Scale Research Division in 1946.

Richardson is a native of Newport News. He graduated from Newport News High School. He entered on duty March 25, 1936 and graduated from the Apprentice

School in 1944 as an engineering draftsman. He transferred to planning July 19, 1944.

Heath was born in Norfolk. He graduated from Maury High School in Norfolk and entered on duty at the Laboratory as a junior engineering draftsman on May 1, 1936.

Buchanan hails from Philadelphia. He attended Shreveport High School and graduated from Norview High School. He joined the Laboratory staff on May 11, 1936. He served in the Army from May, 1944 to October, 1944.

Diggs is a native Hamptonian. From 1921 to 1936 he worked for the Federal Government at Ft. Monroe, Langley Field, and Kecoughtan Veteran's Administration. He entered on duty at the Laboratory on May 11, 1936.

Satchell was born at Cape Charles. He was employed as a rigger at the Newport News Shipbuilding and Dry Dock Company from 1923 to 1927 and worked for a local plumbing concern before joining the Laboratory staff on May 29, 1936.

FOR SALE: 20-inch heavy duty 2-speed window fan. Pierpont, Hampton 3-2121.

FOR SALE: Large vanity table with glass top and white organdy skirt, also bench - \$15. Zanks, H-4666.

FOR SALE: Maple bunk beds with guard rail and ladder. \$25. Walters, W-80895.

BRAINBUSTER NEWS

Winners at the International Eliminations Meet held in May at Fentriss, Virginia, will attend the Internationals Semi-Final Meet Saturday and Sunday at Frederick, Maryland. Winners at this meet will represent the United States at the final meets in Europe. At the Maryland meet one man in each of three categories will be selected from among winners of the recent eliminations meets held along the East Coast.

Bob Champine, Pilots; Frank Parmenter, West Machine Shop, and Warren Gillespie, PARD, will compete with other East Coasters in the Wakefield Rubber Powered Model Event. Woody Blanchard and Max Faget, both of PARD, will compete in the Nordic Glider Event. Blanchard will also compete in the F.A.I. Gas Power Event.

Although most of the Brainbusters will be competing against each other they can be expected to go all out to also help each other. In this type of competition, the team concept is prevalent and there is considerable prestige that goes to the group the winner represents as well as to himself.

WANTED: Ride from 1400 Victoria Blvd. to E.A. on 8 shift. Grow, 2356.

WANTED: Ride from vicinity of Wickham Ave. to Pembroke Ave. and Salters Creek Rd. on 8 shift



ANNUAL CARNIVAL

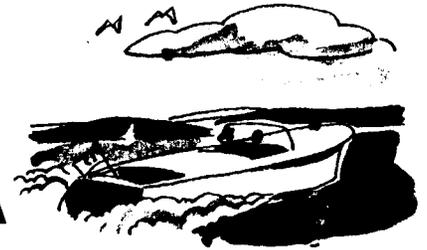
SUPER COLOSSAL

GIGANTIC MIDWAY

TERRIFIC

June 15 and 16
 Tickets 50 cents
 Available from your Representative
 or on the grounds

Activities Building Area



ALL EXPENSE TRIP FOR 2 TO **BERMUDA**

3/4 TON MITCHELL AIR CONDITIONING UNIT

COMPLETE ENSEMBLE FOR LADY OR GENTLEMAN



PLUS OTHER VALUABLE GROUND PRIZES

DANCING

BOTH NIGHTS IN THE MAIN BALL ROOM OF THE ACTIVITIES BUILDING TO THE MUSIC OF THE SKYLINERS AND THE MODERNAIRES

BRING THE WHOLE FAMILY!



AND FOR THE KIDS!-

A special roped-off area and bigger and better entertainment than ever before.

SCHEDULE OF ACTIVITIES

FRIDAY, JUNE 15, 1956

- 5:00 p.m. - Midway opens - Presto Pressure Cooker
6:00 p.m. - Ronson Shaver
7:00 p.m. - Charcoal Grill
8:00 p.m. - Dormeyer Deep Fat Fryer
9:00 p.m. - Cosco Bridge Set (Table and 4 Chairs)
10:00 p.m. - 3/4 Ton Mitchell Air Conditioning Unit
Midway Closes
Dancing 'til 1 a.m. in Activities Building

SATURDAY, JUNE 16, 1956

- 2:00 p.m. - Midway Opens - Game Set
3:00 p.m. - Universal Sandwich-Grill Combination
4:00 p.m. - Presto Steam Iron
5:00 p.m. - Aluminum Contour Chair
6:00 p.m. - Symphonic 3-Speed Record Player
7:00 p.m. - G.E. Electric Fan
8:00 p.m. - G.E. Portable Radio
9:00 p.m. - Lady's or Man's Ensemble
10:00 p.m. - Vacation Trip for 2 to Bermuda
Midway Closes
Dancing 'til 2 a.m. in Activities Building

OTHER ATTRACTIVE PRIZES WILL BE GIVEN DURING THE CARNIVAL

Persons do not have to be present to win the three grand prizes.

All other prize winning tickets must be presented by person

whose name is called or by member of immediate family.





16 APPRENTICES ON HONOR ROLL

Training officials announce that 16 apprentices finished the spring semester, February 6 through June 8, with an average of 97 or better.

Members of the Apprentice School honor roll are as follows: William D. Allison, West Sheetmetal Shop; Robert L. Belbin, Electrical Engineering Branch; James Bradshaw, West Engineering; Jackie Butler, East Engineering; Clarence Cole, Instrument Construction Shop; Raymond Grow, West Engineering; James Holt, Wind Tunnel Instrument Installation Unit; Carol Kiser, East Engineering;

Clyde May, Electrical Shop; Gordon Moore, Instrument Construction Shop; Joseph Perdue, Electrical Shop; William F. Perdue, Electronic Instrument Construction Shop; Mark Price, Wind Tunnel Instrument Installation Unit; John M. Robeson, Electrical Engineering Branch; Dave Williams, West Machine Shop, and Lawrence Williams, Equipment Engineering.

RUFUS EASTER DIES AT AGE 55

Rufus B. Easter, Maintenance Division, died Saturday in Whittaker Memorial Hospital after a short illness.

Easter was born August 19, 1900 in Greenville County. Before joining the Laboratory staff he worked five years with a local automobile exchange and from 1936 to 1952 he was self employed as a service and repair operator for juke boxes.

He entered on duty at the Laboratory on June 29, 1953 as a cleaner. He also worked part time as sectional service manager for the Warwick Music Company.

He is survived by a daughter, Suzaane D. Easter, and two sons, Richard E. Broadfield and R. B. Easter Jr.



NEW HOLD-OFF TAGS EFFECTIVE SUNDAY

N. A. C. A.  19000
HOLD-OFF-TAG
DANGER
DO NOT OPERATE

LOCATION _____ DATE _____
EQUIPMENT _____
MR. _____
TAGGED FOR SECTION _____
TELEPHONE _____
TIME _____ A. M. PROBABLE _____
P. M. TIME OUT _____
REMARKS: _____
BY _____ SAFETY OPERATOR _____

REPORTED CLEAR _____ A. M. _____ DATE _____
P. M. _____
PUT IN SERVICE _____ A. M. _____ DATE _____
P. M. _____
BY _____ SAFETY OPERATOR _____

RED HOLD-OFF-TAG STUB **19000**

LOCATION _____ IS TAGGED _____
EQUIPMENT _____
MR. _____
OUT FOR SECTION _____
TELEPHONE _____
YOU WILL BE REPORTED CLEAR UPON RETURNING THIS CARD IN PERSON, SIGNED TO THE FACILITY OPERATOR.

BY _____ SAFETY OPERATOR _____
I AM CLEAR OF THE ABOVE APPARATUS AND THE SAME IS READY FOR SERVICE SO FAR AS MY WORK IS CONCERNED.
DATE _____ SIGNED _____ WORKMAN _____

Harold R. Turner, Safety Engineer, stated that the use of the revised red "Hold-Off Tag" (shown above) will be effective throughout the Laboratory on Sunday, July 1.

Section 3 of the Laboratory's manual on "Safety Regulations Covering Operation, Maintenance and Installation of Electrical and Mechanical Apparatus and Associated Equipment" states the following concerning protection by red hold-off tags:

"The NACA red hold-off tag shall be used where determined to be necessary by the workman, his supervisor, or the facility coordinator to prevent electrical switches, air and fluid valves or similar control devices from being

(Continued on page 2)

LOCAL CHAPTER MEETS JULY 10

The Hampton Roads Chapter of the American Helicopter Society will hold a dinner-meeting on Tuesday, July 10 at the Officers Club, Langley Air Force Base.

Highlight of the program will be a panel discussion by four service representatives of four helicopter companies on "What Can the User Do to Advance the Development of the Helicopter."

Moderator for the panel will be Brig. Gen. William B. Bunker, Transportation Corps, Supply and Materiel Command. The panel will be made up of the following representatives: Carl W. Diehl, Manager of Service Department, Bell Aircraft Corporation; Allen G. Day, Service Manager, Sikorsky Aircraft Corporation; Charles L. Morris, Field Service Manager, Kaman Aircraft Corporation, and Thomas R. Pierpoint, Service Manager, Vertol Aircraft Corporation.

A cocktail hour will start at 7 p.m. and dinner will be served at 8. Persons desiring to attend the dinner-meeting are requested to make reservations with Robert Harrington, Full Scale Tunnel, 2231, or Robert Tapscott, Flight Research, 4505, by Friday, July 6.

Laboratory staff members who are officers in the local chapter are as follows: John P. Reeder, Flight Operations, chairman; Tapscott, secretary; Paul Carpenter, Full Scale Tunnel, assistant secretary, and Harrington, assistant program chairman.

LIVING QUARTERS NEEDED FOR GIRLS

The Personnel Office is seeking the help of Laboratory staff members in locating suitable living quarters for young women who are entering on duty at the Laboratory.

Employees knowing of private home owners who have rooms to rent to women are asked to contact the Employment Office, 2272.

Air Scoop, June 29, 1956
Vol. 15, Issue 26

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Service Building, telephone 2376.

Editor.....Ruth Angel Verell

Staff Photographer.....Bill Taub

Reporters.....Langley Employees

The Air Scoop is printed by the Mechanical Reproduction Staff.

LIFE AT THE LABORATORY

Wedding bells.

rang last Saturday when Betty Poe, Analytical Computing Branch, took her final vows with Franklin Edward Tillery, Hampton, at the Hampton Baptist Church. Martha Norman, Instrument Research Division, served as maid of honor.

A Laboratory romance.

reached the engagement stage when Nan Harrison, Vibration and Flutter, announced her engagement to William B. Jones, Instrument Research Division. The wedding will take place in October.

Holiday notice.

Wednesday, July 4 is a holiday which means that the Air Scoop will have to go to press a day earlier. Employees wishing to submit material for publication in the Friday, July 6 issue of Air Scoop are requested to turn it in by noon on Monday.

Dan Cupid.

scored a victory when Becky Lou Corbitt, Cascade Aerodynamics, and Donald Babb, Unitary Wind Tunnel Division, took their final vows last Saturday at the Emmaus Baptist Church in Poquoson. Jennings Duncan, West Sheetmetal Shop, served as an usher.

Midnight serenader.

Passing out cigars and candy is William Veatch, Dynamic Tunnels Operations Shop. He became the father of a daughter on Wednesday, June 20.

Another Laboratory maiden.

Jeanne McElroy, Stenographic and Clerical Section, joined the ranks of newly weds last Saturday when she said "I do" with William Charles Tison Jr., Sanford, Florida, at the First Free Will Baptist Church, Warwick. Dwight McSmith, Dynamic Model Shop, sang the wedding music.

Congratulations.

to Herman S. "Jake" Kaufman, former Langley employee and now a staff member of the Facilities Engineering Division at the Lewis Laboratory, upon receiving a 15-year meritorious service emblem. Kaufman was born in Brooklyn, New York. He attended City College and graduated from Pratt Institute. He entered on duty at Langley in May, 1941 and transferred to Cleveland with the first AERL construction group in December, 1941.

Last Sunday.

proved to be a lucky day at the Lindsey Lina household. Lina, who works at Flight Research, became the father of a new heir at 8 a.m. and that afternoon his 15-year old son, Johnny, won first place and best timing, 34.9 seconds, in the local Soap Box Derby. Johnny will represent the Tri-Cities at Akron, Ohio, on August 12 for the national All-American Soap Box Derby crown.

Weighing in.

at six pounds, fifteen ounces on Friday, June 22 was Richard Miles, new son of Richard Kurtz, West Machine Shop.

New Rocket.

Celebrating the arrival of an eight pound, four ounce son, Frederick Richard, on Tuesday, June 26 is Carl Huss, Maneuver Loads.

WANTED: Ride from 4th St. and Pembroke Ave. to W.A. on 7:30 shift. Joyce Carter, 4611.

WANTED: Ride from Raleigh Terrace to W.A. on 8 shift. Bernice Richardson, 2227 or 2202.

HIGHWAY ZOO



There are other specimens in our Highway Zoo, of course, but the one animal no person tries too hard to emulate is the horse. This would require horse sense, and that is a very tough traffic achievement these days.

HOLD-OFF TAGS

(Continued from page 1)

operated when such operation could result in injury to personnel or damage to equipment.

"No person, regardless of position or authority, shall operate any switch, valve or equipment which has an official red hold-off tag attached to it, nor shall such tag be removed except as provided by section 5.

"No person shall work on any equipment which requires a hold-off tag unless he, his immediate supervisor, or project leader, or a subordinate, has in his possession the stubs of the required hold-off tags."

FOR SALE: Single bed with foam rubber mattress. Hess, H-35376.

WANTED: Alternate driver for 3-car combination from Newport News Ave. to W.A. on 8 shift. McLaughlin, 4510.

FOR SALE: "Wind Tunnel Testing" by Pope. Training Office, 2256.

WANTED: Ride or driving combination or passengers from Ft. Eustis or Lee Hall to W.A. on 8 shift. Harris, 4462.



The next Southeast Virginia Radio Control group meeting has been postponed from its regular first Tuesday of the month schedule to avoid conflict with the July 4th holiday plans. It will be held on Tuesday, July 10 at 8 p.m. in the Activities Building. The meeting will be devoted primarily to final plans for the club's fourth annual Radio Control Roundup which has been set for July 28 and 29 at Langley Air Force Base. Also included on the agenda will be a discussion of plans for the test flights of the 12-foot club glider prior to demonstration flying at the roundup.

Among new Radio Control models currently being checked out is a Sea Cat by Ivan Beckwith, Supersonic Aerodynamics. This is a 5 1/2-foot span 4 1/2-pound flying boat model with an NACA type planing tail hull. Fitted with a conventional landing gear, the plane last week made five successful R.O.G. flights. The control system for this model is an original simplified dual type providing proportional pulse rudder control and trimmable elevator control.

LANGLEY LAB IN RETROSPECT

Remember thirteen years ago it was announced that the "Air Scoop", which was called the "Bulletin" in those days, would be published weekly and publication day would be Saturday?

Remember eleven years ago when the President signed a bill allowing an average 15.8 percent gross increase to all Government employees. The bill provided the first overall Civil Service raise since 1923. Also included in the bill was true time and one-half for overtime on all salaries not exceeding \$2,900 base pay and an additional ten percent for night work.

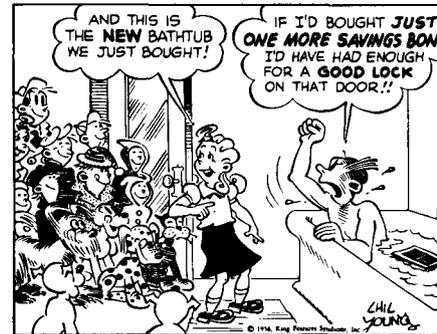
FOR SALE: 1955 Pontiac convertible. Collie, H-8668.

FOR SALE: 24 cubic foot upright Farm and Home freezer - \$150. Art Lamboitte, W-82106.

FOR SALE: 10 aluminum tension screens sizes 24 by 54, 28 by 54, 32 by 54, 28 by 39, and 32 by 39, \$2 each. Evans, W-80483.

FOR SALE: Boy's 16-inch bicycle - registered. Huffman, Hampton 8401 after 5 p.m.

BLONDIE



DANCING CLASSES START ON JULY 11

Cecil Burtner, chairman of the social committee, announced that the Activities Association will sponsor the second in a series of dance instruction classes at the Activities Building on Wednesday nights. Wally Evans, a former instructor for the Arthur Murray Studios, will teach the class and both beginners and advanced students are eligible to enroll.

A fee of ten dollars per person for ten lessons will be charged. Each individual must have a partner; therefore, the class will be open to couples only. Classes will meet on Wednesdays from 8 to 9 p.m. and the starting date is Wednesday, July 11.

Persons desiring to enroll in the class are requested to indicate their interest by sending a memorandum to Cecil Burtner, Flight Operations, by the close of business on Monday, July 9.

FOR SALE: 1951 Willys 1/2 ton pickup truck, King, H-6667.

FOR SALE: Lady's Wilson golf clubs- 2 woods and 5 irons, also tennis racket. Freeman, H-6014.

FOR SALE: 17-inch table model TV, \$45. Bennett, H-34397.

WANTED: Ride or driving combination from vicinity of E St., Copeland Pk. and Briarfield Rd. to W.A. on 7 shift. Ferree, 4460 or NN-42188.

by CHIC YOUNG

SOFTBALL NEWS

Only two games were played in the Softball League last week. Instrument Research managed to stay in first place by defeating Structures 10-9. Lemuel Forrest was the winning pitcher and Walter Illg hurled for the losers. Highlights of the game were 2 doubles by Illg, a double and a triple for Lloyd Keaffer, a triple by Jay Caldwell, a home run by Dick Kurtz, and a double by Ira Hoffman.

Stability hung on to second place by trouncing an undermanned PARD team 16-2. Tommy Andrews pitched for the winners and Russel Clickner served on the mound for the losers.

STANDINGS

Team	W	L	Avg.
IRD	5	1	.833
Stability	4	1	.800
Flight	3	2	.600
ANGUS	2	3	.400
PARD	1	4	.200
Structures	1	5	.166

FOR SALE: 3 bedroom brick house in Raleigh Terrace, Erwin, H-32219.

FOR SALE: Venetian blinds. Muller, H-38172.

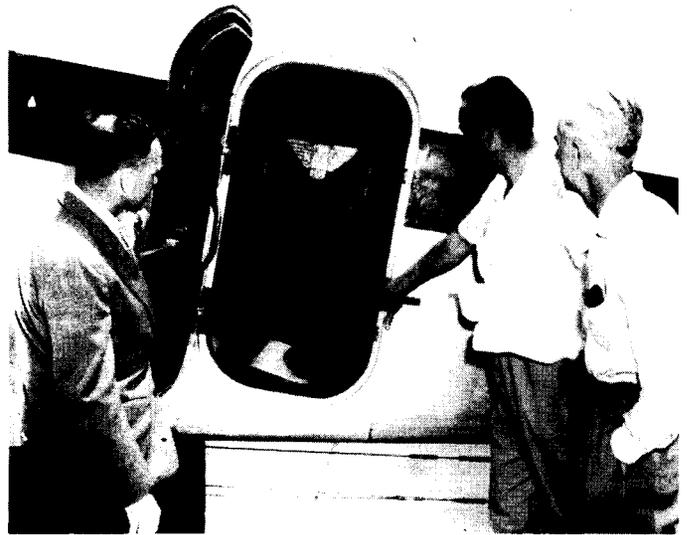
FOR SALE: Pheasants, chicks, eggs, incubator, and other equipment. Perdue, Seaford 3820.

FOR SALE: 1/4 ton trailer - \$25. Bell, Warwick 8-3549.

FOR SALE: 1948-49 4 door Dodge. Lail, 304 Cynthia Dr.



Left photograph - Tom Brady and Young Houston, present and past crew chiefs of NACA's "99" airplane, share in the honors as Jack Caldwell, head of Flight Maintenance, is presented with the 15-year plaque by Hartley A. Soule, Assistant Director, while Jack Reeder, head



of Flight Operations, and Bill Gracey, lend support to the occasion. Right photograph - Looking on as Tom Brady mounts the 15-year plaque on the Lockheed airplane are (from left): Jack Reeder, Young Houston, and Jack Caldwell. --Photos by Sopstyle

15-YEAR PLAQUE HONORS NACA'S LOCKHEED 12

Flight Research Division recently honored its Lockheed 12 airplane with a 15-year plaque in recognition of its status as the airplane with the longest record of continuous NACA service. The eight place plane is a utility transport powered by two 450 hp Wasp engines and has a 50-foot wingspan and 36-inch length. It was purchased by the NACA as a brand new product of the Lockheed Aircraft Corporation and arrived at Langley from California on May 30, 1941, having been flown by Melvin N. Gough, then chief test pilot and now chief of the Flight Research Division.

Assigned NACA serial No. 99, the Lockheed was promptly put to work and for several years served as the only Langley utility transport airplane in NACA service. Late in World War II and thereafter, the workload was eased by the addition of C-47, R4D and JRF airplanes, but old "99" continued in regular service and still is one of the most frequently flown NACA aircraft. It has accumulated over 2,200 flight hours and is well along on its third set of engines. Originally a twin rudder design, "99" was modified by NACA early in its career by the addition of a third

vertical fin for improved flight characteristics.

Young V. Houston served in the capacity of Lockheed crew chief during its first five years. Tom Brady, current crew chief, has had the job for approximately six years and is at present being understudied by Walter Felker. Among many others who have shared the job of helping to keep "99" flying during the 15-year period, Al Murden and Jim Michael also served as crew chiefs.

FOR RENT: 4 room apartment in Wythe. Beddoes, NN-20774.

FOR SALE: Handy Billy gasoline pump, 60 gallon capacity, 100 lb. discharge pressure and powered with 9.8 Johnson motor. Priddy, Hampton 3-5148.

WANTED: Ride or driving combination from Alleghany Rd. to W.A. on 8 shift. Woods, H-36670.

WANTED: Ride or driving combination from Marshall St. and Briarfield Rd. to W.A. on 7:30 shift. Riddle, 4611.

WANTED: Ride or driving combination from East Ocean View Avenue, Norfolk to W.A. on 7 shift. Carl Wood, 4489.

FOR SALE: Irish Setter puppies - AKC registered. Yates, H-30297.

FOR SALE: Garrard RCA-80 changer - 3 speeds. Shelby, NN-31729.

OUTDOOR CONCERT SET FOR JULY 7

David M. Goldenbaum, Tank No. 1, announced that the second annual outdoor concert of the Summer Chamber Players will be held on Saturday, July 7 at 8:15 p.m. at the Jewish Community Center, Newport News.

The outdoor concert features Mr. and Mrs. Harold Chapman, piano and violin concert artists, with Mrs. Henry V. Hooper, cello, Alan Stuart, viola, Dr. and Mrs. Irvin Berlin, violin and flute, and Gerald Berlin, clarinet.

NACA music lovers may obtain tickets from Goldenbaum who is a member of the Concert Committee. General admission is seventy-five cents per person.

FOR SALE: 3 bedroom house with utility room. Lambroff, H-39126.

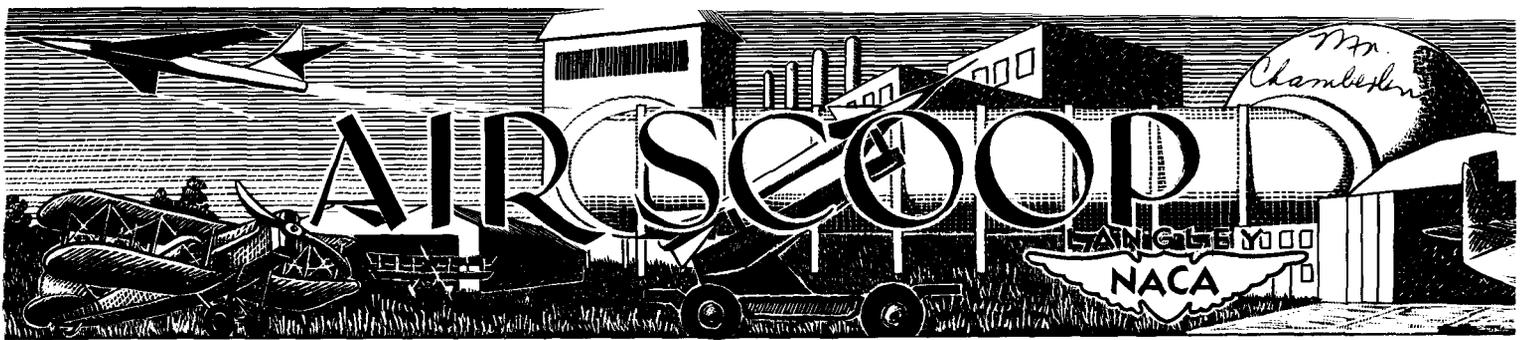
FOR RENT: Rooms for girls - kitchen privileges. Mrs. C. E. Fahrney, 31 Stratford Rd., Warwick - 8-1725 after 5 p.m.

FOR SALE: Winchester model 75 target rifle. Segall, H-4156.

WANTED: Home for 3 kittens. Baldrée, H-37019.

FOR SALE: Matched set of 8 Wilson golf irons. Johnson, H-34068.

WANTED: Home for kittens. Fricke, H-8982.



HELICOPTER SOCIETY MEETS NEXT TUESDAY

Members of the Hampton Roads Chapter of the American Helicopter Society are reminded that a dinner-meeting will be held on Tuesday at the Langley Officers Club.

A cocktail hour will start at 7 p.m. and dinner will be served at 8. Persons planning to attend are requested to make reservations with Robert Harrington, Full Scale Tunnel, 2231, or Robert Tapscott, Flight Research, 4505, by the close of business today.

The main feature of the program will be a panel discussion by four service representatives of four helicopter companies on "What Can the User Do to Advance the Development of the Helicopter."

Moderator for the panel will be Brig. Gen. William B. Bunker, Transportation Corps, Supply and Materiel Command.

DANCING CLASSES OFFERED EMPLOYEES

Staff members interested in learning to dance are reminded that the Activities Association will sponsor the second in a series of dance instruction classes at the Activities Building on Wednesday nights. Wally Evans, a former instructor for the Arthur Murray Studios, will teach the class.

A fee of ten dollars per person for ten lessons will be charged. Each individual must have a partner; therefore, the class will be open to couples only. Classes will meet on Wednesdays from 8 to 9 p.m. and the starting date is Wednesday, July 11.

Persons desiring to enroll in the class are requested to indicate their interest by sending a memorandum to Cecil Burtner, Flight operations, by the close of business on Monday, July 9.

X-RAY SURVEY STARTS JULY 24

James C. Tingle, Health Officer, announced this week that preparations are being made by the Laboratory's Health Unit in cooperation with the Virginia State Department of Health, Division of Tuberculosis Control, for the annual chest X-ray survey of Laboratory employees. The survey will start on Tuesday, July 24 and continue through Friday, August 3.

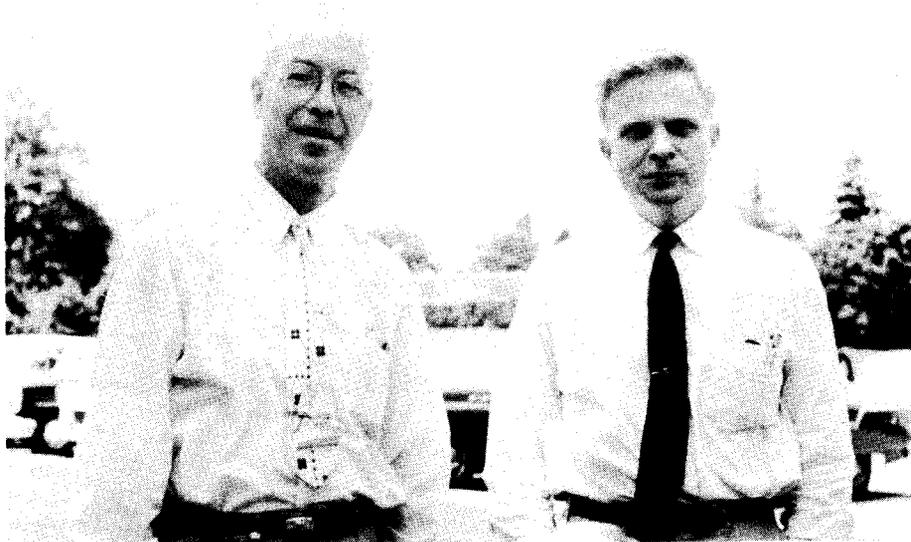
It is planned to use the same locations as in previous years with employees in the East Area being X-rayed in the East Dispensary located in the Utility Building and the West Area employees being served in the lounge room of the Activities Building.

As has been customary for the past several years, there will be no charge for this service and disrobing will not be necessary.

Although participation in the X-ray survey is entirely voluntary, it is strongly recommended that each employee avail himself of the opportunity of obtaining this valuable diagnostic service without cost or loss of time to himself.

For the past few years the survey has received an excellent response. Last year approximately 95 percent of the staff members on duty on the survey days participated in the X-ray program. It is hoped that this year even a larger percentage of personnel will report for a check as early case-finding may save months or years of treatment and expense, and may prevent communicating the disease to children, most of whom contact the disease from adult contacts.

Notice will be given by telephone to each section head at the time the employees in his section are to report to the designated locations. The complete dates that the survey will be conducted and the hours that the X-ray clinic will be open will be announced in next week's edition of Air Scoop.



Two Laboratory doctors, Dr. H. J. E. Reid (left), Director, and Dr. Richard T. Whitcomb, assistant head of the 8-foot Transonic Tunnels Branch, met recently on the campus of their alma mater at Worcester Polytechnic Institute. Whitcomb was guest of honor at the alumni luncheon on Saturday, June 16 and the following day he was awarded an honorary degree of Doctor of Engineering by W.P.I. Whitcomb was the second Laboratory staff member to be presented an honorary degree by the Massachusetts school. The first to be so honored was Dr. Reid who received an honorary Doctor of Engineering degree in February 1946. The above photo was taken by Harold Crane, Flight Research Division, who is also an alumnus of W.P.I.

Air Scoop, July 6, 1956
Vol. 15, Issue 27

LANGLEY AERONAUTICAL LABORATORY

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Service Building, telephone 2376.

Editor.....Ruth Angel Verell
 Staff Photographer.....Bill Taub
 Reporters.....Langley Employees
 The Air Scoop is printed by the Mechanical Reproduction Staff.

LIFE AT THE LABORATORY

New pin-up.

Announcing the arrival of a five pound, thirteen ounce daughter, Kathleen Marie, on Sunday, July 1 are Mary, formerly of Personnel Records, and George Lemke, West Machine Shop.

During his travels.

the stork stopped by the Bob Fansler household on Saturday, June 23 and delivered a new daughter. The proud father works in Unitary Wind Tunnel Division.

Congratulations.

to Harry Bickford, East Sheetmetal Shop, upon winning first place in the E service runabout class in the 29th annual Hampton Power Regatta held last week-end. Bickford in his boat "Skip" won both heats to mark the third straight time this season that he has bested his opposition in both heats. He now has a total of 2,400 points toward the national high-point trophy for E service runabouts.

The pay day.

game night, sponsored by the Activities Association, will be held on Thursday, July 12 at 8 p.m. in the Activities Building.

Weighing in.

at seven pounds, thirteen ounces on Friday, June 29 was Gary Lee, new son of Juanita, formerly of Impact Basin, and Maynard E. Buckley, Loads Calibration.

NACA music lovers.

are reminded that the second annual outdoor concert of the Summer Chamber Players will be held tomorrow at 8:15 p.m. at the Jewish Community Center in Newport News. Members of the group are Mr. and Mrs. Harold Chapman, piano and violin concert artists; Mrs. Henry V. Hooper, cello; Allan Stuart, viola; Dr. and Mrs. Irvin Berlin, violin and flute, and Gerald Berlin, clarinet. General admission is seventy-five cents per person and tickets may be obtained from David M. Goldenbaum, Tank No. 1.

Dan Cupid.

scored a victory when Gordon Owsley, West Machine, took his final vows with Agnes Darlene Dingus, Warwick, last Saturday at the Temple Baptist Church, Warwick.

Diaper Line.

Passing out cigars and candy is Harold I. Johnson, Flight Research Division. He became the proud father of a new daughter on Sunday, July 1.

Visiting the Laboratory.

from Washington Headquarters are A. J. Evans, Curtis L. Walker, and P. M. Lovell, formerly of Free Flight Tunnel.

FOR SALE: 100 feet single picket wire fence and 10 steel posts - \$15. Liddell, 112 Patrician Dr.

FOR SALE: "Some Basic Problems of the Mathematical Theory of Elasticity" by Muskhelishvili. Training Office, 2256.

WANTED: Ride or driving combination from E St., Copeland Pk. and Briarfield Rd. to E.A. on 7 shift. Ferree, 4460 or NN-42188.

WANTED: Sears Roebuck window fan and porch glider. Hogan, Newport News 2-5010.

FOR RENT: 4 bedroom cottage near Virginia Beach, Michael, W-80870.

WANTED: Ride from Lynnhaven Dr. to W.A. on 8 shift. Smith, 4558 or Warwick 8-4035.

FOR SALE: 3 bedroom house in Winchester Pk. Bragg, W-80022.



PHOTOGRAPHY CLUB ELECTS OFFICERS

Newly elected officers of the NACA Photography Club will be installed at the regular meeting on Monday, July 9 at 7:30 p.m. in the Activities Building. Edwin Davenport, 7 by 10-foot Wind Tunnels, has been elected president for the coming year. Other officers are Abe Leiss, Pilotless Aircraft Research, vice president; Robert Magee, West Sheetmetal Shop, secretary, and Pat Gainer, Flight Research, treasurer.

The first black and white print contest held by the club will be judged at the meeting by members of the James River Camera Club.

Persons planning to enter the contest are reminded to submit their prints mounted on 16 by 20 mounting board to Walter Ellis, Instrument Research, or Sidney Hall, Generating Plant, by the close of business today.

WILL TRADE OR EXCHANGE: 16-inch Westinghouse portable window fan and pay cash difference for good shot gun. Downing, 325 50th St.

LANGLEY YACHT CLUB PLANS ANNUAL REGATTA

The Langley Yacht Club will hold its second annual power boat regatta on Saturday and Sunday, July 7 and 8. The races will be held on a 4-lap course in the southwest branch of the Back River and it has been approved to run for records by the American Power Boat Association.

Classes to be included in the regatta are as follows:

Saturday, July 7 - outboards: AU, BU, CU, DU, ASH, DSH, and ESH.

Sunday, July 8 - inboards: 48 cubic inch hydros, 136 cubic inch hydros, 225 cubic inch hydros, 135 cubic inch hydros, 266 cubic inch hydros, and D. E. & F. service runabouts.

Registration of drivers will be at 10 a.m. each day at the Langley Boat House. Races will begin at 1 p.m. each afternoon.

A contest is being held to select a queen of the regatta. She will be crowned at a supper dance on Saturday, July 7 which will be sponsored by the Langley group for persons participating in the races and for Langley Yacht Club members. The queen will reign over the entire regatta and will award the trophies to the winners in the various classes. In addition, a 14-foot Torpedo Aristocraft with a Mark 55 Mercury 40 hp outboard engine and a Tee Nee trailer will be awarded as a door prize.

Chairman of the power boat racing committee is Major William O. Wilson. Frank Glynn, IRD, is Commodore of the Yacht club. Other officers are as follows: William Curry, vice commodore; Capt. Milton Pulch, rear commodore; First Lieutenant Lee Cohen, treasurer, and Major Vera E. von Stein, secretary.

Persons desiring further information may contact Major von Stein at Headquarters Tactical Air Command, Building #1, telephone extension 22153 or at P.O. Box 853, Langley Air Force Base.

All members having tickets are requested to turn them immediately.

WANTED: Ride from Buckroe to E.A. on 8 shift. Olney, 2268.

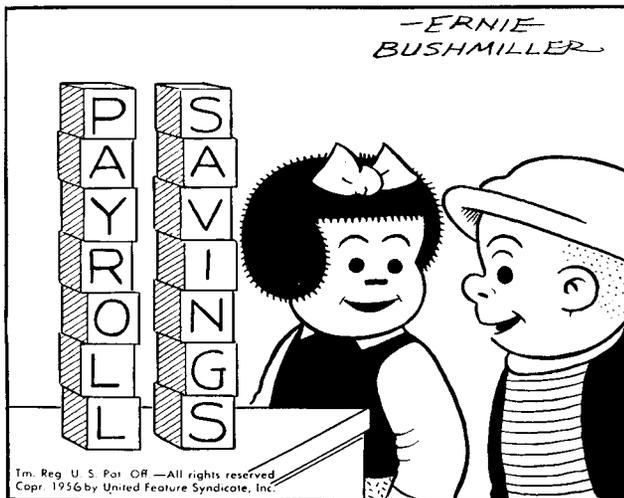
FOR SALE: 4 used 7.10 by 15 tires - \$20. Snyder, W-85064.

WANTED: 21-inch console T.V. set. Laband, 22 Forrest Dr., Warwick.

FOR SALE: 2 small radios, portable typewriter, 2 burner hot plate, 10 cubic foot freezer, ping pong table, odd tools and building material. Yntema, W-81374.

NANCY

by ERNIE BUSHMILLER



FOR THE
BIG
THINGS
IN YOUR
LIFE
BE
READY
WITH
U.S.
SAVINGS
BONDS

SOFTBALL NEWS

Flight managed to capture second place this week by defeating Structures 18-1 and Stability 9-2. Ted Skopinski was the winning pitcher in both games while Manny Stein lost for Structures and Tommy Andrews for Stability. Skopinski allowed only 2 hits against Structures and was backed up by brilliant fielding and hitting. Outstanding for Flight in the field were Bob Sommers and George Hurt.

Hurt also got a triple and two singles for four trips to the plate. Flight's win over Stability was their fourth victory in a row. Skopinski allowed only 5 hits. Bill Knepschild and Tom Gainer were excellent in the field and Bob Petynia and Knepschild provided the support at the plate with three hits each out of four trips to the plate.

IRD took a 13-8 win over the ANGUS team. Lemuel Forrest was winning pitcher and Bob Swain served on the mound for the losers. The hitting power was provided by Russell Hopko and Bob Babington for the ANGUS with a triple each

and John Thomson and Bill Fox scored doubles for IRD.

Team	STANDINGS		Avg.
	W	L	
IRD	6	1	.856
Flight	5	2	.714
Stability	4	2	.667
ANGUS	2	4	.333
PARD	1	4	.200
Structures	1	6	.143

FOR SALE: 2 25hp 1955 Johnson Seahorse outboard motors - \$400 and \$375. Floyd, H-4004.

FOR SALE: 3 bedroom brick rancher in Wilkins Pk. Byars, H-35206.

WANTED: Apartment size washing machine. Dowe, NN-31858.

FOR SALE: 37-foot boat with 40 hp Marine engine. Smith, Poquoson 4962.

FOR SALE: 20-inch Pincor power lawn mower - \$40, 80 feet of Neoprene garden or air hose - \$3.50. Girouard, Hampton 7778.

FOR SALE: Bathinette and bottle sterilizer. Halliday, H-35709.



During the month of June two staff members were presented 15-year service emblems by their respective division chiefs. Left photograph - T. Melvin Butler, chief of Personnel Division, pins a 15-year service

pin on the coat lapel of J. Norwood Evans, Placement Officer. Right photograph - Marvin Forrest, chief of Maintenance Division, congratulates Franklin Pressey on completing 15 years of service with the NACA.

TWO PRESENTED 15-YEAR EMBLEMS

During the month of June two staff members were presented 15-year meritorious service emblems by their respective division chiefs.

Joining the 15-year group were J. Norwood Evans, Personnel Division, and Franklin H. Pressey, Maintenance Division.

Evans was born in Dare. He graduated from Hampton High School and received his B.A. degree in Social Science from Randolph Macon College. Before joining the Laboratory staff he taught mathematics for four years at George Wythe Junior High School. He entered on duty June 6, 1941 as a junior mechanical engineering aide. He was appointed head of the Employment Section in 1947 and was named Placement Officer in 1951.

Pressey is a native Hamptonian. Before joining the Committee he worked as a janitor at George Wythe Junior High School from 1923 to 1941. He entered on duty May 22, 1941 as a laborer.

WANTED: Ride from 23 Freeman Dr. to W.A. on 8 shift. Branham, 2225.

WANTED: Rotary lawn mower in good condition. Crane, H-32535.

FOR SALE: Nadco caddy cart. Crane, H-32535.

WANTED: 2 drivers to join combination from vicinity of Southampton, Sussex Hampton or Merrimac Shores to W.A. on 8 shift. Alexander, 2242 or Hampton 6448.

LANGLEY LAB IN RETROSPECT

Remember 12 years ago when the news that the B-29 Superfortress was the first military airplane in the world to be equipped with a pressurized cabin made headlines.

In commenting on the news concerning the Superfortress, the late Colonel Carl F. Green, former Materiel Command Liaison Officer at the Laboratory, 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.

It was obvious to the late Col. Greene that if higher level operations were to be successful, it would be necessary to afford the personnel concerned with more efficient and trustworthy protection from the rarified atmosphere in which they would travel.

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 before it was first incorporated in the XC-35 stratosphere airplane in 1938.

WANTED: Alternate drivers from vicinity of Cherokee Rd. and LaSalle Ave. to E.A. on 8 shift. Sisson, Hampton 5313.

EMPLOYEES PLACE IN BOAT REGATTA

Several Laboratory employees and Langley Yacht Club members placed in the Portsmouth Regatta which was held last Saturday and Sunday.

Bunny Klawans, Flight Research, took second place in the Hampton One Design class.

Tom Colvin, husband of Jean Colvin of Research Records, took first place in all three heats in the Knock-about class with his 16-foot "Ebon Hawk". Tom designed his own boat which recently won first place in the International Design Contest which was sponsored by "Boats Magazine".

In the Town class Lieutenant Fred Gardner placed first and Lieutenant Bob Momeier came in second.

One of the outstanding features of the day was a rowing contest for women. The contest consisted of 4 heats, 2 semi-final events and the finals. Mrs. William Johnson, Langley Yacht Club, won by 6 inches.

FOUND: Dark glasses on softball diamond. McComb, 4649.

FOR SALE: Two 16-inch wheels - \$1 each complete with tires and tubes. Bluntschli, H-4587.

FOR SALE: 14-foot Wrightsville Sound runabout with center deck, 3/8" plywood hull and 1955 16 hp Scott-Atwater motor with low pitch 3-blade prop for towing water skis and 2-blade utility prop. Also anchor, oars and 2 kapok cushions - \$450. Major Goppert, Langley 21144 or Hampton 3-8976.



X-RAY SURVEY NOW UNDERWAY

Two technicians representing the Virginia State Department of Health began the Laboratory's annual X-ray survey last Tuesday and in eight hours of actual operation had served 684 employees in West Area.

The two health department representatives are Ralph Conner and Duke Laftis.

The group expects to complete the survey of West Area employees this week and the equipment will be moved to Wallops Island on Monday. Staff members in the East Area will be X-rayed on July 31, August 1 and 2.

The clinic will be open each
(Continued on page 4)

Air Scoop, July 27, 1956
Vol. 15, Issue 30

OFFICES LOCATED IN NEW QUARTERS

A number of offices are being moved to new quarters in the Langley Laboratory Headquarters building and the Landing Loads Track in West Area. The new locations and telephone numbers will be effective next Monday.

The following offices will be located in the Langley Laboratory Headquarters building: Director, Room 206; Assistant to Director, 204; Secretary to Director, 205; Budget Office, 201; Associate Director, 208; Assistant Director (Stack), 211; Assistant Director (Soule), 213; Assistant Director (Gilruth), 217; Technical Assistant, 214; Executive Assistant, 102; Secretary, 209; Research Records, 210; Research Staff Office, 218; Chief of Technical Services,
(Continued on page 4)

THREE RECEIVE 30-YEAR PINS

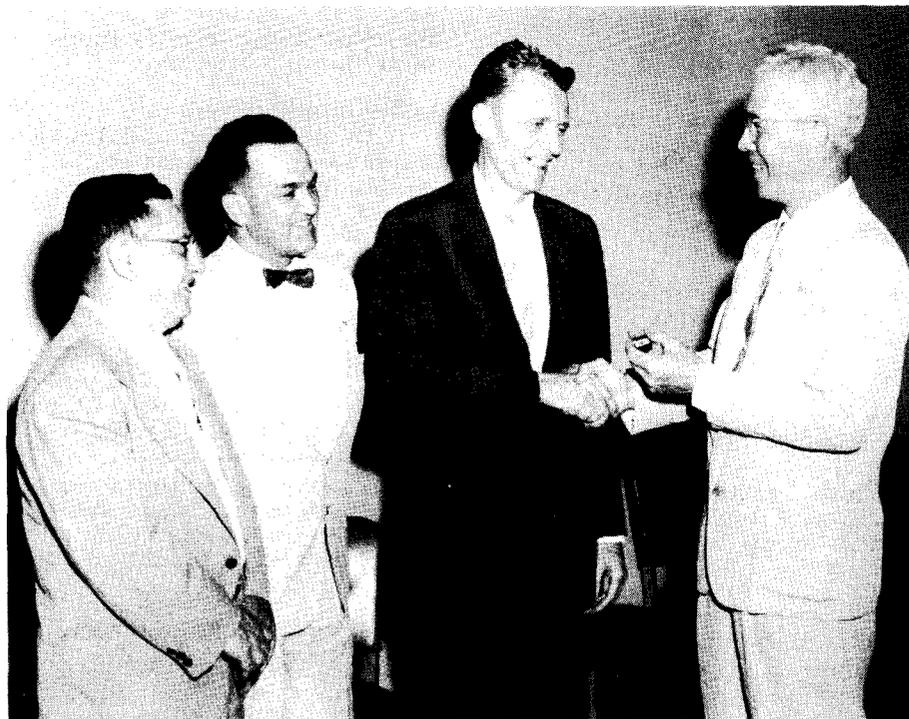
In informal ceremonies held Monday in the West Cafeteria, Dr. H. J. E. Reid, Director, presented 30-year service emblems to three staff members.

Receiving the diamond-studded pins were Floyd L. Thompson, Associate Director; Melvin N. Gough, Chief of Flight Research Division, and Harold Q. Westcott, Superintendent of Aeronautical Laboratory Mechanics in the Stability Tunnel.

Thompson was born in Salem, Michigan. He received his B.S. degree in Aeronautical Engineering from the University of Michigan in 1926 and joined the Laboratory staff as an aeronautical engineer in the Flight Research Division on July 8, 1926. On July 5, 1940 he was appointed head of Flight Research, was named Assistant Chief of Research in 1943 and appointed Chief of Research on July 23, 1947. He became Associate Director on September 28, 1952.

Gough is a native of Anacostia, D. C. He attended Johns Hopkins University and received his B.S. degree in Mechanical Engineering in 1926. He entered on duty at the Laboratory on July 23, 1926 as a junior mechanical engineer at the Propeller Research Tunnel. He transferred to Flight Research Division on February 19, 1929 and served as chief engineering test pilot for many years before assuming charge of the Flight Research Division on July 17, 1943. In 1941 the Institute of the Aeronautical Sciences presented him the Octave Chanute Award for "outstanding contributions in the field of aeronautics".

Westcott was born in Syracuse, New York. He attended Rugby Preparatory School and served in the U.S. Army from September 6, 1918 to August 12, 1919. He served two years at the Newport News Shipbuilding and Dry Dock Company and joined the Laboratory staff on July 16, 1926 as a machinist helper at the Machine Shop. He transferred to the Erection Shop on May 27, 1940 and was assigned to the Stability Tunnel October 17, 1945.



In informal ceremonies held last Monday three employees were presented 30-year service emblems. In the above photograph Dr. H. J. E. Reid (right), Director, presents a diamond-studded 30-year pin to Floyd L. Thompson while Harold Q. Westcott (left) and Melvin N. Gough look on.

LANGLEY AERONAUTICAL LABORATORY

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Service Building, telephone 2376.

Editor.....Ruth Angel Verell

Staff Photographer.....Bill Taub

Reporters.....Langley Employees

The Air Scoop is printed by the Mechanical Reproduction Staff.

LIFE AT THE LABORATORY

Walking on air.

but still in a state of shock is Donald Wright, West Machine Shop. He and his wife had hoped to bring home a new sister for their three sons but the boys are getting three sisters instead of the expected one. The triplets were born on Friday, July 20 and they weighed in at 4 pounds, 15 ounces; 4 pounds, 13 ounces, and 3 pounds, 1 ounce. They have been named Shari, Joyce, and Beth. As far as our researchers and statisticians could determine, this sets a new NACA record in the Diaper Line department.

Word.

has just reached the Laboratory that Merle Ott, Full Scale Tunnel, became the mother of a son on Saturday, July 21.

The Singleton Club.

will sponsor a beach party on Saturday, August 4 at 3:30 p.m. at Grand View. Tickets are available to members and their guests for one dollar per person. The admission price will include food and drinks.

Celebrating.

the arrival of a seven pound, nine ounce son, William Francis, on Sunday, July 22 are Vivian, formerly of General Services Division Office, and Chester Roberts, West Machine Shop.

Congratulations.

to Frances A. Jackson and Albert M. Lord, former Langley employees, upon receiving 15-year service pins at Lewis Laboratory. Miss Jackson is a native of Providence, Rhode Island. She received her M. Arch. degree from Smith College and joined the Langley staff in June, 1941. She was among the first group transferring from Langley in December, 1941 who designed the buildings of Lewis Laboratory. She is assigned to the Facilities Engineering Division. Lord is a native of Manhattan. He received his B.S. degree in Mechanical Engineering from New York City College and joined the staff at Langley on June 24, 1941 and transferred to Cleveland in December, 1941. He is a staff member of the Fuels and Combustion Division.

Weighing in.

at seven pounds, six ounces was a new daughter who arrived at the Joseph Drischler household on Wednesday, July 18. The proud father works in Dynamic Loads Analysis.

Congratulations.

to Ida Young, head of the Editorial Office, upon winning third place with an oil painting in an art exhibit sponsored by the South Atlantic Regional Conference of the American Association of University Women. The exhibit was held in conjunction with the regional meeting at Huntington, West Virginia, on July 14 through July 17. Ida, a member of the Hampton branch, has exhibited her paintings at many Peninsula shows.

Diaper Line.

Announcing the arrival of a seven pound, seven ounce daughter, Anna Louise, on Tuesday, July 24 are Mary, formerly of Research Records, and Bill Carroll, Unitary Plan Wind Tunnel Division.

Another proud father.

who is passing out cigars and candy is Charles Valade, Machine Computing. He became the father of a son on Monday, July 23.

During his travels.

the stork stopped by the Herbert Leybold household on Saturday,



Pete worries about ladders-- says they are dangerous. . .



July 21 and delivered a new heir. The proud father works in Structures Research Division.

Notice to Boat Owners.

All military and civilian personnel having boat slips at the Special Services Boat House or mooring their boats in the vicinity of the Boat House are asked to contact M/Sgt. Rand, Langley Field extension 3208..

Night Howl.

Walking the floor nights is Gordon E. Moore, Instrument Construction. He became the father of a son on Sunday, July 22.

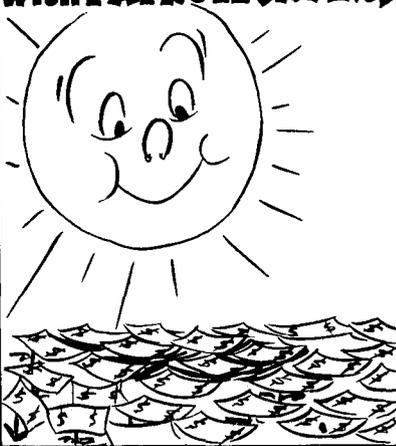
WANTED: Alternate driver from vicinity of Elizabeth Rd. or Armstrong Dr. and Kecoughtan Rd. to Flight Research on 8 shift. Retha Shirkey, 4787.

WANTED: Ride from Hampton Roads Ave. to W.A. on 8 shift. Burriss, H-33162.

WANTED: Alternate driver from Southampton or vicinity to W.A. on 8 shift. Hastings, 4427.

FOR SALE: Westinghouse Rotisserie-\$25. Topping, Poquoson 6011.

**Always good
growing weather...
with PAYROLL SAVINGS**



**Buy U.S. Savings Bonds
REGULARLY**

CARNIVAL FINANCIAL REPORT

June 15 and 16, 1956

INCOME

Ticket Sales (50 cents each).....	\$2,193.50
Main Midway Booths.....	1,936.60
Children's Area.....	619.10
Food, Drinks, Bar.....	1,230.84
Total Income.....	\$5,980.04

COSTS

<u>Children's Area</u>	
Prizes.....	\$ 761.61
Rental of Merry Go Round.....	55.00
<u>Main Midway</u>	
Travel, Tickets, Insurance, etc.....	127.68
Prizes.....	2,157.32
<u>General Carnival Expense</u>	
Bands - 2 nights.....	273.00
Equipment Rental, etc.....	40.00
<u>Labor</u>	
Bar and Kitchen.....	276.46
Building and Dismantling Booths.....	431.37
<u>Food, Drink, Bar Supplies</u>	
Food and Drink for sale.....	1,371.46
Free Food and Drink for Workers.....	300.55
Total Expense.....	\$5,794.45
NET PROFIT FOR CARNIVAL	<u>\$ 185.59</u>

JUNIOR BOWLERS TO FORM LEAGUES

Two sessions to organize Junior bowling will be conducted by the Phoebus Tenpin Bowling Association and the Phoebus Women's Tenpin Bowling Association and staff members are invited to attend. The first session will be held at the John M. Willis School in Hampton at 7:30 p.m. on Friday, August 3 for the Hampton area and at the Mount Carmel School in Warwick at 7:30 p.m. on August 3.

Two films, "America Bowls" and "Young America Bowls", which will be of interest to both Junior and Adult bowlers will be shown. It is requested that parents accompany children, if possible.

The rules of the American Junior Bowling Congress will be explained to the parents. All activities of the Junior bowlers will be supervised by responsible adults and instruction schools will be operated for all who register. Plans are to organize leagues in both Hampton and Warwick for two age classes at each of the two bowling alleys.

Age groups will be as follows:

Bantam Group - any child who will have reached his 10th but not his 14th birthday by March 1, 1957.

Junior Group - Juniors who will have reached their 14th but not their 18th birthday by March 1, 1957.

Additional information may be obtained from Mike Panz, Hampton 3-2274.

FOR SALE: 12-foot sailing dingy with vee bottom and no mast - \$30. Wood, W-83445.

CREDIT UNION NOTICE

Members of the Credit Union are reminded that pay checks will be cashed only for the purpose of making a deposit of \$5 or more or making a payment on a loan. Although this rule has been in effect for some time, exceptions have been made. Due to the present large volume of business, it has become necessary to apply the rule in all cases.

Credit Union officials stated that fines for late payments on loans should not be regarded as a mere "service charge" of no consequence. Accumulation of too many fines will go against a member's credit standing so that difficulty may be experienced on subsequent loan applications. If unforeseen circumstances are likely to cause a tardy payment, members are requested to telephone the Credit Union office in advance.

FOR SALE: Wesbar auto top carrier for boat, 56-inch bar width, clamps to car no suction cups - \$11. Braun, H-37159.

FOR SALE: 4 used tires 760 by 15 - \$12. Tankersley, NN-42370.

WANTED: Alternate driver from Sinclair Circle area to W.A. on 8 shift. Weinflash, 4796.

WANTED: To join driving combination from vicinity of Southampton, Sussex Hampton, Merrimac Shores or LaSalle Ave. to W.A. on 8 shift. Alexander, 2242 or Hampton 6448.



The Fourth Annual Radio Control Roundup is set for this weekend at Langley Field. Flying is scheduled to start at 9 a.m. tomorrow in the lighter-than-air area and will continue until 6 p.m. At 8 p.m. tomorrow a technical session will be held in the Activities Building. This will feature several talks by members of the Southeast Virginia Radio Control group, plus the showing of movies. Sunday morning flying will resume and continue until dusk.

At least a dozen local models will be on hand and a like number from out of town are expected. Last year the best performance was put on by a flyer from Georgia. With a semi-scale dub type model he demonstrated realistic takeoffs, landings, touch and go approaches, loops, etc. His flying was made possible by an elaborate control system that provided rudder, elevator and engine control. Most other flyers last year had only rudder control which limited their flying to less spectacular maneuvers, but this year a greater number of multi-control models will be available and much more "hot" flying is expected.

WANTED: Ride or driving combination from vicinity of Bay and Pennsylvania Ave. to W.A. on 7:30 shift. Ike Miller, 4611.

SOFTBALL NEWS

The race for first place was tightened up this week when Stability won two games to move into a two-way tie with IRD. Flight added another win to their record to remain in third place.

Stability's two wins came when they defeated ANGUS 13-2 and Structures 20-8. In the game with ANGUS Tommy Andrews served on the mound for the winners and Keith Redner pitched for the losers.

IRD won over an undermanned PARD team 8-7. The game was won in the last of the seventh inning when E. M. Bracalente doubled with two men on base. Bill Crosley also connected for a double in the seventh and Dick Kurtz collected a home run while Lemuel Forrest got a triple for the winners. Ed Ashley, Dick Felix and J. L. Sanders collected triples for PARD. Forrest, with a record of 7 wins and 2 losses, was winning pitcher and Bill Malcolm hurled for the losers.

Behind the pitching of Ted Skopinski Flight defeated PARD 12-3. Russell Clickner was losing pitcher. In five trips to bat Tom Gainer got 3 singles, a walk and reached first on an error and Pete Korycinski got three hits in four times at bat.

STANDINGS

Team	W	L	Avg.
IRD	7	2	.777
Stability	7	2	.777
Flight	7	3	.700
ANGUS	4	5	.444
PARD	1	7	.125
Structures	1	8	.111

X-RAY SURVEY

(Continued from page 1)

day from 9 a.m. to noon and from 1 to 4 p.m.

Notice will be given by telephone to each section head at the time the employees in his section are to report to the designated locations. Any employee who is unable to visit the clinic room at the time his section is called may telephone 2243 for a later appointment. Employees assigned to night shifts may report to the X-ray room in operation any time during the operating hours.

As has been customary for the past few years, there will be no charge for this service and disturbing will not be necessary. It is recommended that each employee avail himself of the opportunity of obtaining this valuable diagnostic service.

WANTED: To join driving combination from Stuart Gardens to W.A. on 8 shift. Nancy Rodgers, 2221.



The newly elected Executive Board of the Activities Association held its first official meeting last Monday in the Activities Building. Members of the Board are (from left): Russell Clickner, Dynamic Model Engineering, chairman of the Activities Committee; Charlie E. Rogers, East Machine Shop, Vice President; Ferdinand Woolson, Instrument Research Division, chairman of the Arts and Crafts Committee; Helen Shaw, Instrument Research, Secretary; David M. Goldenbaum, Tank No. 1, President; Erskine White, West Engineering, chairman of the Building and Grounds Committee, and Cecil Burtner, Flight Research, chairman of the Social Committee. Absent when the picture was taken were Claude Ingels, Equipment Control, Treasurer, and Merle Ott, Full Scale Tunnel, chairman of the Children's Committee.

WANTED: Ride from Court House in Hampton to E.A. on 8 shift. Edna Goodall, 2292.

WANTED: Ride from Buckroe to W.A. on 8 shift. Tison, 2221.

WANTED: Ride from 32 Rugby Rd. to W.A. on 8 shift. Lee, 4793.

WANTED: 2 alternate drivers for combination from Deer Park or Beaconsdale Meadows to W.A. on 8 shift. Kalkin, 2336.

WANTED: 2 additional drivers from Riverside via Shoe Lane to E.A. on 8 shift. Guy, 2281, or Merschon, 2351.

FOR SALE: 8 room house with double garage, workshop, large lot near Boulevard in Wythe. Kuhn, Newport News 2-2648.

WANTED: 8-inch table saw and joiner complete with motor. Hamilton, Yorktown 4253.

WANTED: Ride from Wythe to E.A. on 8 shift. Winne, 2235.

NEW QUARTERS

(Continued from page 1)

116; Assistant Chief, 115; Engineering Planning Officer (Morris), 110; Chief of Engineering Service Division, 104; Assistant Chief, 106; Chief of Maintenance Division, 111; Chief of Mechanical Service Division, 112; Chief of Administration Services and Administrative Management Officer, 113; Travel (Reservations and Vouchers), 103; Management Improvement Officer, General Services Division Office (West Area), and Messenger Service, 107; Receptionist, 100; Central Files and Mail Unit, 304; Classified Files, 123; and Stenographic Office (West), 301.

Offices which will be located in the Landing Loads Track are as follows: Ground Loads Branch (Head), 114; Ground Loads Office, 112, Landing Loads Computers, 110; High-Speed Hydrodynamics Section (Head), 117 and Office and Shop 118.

WANTED: Ride from 415 Fox Hill Rd. to E.A. on 8 shift. Wells, 2221.

WANTED: Ride from Holly Homes to W.A. on 8 shift. Ann Worth, 2221.



MONDAY DEADLINE FOR GOLF TOURNEY

Laboratory golfers planning to enter the medalist round of the Activities Association's annual golf tournament are reminded that an entry blank and the one dollar entry fee must be submitted to a member of the Tournament Committee by noon on Monday, August 20.

The tournament will consist of two events this year. The first event will be an 18-hole medalist round and the second will be handicapped match play by flights.

Foursomes for the medalist round will be set up Monday afternoon and players will be notified immediately. The round will be played at the Langley Air Force Golf Course. Entrants do not have to be a member of the Langley Club but one club member will be included in each foursome. All rounds for the medalist event must be completed and the scores turned in to the Tournament Committee by noon on Tuesday, September 4. The Callaway Handicap System will be used to determine all net scores.

Prizes for the medalist round will be as follows: low gross winner - Etonic golf shoes; low gross runner up - a wedge; low net winner - a putter, and low net runner up - War-mupp head covers.

Only one entry is required to enter the medalist round and the handicapped match play by flights. Medalist scores will be used as qualifying scores for the match play event.

The match play event will be played in flights of 16 entrants. Golfers unable to play in the medalist round must submit an entry blank, the one dollar entry fee, and a qualifying round of 18 holes to the Tournament Committee by noon on Tuesday, September 4. Positions in flights and handicaps will be determined by the Committee on the basis of medalist scores or qualifying round scores. The first match will be played between September 10 and September 17. Awards will be given to the winner and runnerup in each flight.

First round losers of each
(Continued on page 3)

TWO CHANGES MADE IN TRAVEL RULES

Two changes of interest to Laboratory personnel have been made in Government travel regulations. One concerns the use of official transportation requests; the other is in connection with certain uses of privately-owned automobiles.

NACA employees are now optionally permitted to pay cash for official transportation in amounts of \$15 or less, plus Federal transportation tax. When the cost of travel involves amounts of \$1 or less, plus Federal transportation tax, the NACA prefers that cash payments be made. Receipts for cash payments of \$15 or less, plus Federal transportation tax, will not be required.

In lieu of the use of a taxicab, payment on a mileage basis is now being allowed for the round-trip mileage of a privately-owned automobile used in connection with travel from an NACA employee's

(Continued on page 3)

Air Scoop, August 17, 1956
Vol. 15, Issue 33

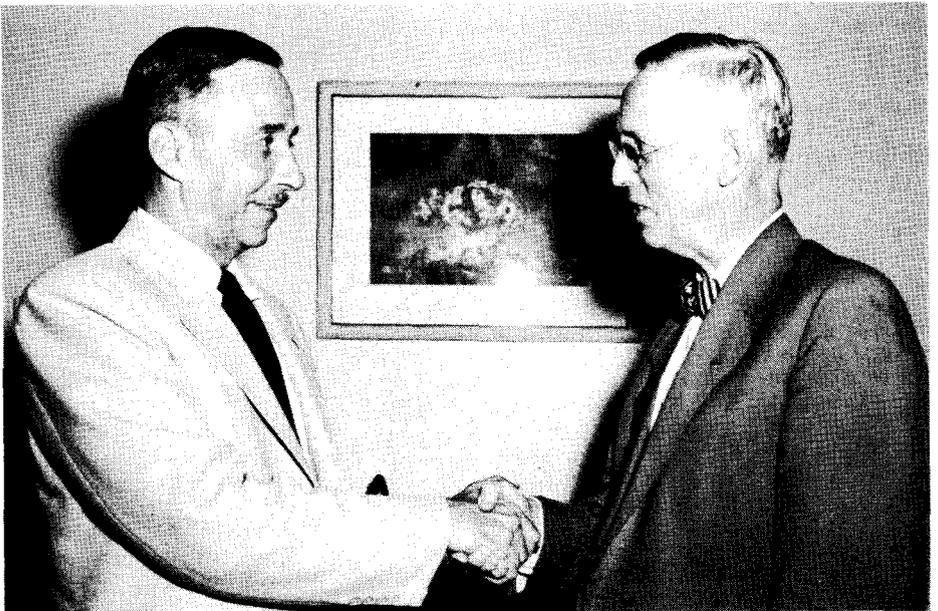
VICE ADMIRAL DAVIS APPOINTED TO NACA

Vice Admiral William V. Davis, Jr., USN, has been appointed by the President to succeed Vice Admiral Thomas S. Combs, USN, as a member of the NACA. The swearing in ceremony was performed recently by Dr. John F. Victory, Executive Secretary of the NACA.

Admiral Davis was born January 28, 1903 in Savannah, Georgia. He received his B.S. degree from the U.S. Naval Academy in 1924. He entered active service in 1924 as an Ensign and advanced through the grades to his present rank.

During his career, Admiral Davis has served in a number of posts. From 1941 to 1943 he was officer in charge of the Armament Unit, Air Station, Norfolk. After a number of other assignments, he returned to Norfolk in 1946 with the Development Force, Atlantic Fleet. He was director of Flight Test, Air Test Center, Patuxent, Maryland from 1947 to 1950 and ser-

(Continued on page 4)



The above picture was taken recently when Dr. John F. Victory (right), NACA Executive Secretary, administered the oath of office to Vice Admiral William V. Davis, Jr., Deputy Chief of Naval Operations (Air), as a member of the National Advisory Committee for Aeronautics.

LANGLEY AERONAUTICAL LABORATORY

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Service Building, telephone 2376.

Editor.....Ruth Angel Verell

Staff Photographer.....Bill Taub

Reporters.....Langley Employees

The Air Scoop is printed by the Mechanical Reproduction Staff.

LIFE AT THE LABORATORY

Weighing in.

at seven pounds, seven ounces on Wednesday, August 8, was Cindy Rae, new daughter of Wilbur C. Burroughs, West Machine Shop.

Another proud papa.

who is passing out cigars and candy is Edward Hackney, Transportation. He became the father of a son on Monday, August 13.

Date changed.

The monthly meeting of the Langley Yacht Club has been advanced to Tuesday, August 21 so that important business pertaining to the Second Annual Sailing Regatta may be transacted. The regatta will be held on Saturday and Sunday, August 25 and 26.

During his travels.

the stork stopped by the John Benthall household on Friday, August 10 and delivered a new daughter. The proud father works in Electrical Service Section.

The pay day.

game night, sponsored by the Activities Association, will be held on Thursday, August 23 at 8 p.m. in the Activities Building.

Walking.

the floor nights is James Schrader, Instrument Research Division. He became the father of a daughter on Saturday, August 11.

Five members.

of the Peninsula Deep Sea Fishing Club went out in the Gulf Stream on Thursday, August 9 with Captain Marshall Smith and caught 31 dolphin. One marlin was sighted but refused to take the bait after trailing it for about 20 seconds. Club members who made the trip included Joe Martin and Gerald Rainey, both of Vibration and Flutter, and Keith Harder, Ed McLean, and Bernard Klunker, all of Theoretical Mechanics.

Tomorrow is the date.

for the Singleton Club's Barefoot Ball at the Langley Boat House at 8:30 p.m. Music will be furnished by Stan Scher and his "Esquires". Tickets are one dollar per person for members and their guests.

The 6590th Special Activities Squadron.

won the first Base Intramural Sailing Championship on Tuesday, August 7, after eight weeks of racing. Lieutenants William Kinard, Robert Swain, and George Wright, all of PARD, assisted Lt. Art Baxter, IRD, who was the skipper for the Activities Squadron in all eight races. Three points received for a third-place finish in the last race of the season were enough to secure the sailing crown for the 499th Bomber Squadron which finished with 48 points, only two behind the 6590th total.

FOR SALE: Federal model 269 photo enlarger with accessories - \$25. Riddle, NN-42477.

FOR SALE: 5 hp Mercury and 5 hp Sea King motors with neutral; 12 gauge 28-inch modified choke shot gun barrel for Belgian Browning. Slear, H-4935.

FOR SALE: 30" by 40" Radiant Leader projector screen - \$14. Bluntschli, H-4587.

FOR SALE: Girl's 26-inch bicycle. Hilda Sinclair, H-8695 after 5.

WANTED: Qualified flight instructors for the Teal Flying Club. Call E. Schnitzer, NN-51640.

FOR SALE: 1950 Chevrolet - 4 door deluxe model. Kerner, H-38037.

WANTED: Ride from 413 Deep Creek Rd. to E.A. on 8 shift. Beverly Church, 2313.

KNOW HOW TO LIFT...

The RIGHT WAY

WITH YOUR LEGS
(they can take it!)



The WRONG WAY

WITH YOUR BACK
(it can't take it!)



- Crouch close to the load.
- Get solid footing.
- Have a good grip.
- Let your legs do the work.

..and get help with heavy loads

LOOKING AHEAD MAY SAVE NECK

In lifting or handling materials, try to anticipate your next move. If it looks like you will get in an awkward position, don't continue the job until you figure the safe approach.

One Laboratory employee recently suffered a lost-time injury, a painful back sprain, because he was in an awkward position while lifting a box into a truck.

Safety officials emphasize that even the easiest of lifting jobs can be dangerous unless the employee insists at all times on following recognized procedures.

In lifting, Safety officials say, bend your knees and use your leg muscles. Get help or use approved equipment, rather than lift or carry a load that is beyond your physical ability.

Wear gloves, safety shoes, and other protective equipment if required. Be sure of a firm grip and good footing; see that your fingers and hands are in the clear; and keep the load close.

FOR RENT: 3 room furnished cottage on Bennett's Creek. Deans, Poquoson 5762.

FOR SALE: Excello 18-inch reel mower with Briggs and Stratton 4 cycle engine. Hanson, H-33406.

GOLF TOURNEY

(Continued from page 1)

flight will be rematched in flights of "beaten eights" with an award going to the winner of each flight. Thus, each entrant will play a minimum of a qualifying round and two matches.

Women golfers are eligible to enter the medalist round of the tournament; however, flight play will depend on whether enough women enter to make up a separate women's flight. Husbands and wives of Laboratory employees are also eligible to enter the tournament.

Persons planning to enter the tournament may submit the entry blank printed below to one of the following persons: Al Braslow, Low Turbulence; Earl Gerringer, West Electrical Shop; Jim Jones, Gas Dynamics; Bill Jones, IRD; Grady Mitchum, PARD; Fred Schmidt, Structures Research; Jim Bertoci, Unitary Wind Tunnel; Sig Sjoberg, Flight Research, or Ruth Verell, Air Scoop.

ENTRY BLANK
NACA ACTIVITIES ASSOCIATION
GOLF TOURNAMENT

NAME _____

SECTION _____

SECTION PHONE _____

ESTIMATED SCORE _____

Are you a member of Langley Golf Club _____

All entries received after 12:00 noon on Monday, August 20 will be eligible for match play only.

GOLF NEWS

West Machine and IRD played to a 3-3 tie (best ball) which saw Ray Goodman and Jake Howell win over Lemuel Forrest and Charlie Russell 3-0.

Bill Jones and Scott Hall for IRD trimmed Gene Strauss and Bill McMillan 3-0.

IRD defeated West Machine in combined medal scores of 366-376.

Goodman and Howell shot 88 and 94 against Forrest and Russell who shot 89 and 104. Jones and Hall shot 84 and 89 against scores of 94 and 100 for Strauss and McMillan.

West Machine plays East Model in their next match.

WANTED: Girl bowler to bowl with East Machine Shop II in duckpin league. Wagner, 2383.

WANTED: Ride for 2 from Lynnhaven to W.A. on 7 shift. Fontaine, Warwick 8-7034.

ACTIVITIES ASSOCIATION'S FINANCIAL REPORT

For the Period July 2-31, 1956

<u>Income</u>	
Bar.....	\$890.52
Game Night.....	695.50
Total income from operation.....	\$1586.02
<u>Costs</u>	
Bar.....	\$831.09
Bar Labor.....	19.51
Game Night.....	578.70
Cost of operation.....	\$1429.30
Profit on operation.....	\$156.72
<u>Other Income</u>	
Coca-Cola Commission.....	\$621.63
Labor charges earned.....	64.90
Miscellaneous revenue.....	52.44
Total other income.....	\$738.97
Gross profit before deductions.....	\$895.69
<u>Activities Expense</u>	
<u>Wages</u>	
Clean up.....	\$ 9.37
Party subsidization.....	35.02
Party charge.....	67.93
Building open.....	227.87
Total wages.....	\$340.19
Cash short.....	2.25
Travel.....	4.06
Depreciation expense.....	70.72
Total activities expense.....	\$ 417.22
<u>Administrative expense</u>	
Office wages.....	\$155.00
F.I.C.A. expense.....	10.65
Loss on old merchandise.....	4.76
Equipment repairs.....	17.02
Total administrative expense.....	\$ 187.43
Total administrative and activities expense.....	\$604.65
Net profit for July, 1956.....	<u>\$291.04</u>

YACHT CLUB PLANS ANNUAL REGATTA

The Langley Yacht Club will hold its second annual Sailing Regatta on Saturday and Sunday, August 25 and 26. Regatta headquarters will be located in the Special Services Boat House, Langley Air Force Base, South West Branch of the Back River. The Boat House is directly below the two prominent red and white water towers. When arriving at the East or West Gate follow the signs to the Yacht Club.

The race for the cruising and delta classes will be held on Saturday, August 25 at 9:30 a.m. Other races will begin at 10:30 a.m. on Saturday and the classes will include Hampton, Mobjack, Knockabout, Town, Moth, Penguin, and Jolly. Additional classes will be added if three or more boats enter the event.

Anyone wishing to participate may register with A. W. Bainbridge, 4410 Chesapeake Avenue. Registration will close promptly at 9 a.m.

on Saturday except by special permission of the Race Committee.

There will be no admission fee and the public is invited to attend the regatta.

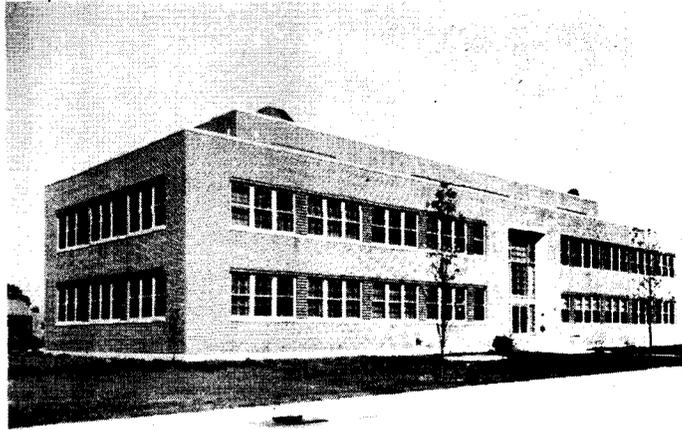
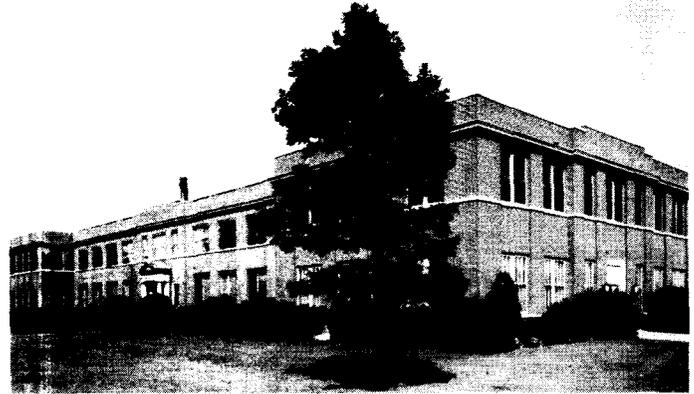
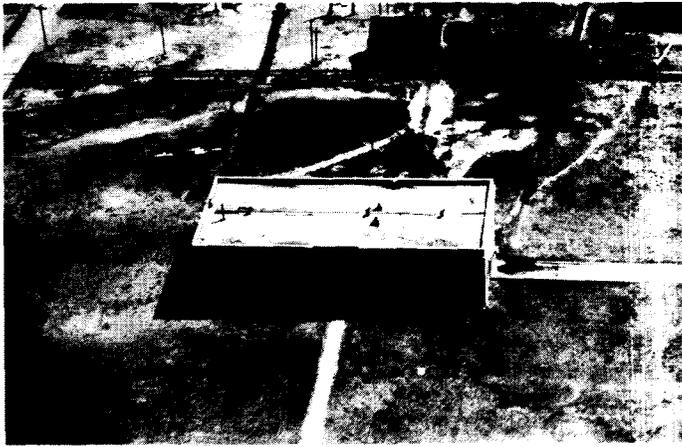
Dinner and an informal dance will be held for skippers, crews, Yacht Club members and other regatta guests at the Langley Yacht Club on Saturday night. Cruising and Delta class trophies will be awarded at the dance.

On Sunday, trophies for the small boats will be awarded immediately following the finish of the last boat. Light refreshments will be served.

TRAVEL RULES

(Continued from page 1)

place of abode to a common carrier terminal or from a common carrier terminal to his place of abode. The rate of payment under this provision will be 10 cents per mile, but the amount of reimbursement shall not exceed the usual taxicab fare, including allowable tip, for a one-way trip from the employee's place of abode to terminal or from terminal to his place of abode.



Typical of the tremendous growth of the Langley Laboratory over the past forty years are the above photographs. The Laboratory's first Administration Building (upper left) was built in 1918. Shown in the background are (from left): Power Plants I and II, Warehouse, VDT, and the old AWT. The two wings (upper right photograph) were added to the Administration

Building in 1942. Shown in the lower left photo is the new Langley Laboratory Headquarters Building in West Area. The Reception Lounge in the new Headquarters Building is shown in the lower right photo. Enjoying the cheerful atmosphere are (from left): Robert Mulac and Eleanor Cole, both of the Office of the Associate Director, and Patricia Ware, Classified Files.

NACA MEMBER

(Continued from page 1)

ved as commanding officer of the U.S.S. Roosevelt from 1950 to 1951. He was deputy commander, Field Command, Armed Forces Special Weapons Project at Sandia Base from 1952 to 1955 and was appointed Commander, Carrier Division 5, Pacific Fleet, in 1955.

He holds the Flying Cross, Legion of Merit, and in 1949 he was presented the National Air Council's award for helicopter developments.

WANTED: 28 or 30-foot extension ladder. Conner, H-6918.

FOR SALE: 1½ story brick house on Chisman Creek with 12 acres of land. White, Seaford, 3462.

FOR SALE: American Flyer 3/16 scale train set with accessories. Hilsdon, NN-51719.

WANTED: Ride or driving combination from Little Farms Ave. to W.A. on 8 shift. Heath, 4542.

TENPIN LEAGUE

A meeting of all team captains in the NACA Tenpin League will be held on Wednesday, August 22 at 7 p.m. in the Activities Building. It is essential that all captains attend this meeting.

Any bowler not affiliated with a team but interested in bowling in the Tenpin League may contact Joe Blanco, 4535.

Newly elected officers for the coming season are as follows: Joe Blanco, Flight, president; Carl Huss, Maneuver Loads, vice president; Ned Wagner, IRD, secretary; Ed Leyhe, Full Scale Analysis, treasurer, and Lucille Blanco, scorekeeper.

FOR SALE: 2 bedroom house in Wythe. Lord, NN-61704.

WANTED: Pair outboard water skis. Pierpont, H-32121.

FOR SALE: Child's Irish Mail - \$5. Matthews, Yorktown 4363.

SOFTBALL NEWS

Stability added two more wins to their record this week by virtue of a forfeit from Flight and a 1-0 shutout over IRD. Tommy Andrews served on the mound for the winners and Lemuel Forrest hurled for the losers. Outstanding batters for the winners were Murray Segall who connected for a triple and P. J. Bobbitt who was credited with a double.

In the only other game played PARD defeated Structures 6-2. Saunders pitched for the winners and Eugene Brady for the losers.

STANDINGS

Team	W	L	Avg.
IRD	10	3	.770
Stability	9	3	.750
Flight	7	6	.538
ANGUS	6	6	.500
PARD	3	8	.273
Structures	2	11	.154

FOR SALE: Virginia sofa, china service for eight, small mahogany buffet. Walker, 330 60th St., NN-22519.



SEVEN RECEIVE SERVICE PINS

During the month of August, seven staff members were presented 15-year meritorious service pins by their respective division chiefs.

Receiving 15-year pins were Gerald Brewer, head of Full Scale Tunnel; William J. Coley, formerly of W. Machine; Roy Steiner, Gust Loads; Walter Klinar, Spin Tunnel; Harry Ricker, IRD; Bessie Stokley, Report Typing, and Paul Sturtevant, Planning Office.

Brewer was born in Beverly, Massachusetts. He received his B.S. degree in Mechanical Engineering from Purdue University in 1941 and joined the Laboratory staff on July 1, 1941 as a junior aeronautical engineer. He was assigned to the Full Scale Research Division in 1944 and appointed head of Full Scale Tunnel on March 1, 1948.

Coley was born in Eureka, N. C. He attended North Carolina State for 1 year and entered on duty August 7, 1941 as an assistant messenger. He graduated from the Apprentice School as a machinist in 1948 and resigned to accept other employment on August 14, 1956.

Steiner claims Johnson, Washington as his birthplace. He received his B.S. degree in Mechanical engineering from Washington State College. He entered on duty July 1, 1941 as a junior mechanical engineer at 19-foot Tunnel. He served in the Army from April, 1942 to December, 1945 and returned to the Laboratory on December 12, 1945 and was assigned to Gust Loads.

Klinar is a native of Universal, Pennsylvania. He received his B.S. degree in aeronautical engineering from Carnegie Institute of Technology and joined the Laboratory on August 1, 1941 as a junior aeronautical engineer at the Spin Tunnel. He served as a lieutenant in the Army from February 3, 1944 to February 2, 1946 and returned to the Laboratory following his discharge. He received his M.S. degree in Aeronautical Engineering from the University of Virginia in 1951.

Ricker was born in Philadelphia, Pennsylvania. He received his B.S.

(Continued on page 4)



Russ Morgan

RUSS MORGAN DANCE SET FOR SEPT. 14

Russ Morgan, creator of the famed "Music in the Morgan Manner" will appear at the Activities Building on Friday, September 14, with the entertainers and entertainment which have made this orchestral organization a popular favorite from coast to coast.

Russ and his group have been featured on CBS-TV Saturdays at 8:30 p.m. on The Russ Morgan Show.

Morgan's musical background is hard to surpass. It was young Morgan who was responsible for the fine arrangements of the now immortal all-star Goldkette Orchestra which included such stars as Tommy and Jimmy Dorsey, Joe Benute, Chauncy Morehouse and Bix Beiderbecke. At twenty he was arranger for two of America's greatest composers, Victor Herbert and John Phillips Sousa.

Today, the Russ Morgan Orchestra is well equipped musically and vocally with several star soloists. Morgan himself makes a smart looking and versatile leader, who handles shows and dance sets with equal facility, and whose easy-to-listen-to voice is a pleasant surprise for his audience.

Morgan is one of the world's greatest trombone soloists, a com-

(Continued on page 4)

7 AGENCIES BENEFIT FROM UNITED FUND

The Board of Directors of the Laboratory's United Fund organization announced this week that seven agencies will benefit from solicitations to be made during the third annual United Fund Drive, which will be directed in October by Robert L. Girouard, Systems Engineering.

Two new agencies have been included in the Laboratory's United Fund Drive. They include the Virginia Association for Mental Health, Lower Peninsula Chapter, and the Virginia Society for Crippled Children and Adults.

The Mental Health group is located at 89 Main Street, Warwick. It is composed of citizens who are interested in mental health. The group acts as a support and spur for more adequate state mental hospital and clinic facilities. It carries on an active educational program to promote mental health and to help prevent mental illness in our homes, schools, and industries.

The Society for Crippled Children and Adults is located at 132 29th Street in Newport News. The society contributes to the support of the Hampton Roads speech school, the Peninsula Council for retarded children, and the anti-convulsive clinic. It also provides wheel chairs and other necessary equipment such as braces, shoes, lifts, etc., for indigent persons.

Other organizations that benefit from the Laboratory's United Fund drive include the Community Chest, American Red Cross, American Heart Association, American Cancer Society, and the Crusade for Freedom.

The Cerebral Palsy organization was formerly included in the Laboratory's effort but this year the group has gone in with the Community Chest; therefore, no separate collection will be earmarked for Cerebral Palsy.

Girouard said he hoped to push the United Fund campaign "over the top" in an intensive, one-day solicitation on Friday, October 5.

Air Scoop, September 7, 1956
Vol. 15, Issue 36

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Service Building, telephone 2376.

Editor.....Ruth Angel Verell

Staff Photographer.....Bill Taub

Reporters.....Langley Employees

The Air Scoop is printed by the Mechanical Reproduction Staff.

LIFE AT THE LABORATORY

Weighing in.

at eight pounds, four ounces on Monday, August 27 was Scott Randall, new son of Jean, formerly of 7 by 10-foot Wind Tunnel, and "Bud" Bobbitt, Stability Analysis.

Wedding bells.

rang on Monday, September 3 when Charles Lipsey, West Engineering, took his final vows with Margaret Hanf at the Phoebus Methodist Church.

Announcing.

the arrival of a son on Sunday, September 2 are Margaret, formerly of 7 by 10-foot Wind Tunnels, and Dr. Franklin Diederich, Dynamic Loads Analysis.

Word.

has just reached the Laboratory that Anne Hall Witt, formerly of the Library, became the mother of a son, David Leonard, on Saturday, August 25.

Dan Cupid.

scored a victory over the holiday week-end when Sue Koenig, Library, announced her engagement to Thomas Seward, Newport News. No definite date has been announced for the wedding.

Passing out cigars.

and candy is Robert Boswinkle, Low Turbulence. He became the father of a daughter on Thursday, August 30. The mother, Betty, formerly worked in Instrument Research Division.

Orange blossoms.

Changing the Miss to Mrs. was Betsy James, Library. She was married to Peter Simmons, Hampton, on Saturday, August 25 at Christ Church in Saluda. Joan Evans, 9-inch Supersonic Tunnel, and Sue Woodward, Technical Illustrators, were bridesmaids.

New Rockette.

Walking the floor nights is Robert Howell, General Aerodynamics. He became the father of a son on Wednesday, August 29.

During his travels.

the stork stopped by the David Greenshields household on Sunday, September 2 and delivered a new heir. The proud father works in Structures Research.

Six members.

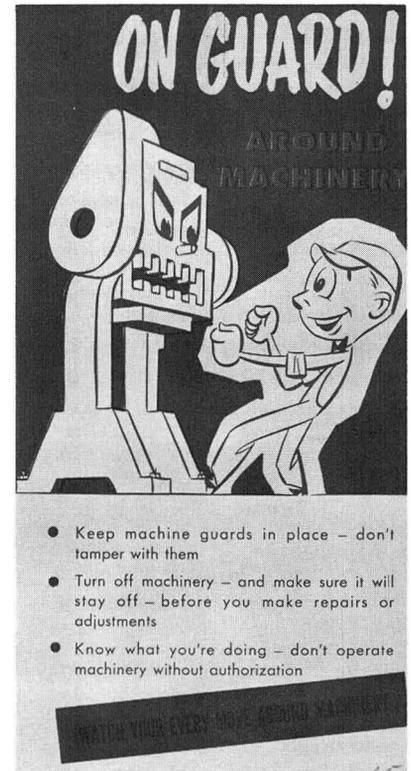
of the Langley Yacht Club placed in the Norfolk Yacht and Country Club Sailing Regatta held over Labor Day week-end. Ray Hooker, Engineering Service Division, took first place in the Delta Class; Ralph Bluntschli, Systems Engineering, came in first in the non-planing division of the Knockabout Class, Tom Colvin took second in the same class, John Becker, Chief of Compressibility Research Division, and Don Baals, 4-foot Supersonic Tunnel, took third in the planing division of the Knockabout class, and Wing Commander Bunny Smith came in second in the Jolly group.

Many thanks.

Bruce Dunn, West Machine Shop, and his family expressed their sincere thanks this week to all the staff members who donated blood to their daughter, Joyce Ellen, during her recent operation at Charlottesville.

The Board of Directors.

of the Singleton Club will have an open meeting on Monday, September 10, at 7:30 p.m. at the Activities Building. All members and others in-



terested in future events of the club are invited to attend. The club's last summer event has been planned for Saturday, September 15. Tickets to the get together are available to members and their guests for one dollar per person. Further information may be obtained from club representatives.

Congratulations.

to Richard E. Godfroy who recently received his 15-year service pin at the Lewis Laboratory. Godfroy received his B.S. degree in General Business from North Carolina State College. He entered on duty at Langley in August, 1941 and transferred to Cleveland in December, 1941. He is an electrical designer in the Engineering Drafting Division.

WANTED: Ride from Cherry Acres to E.A. on 7 shift. Cox, 2224.

WANTED: Ride or driving combination from Green Oaks to E.A. on 8 shift. Schoonover, W-86218.

WANTED: Driving combination from Hidenwood to E.A. on 8 shift. Lois Hartmangruber, 2215.

FOR SALE: Lady's accordion. Shepherd, NN-20875.

FOR SALE: Baby carriage - \$8. Schoonover, W-86218.

WANTED: Ride or driving combination from New Market to W.A. on 8 shift. Elsie Johnson, 4556.

APPRENTICE SCHOOL STARTS SEPT 10

The Fall Semester of the Apprentice School will start next Monday and classes will be held in the Apprentice class rooms located on the second floor of the Fabrication Shop.

Courses which are being offered and the instructors are as follows:

Monday - General Mathematics, James Chacamaty, West Machine Shop; Mathematics (E and E), Richard Morris, General Research Instrumentation; Blueprint Reading, John L. Dupere, East Machine Shop, and Electrical Blueprint, Charles Monohan, Electrical Power Distribution.

Tuesday - Mathematics (E and E) III, Lloyd Keafer, Dynamic Force Instrumentation; Mechanical Drawing I, Eugene Marts, Instrument Engineering, and Robert Freeman, Dynamic Model Engineering, and Algebra, Harold Rosenberg, West Machine Shop.

Wednesday - Algebra, Charles Lipsey, West Engineering; Machinery Handbook I, Mauritz Olson, East Engineering; Sheetmetal Layout I, Carl Stafford, West Fabrication Shop, and Physics I, Vernon Collins, Instrument Research Division.

Thursday - Strength of Materials I, Leonard Bartone, Equipment Engineering; Integral Calculus, Hubert Clark, Systems Engineering; Machinery Handbook III, Moses Long, Equipment Engineering, and Mechanical Drawing III, Robert Guillotte, Instrument Engineering.

Friday - General Mathematics, Jack Smith, Instrument Construction; Fundamentals of Radio II, Alfred Jones, Telemeter Application; Blueprint Reading, Paul C. Geiger, East Model Shop, and D.C. Fundamentals II, Harlan Caldwell, Electrical Power Utilization Section.

WANTED: Driving combination from Morrison, Green Oaks or Beaconsdale to E.A. on 8 shift. Collins, 2258.

FOR RENT: 5 room and bath apartment suitable for 3-5 men. Dees, H-4614.

WANTED: Ride from 138 Westover to E.A. on 8 shift. Monismith, H-5838.

WANTED: To buy 6 or 8 room house in Wythe. Gustafson, H-6597 between 5 and 6 p.m.

FOR SALE: 1951 Kaiser - 4 door - \$125. Hassell, H-34497.

FOR SALE: Westinghouse roaster oven. Emond, H-37856.

MICKEY FINN



By Lank Leonard



INVEST PART OF YOUR PAY
EACH PAYDAY IN
U.S. SAVINGS BONDS

LANGLEY LAB IN RETROSPECT

Remember 11 years ago when the B-32 Dominator, a new super-bomber slightly smaller in dimensions than the B-29 and one of the newer weapons to have a hand in the Allied defeat of the Axis powers, was one of the many war planes to pass through the wind tunnels and other research facilities of the Laboratory before going into operation in the Pacific near the close of the war.

In a letter commending the 19-foot Pressure Tunnel for its work on the B-32, Brigadier General F. O. Carroll, Chief of the Engineering Division at Wright Field, stated, "The tests included a series of modifications to the airplane model, the results of which not only accomplished the purpose intended but have apparently furnished means for substantially decreasing the drag of the airplane which in turn will be reflected in increased airplane performance.

"Especially commendable is the general cooperation, attitude and diligence with which this work was pursued, in particular by personnel of the 19-foot Pressure Tunnel, and which resulted in furnishing assistance in a minimum of time."

400 OWE PLEDGES FOR UNITED FUND

Reminders have been sent to approximately 400 staff members who still owe all or a part of their United Fund pledge which was made during the second annual drive held at the Laboratory last October.

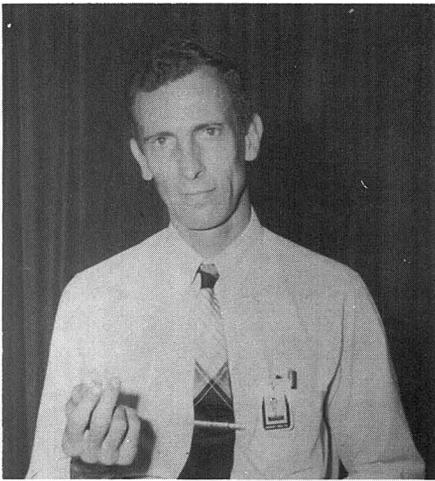
Employees are urged to clear these obligations as soon as possible in order to give the chairman of this year's United Fund campaign an opportunity to start his solicitation program in October with a clean slate.

Only 90 per cent of the amount allocated last year has been turned over to the various organizations benefitting by the Laboratory's United Fund effort. The remaining 10 per cent cannot be forwarded to these organizations until all pledges have been paid.

Pledge payments may be made in the West Area on the first floor of the Warehouse Building; and in the East Area at the Reception Desk, first floor of the Administration Building.

FOR RENT: 3 room furnished apartment. Mrs. Beck, 207 Brightwood Ave.

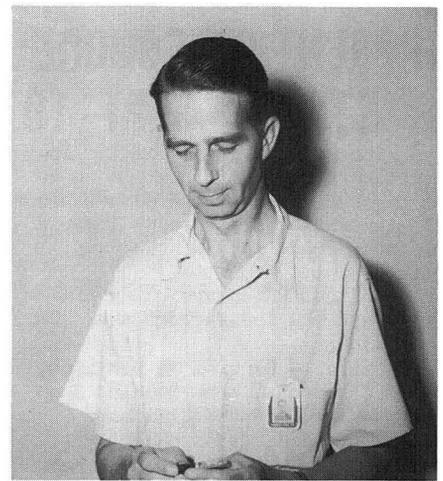
WANTED: Driving combination from Crescent Dr. to W.A. on 8 shift. Burchett, 2340 or NN-22695.



Gerald W. Brewer



William J. Coley



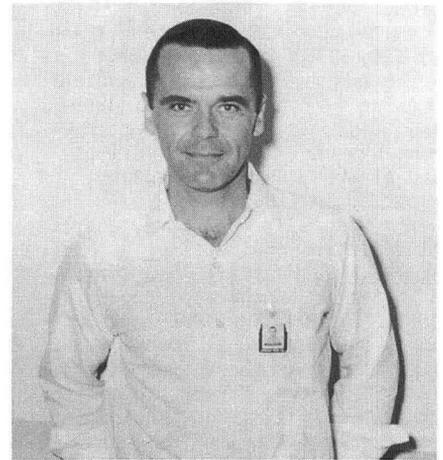
Roy Steiner



Walter J. Klinar



Harry H. Ricker Jr.



Paul M. Sturtevant

SERVICE PINS

(Continued from page 1)

degree in Electrical Engineering from Drexel Institute of Technology. He entered on duty at the Laboratory on March 10, 1941 and resigned in 1946 to accept a position with Leeds and Northrup. He returned to Langley on June 29, 1946 and reached the 15-year mark on August 7, 1956.

Mrs. Stokley is a native of Portsmouth. She attended Newport News Business College and worked at the Veterans Administration from 1936 to 1941. She joined the Laboratory staff on August 12, 1941 as a Junior Stenographer.

Sturtevant was born in North Pownal, Vermont. He graduated from Lowell High School, Lowell, Massachusetts, and joined the Laboratory staff on August 4, 1941 as a messenger. He transferred to Cleveland on December 8, 1941 as an Engineering Aide and enlisted in the Navy in 1942. Following his discharge in 1945 he returned to Lewis Laboratory and transferred to Langley on August 21, 1947 and was assigned to Planning Office in 1949.

RUSS MORGAN

(Continued from page 1)

poser of many hits and a master of the piano, vibraphone, saxophone, guitar, celeste and marimba. In addition, he has an exceptional baritone voice. To round out his musical knowledge he is studying the organ, harp and various other string instruments.

Dancing will be from 9 p.m. 'til one.

Tickets will be five dollars per couple and set-ups will be FREE. Tickets are now available from the following Persons: David Goldenbaum, Tank I; Helen Shaw, IRD; Charlie Rogers, East Machine; Ferdinand C. Woolson, IRD; Russell E. Clickner, Dynamic Model Engineering; Erskine White, West Engineering; Cecil Burtner, Flight, and Ruth Verell, Air Scoop.

Table reservations may be made upon request by calling 4583. Reservations will not be held after 9:30 p.m.

FOR RENT: Room with twin beds for gentlemen. Bomar, NN-43971.

FORMER EMPLOYEE DIES AT AGE 32

Word was received at the Laboratory last week of the death of Donald A. Howard, formerly of Maneuver Loads.

Howard entered on duty October 6, 1947 as an aeronautical research scientist in the Maneuver Loads Section. He transferred to Flight Research on August 22, 1949 and resigned January 2, 1951 to accept a position with Headquarters, Air Materiel Command, Wright-Patterson Air Force Base.

At the time of his death he was 32 years old.

WANTED: Play pen and high chair. Franklin, H-36931.

FOR SALE: Easy-spin dryer washer - \$50. Taub, H-4468.

WANTED: Ride from 34 Elm Ave. to W.A. on 8 shift. Fryer, 4738.

FOR SALE: 1½ story brick house on 12 acres of waterfront property on Chisman Creek. White, Seaford 3462.



IT TAKES US ALL...



...TO CARRY THE BALL UNITED FUND

THREE UNITED FUND DIRECTORS NAMED

Dr. H. J. E. Reid, Director, this week announced the appointment of two new members and the re-appointment of one member of the board of directors to administer the Laboratory's United Fund organization. The annual drive will be directed by Robert L. Girouard, Systems Engineering.

Girouard and Jack A. Kinzler, West Machine Shop, were appointed for three-year terms and they replace Marvin Forrest and Hartley A. Soule, whose terms of office expired this year. James C. Tingle, Health Officer and present chairman of the organization, was re-appointed for a three-year term.

Members whose terms of office did not expire this year are as follows: Thomas A. Harris, chief

(Continued on page 4)

RUSS MORGAN DANCE SET FOR TONIGHT

Laboratory socialites will gather at the Activities Building tonight to hear Russ Morgan and his orchestra present an evening of "Music in the Morgan Manner".

Dancing will be from 9 p.m. 'til one and a 20-minute floor show will be presented during intermission.

Morgan earned his first musical dollar at the age of 14 as a pianist in a Scranton theatre. This and other similar jobs gave him the opportunity to earn enough money for his first trombone. He played with a local band for a while and at the age of 18 he left for Broadway. In two years he was arranger for two of the greatest American composers, John Philip Sousa and Victor Herbert.

As a trombonist he joined an
(Continued on page 4)

DIVISION LEADERS IN DRIVE SELECTED AS OPENING NEARS

Using the slogan, "It takes us all to carry the ball", Robert L. Girouard, head of the third annual United Fund Drive, expressed his confidence that each staff member will do his part in supporting the community by contributing generously to this annual Laboratory effort.

With the cooperation and teamwork of every member of the Laboratory staff, Girouard plans to push the United Fund campaign over the top in an intensive, one-day solicitation on Friday, October 5, "I have contacted each division chief and division fund chairman", Girouard said. "They have expressed great enthusiasm for completing this campaign in a vigorous, one-day effort. It is especially important this year that the drive be completed in one day so as not to interfere with the NACA's Triennial Inspection which starts on October 10."

In order to complete the drive in one day, staff members are encouraged to sign pledges. In this way, employees do not have to wait until they are in a position to pay cash, but by making installment payments later they may also find it convenient to make larger and more generous donations.

Girouard pointed out that staff members will be solicited at the Laboratory only one time during the year and enough pledges and cash contributions must be collected to support approximately forty-five different organizations. In addition to the 36 agencies under the Community Chest, funds will also go to the American Red Cross, American Cancer Society, American Heart Association, Crusade for Freedom, the Virginia Association for Mental Health, and the Society for Crippled Children which also supports the Hampton Roads speech school, the Peninsula Council for retarded children, and the anti-convulsive clinic.

Staff members are urged to start thinking now of what they expect to contribute so they will be prepared when the solicitor approaches them on October 5. Those who plan to be on leave on October 5 are urged to contact their solicitor beforehand, if possible, and sign up for this united effort.

No Laboratory financial goal has been set this year, but division chairmen are looking forward to a 100 percent participation and hope that pledges and cash contributions will average one day's take-home pay for the staff. In making

(Continued on page 4)

Air Scoop, September 14, 1956
Vol. 15, Issue 37

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Service Building, telephone 2376.

Editor.....Ruth Angel Verell
 Staff Photographer.....Bill Taub
 Reporters.....Langley Employees

The Air Scoop is printed by the Mechanical Reproduction Staff.

LEMMIE TISDALE DIES AT AGE 31

Lemmie V. Tisdale, 8-foot Transonic Wind Tunnel, died Sunday at his home at 6008 Parish Avenue following an illness of several months.

Tisdale was born October 15, 1924 in Ellisville, Mississippi. He served in the U.S. Army from July 15, 1943 to April 5, 1946. Following his discharge he entered on duty at Ft. Eustis as an automobile mechanic. He joined the Langley staff on October 4, 1954 as an aeronautical laboratory mechanic.



He is survived by his wife, Mrs. Odessa Tisdale, two brothers and two sisters.

LIFE AT THE LABORATORY

weighing in.

at eight pounds, seven ounces on Tuesday, September 4 was Kathryn Phipps, new daughter of Bruce Flage, Instrument Research Division.

Wedding bells.

rang last Saturday when Doris Bowden, Personnel Division, and Leo Hopkins, Warwick, took their final vows at the First Congregational Christian Church in Newport News.

Fish story.

Charlie Cromlee and Roland E. Olson, Tank I, John R. Dawson, Tank 2, Overton C. Fowlkes, Systems Engineering, and Marvin Verell, Shipyard, enjoyed good fishing last Friday at Oregon Inlet. The catch consisted of 48 dolphin and 155 blue fish. The group went out on Captain Willie Ethe-ridge's boat "Chee Chee."

A Laboratory romance.

was climaxed last Saturday when Alice Westcott, Procurement Division, and David Thomas, Stability Tunnel, took their final vows at the Central Methodist Church in Fox Hill.

Word has just reached the Laboratory.

that Maxine Justice Becker, formerly of 8-foot Transonic Wind Tunnel, became the mother of a son on Sunday, September 9 in Chicago.

During his travels.

the stork stopped by the Lee Foster household on Monday, September 10 and delivered a new heir. The proud father works in Flight Research.

The pay day.

game night, sponsored by the Activities Association, will be held on Thursday, September 20 at 8 p.m. in the Activities Building.

Midnight serenader.

Keeping the Joseph Skeps household awake nights is a son who arrived on Friday, September 7. The proud father works in West Sheetmetal Shop.

More fish stories.

John W. Crowley, Washington Headquarters, joined Peninsula Deep-Sea Fishing Club members Hartley A. Soule, Floyd L. Thompson, Sam Soule, Fred Smith, and Bob Dunning on a trip to the Gulf Stream on September 6 with Captain Marshall Smith. The catch consisted of 45 dolphin, 2 albacore and a marlin that got away.

FOR SALE: 150 gallon oil tank with fittings and legs - \$20; Easy Spin-Dryer - \$25. Culotta, H-36142.

FOR RENT: Room for gentleman. Kimes, 14 Westover Rd.

FOR RENT: Room for gentleman. Mrs. Pullen, H-4092.

FOR RENT: Room for 1 or 2 men. Mrs. Bomar, NN-43971.

WANTED: Driving combination from Fordham area to E.A. on 8 shift. Driver, 2233 or H-30970.

WANTED: Lady to share apartment. Miss Todd. NN-43156.

POWER SQUADRON

The fall class in Small Boat Handling and Piloting, sponsored by the Hampton Roads Power Squadron, will start on Wednesday, September 26 at 7:30 p.m. at the Apprentice Building of the Newport News Shipyard. The course is offered free to all persons interested in boating. The course includes rules of the road, equipment and lights, charts and navigation, seamanship, safety and the compass. More information may be obtained from Dr. Randall J. Foley, Hampton 8911, or Harry Barritt, Unitary Wind Tunnel.

FOR SALE: Pair sliding closet doors 4' by 7' 8" - \$18. Becker, H-30030.

BOWLING NEWS

MONDAY DUCKPIN LEAGUE

The NACA bowling season officially opened Monday night with Flight and Hot Chips winning all 3 games to remain the only undefeated teams in the Monday league. Top scores for the night were rolled by E. C. Mattson with a 137 game and 367 set, Helen Dupere with a 114 game and Nan Harrison with a 239 set.

STANDINGS

Team	W	L	Avg.
Flight	3	0	1.000
Hot Chips	3	0	1.000
East Machine I	2	1	.667
Loads	2	1	.667
Stability	2	1	.667
Vibrators	2	1	.667
East Machine 2	1	2	.333
Free Flight Fliers	1	2	.333
Jets	1	2	.333
24-Inch	1	2	.333
Scotch and Tapers	0	3	.000
Structures	0	3	.000

TENPIN LEAGUE

The Tenpin League still has a vacancy open for one more team. Any team or individual bowler interested in joining the league may contact Joe Blanco, 4535.

FOR RENT: 4 room unfurnished apartment. Mrs. Parker, NN-31294.

FOR SALE: "Introduction to Electronic Analogue Computers" by Wass and "Mechanics of Materials" by Murphy. Training Office, 2256.

WANTED: Driver for 5 man combination from Sinclair Circle to W.A. on 8 shift. Weinflash, 4796.

WANTED: Alternate drivers from Pine Chapel to W.A. on 8 shift. Weidman, 4649.

WANTED: Driving combination from Raleigh Terrace to W.A. on 8 shift. Chauvin, 4447.

STAFF'S WISER USE OF MATERIALS WILL MEAN MONEY SAVED

More than two million dollars worth of expendable supplies and materials are used at the Laboratory each year in the course of obtaining the scientific information required by the military services and the aircraft industry for the design and development of high-speed airplanes and missiles.

Any wastage of materials by the Laboratory staff not only increases the cost of these operations, but is tantamount to taking money from one's own pocket - since public funds are used to carry on the Laboratory's business.

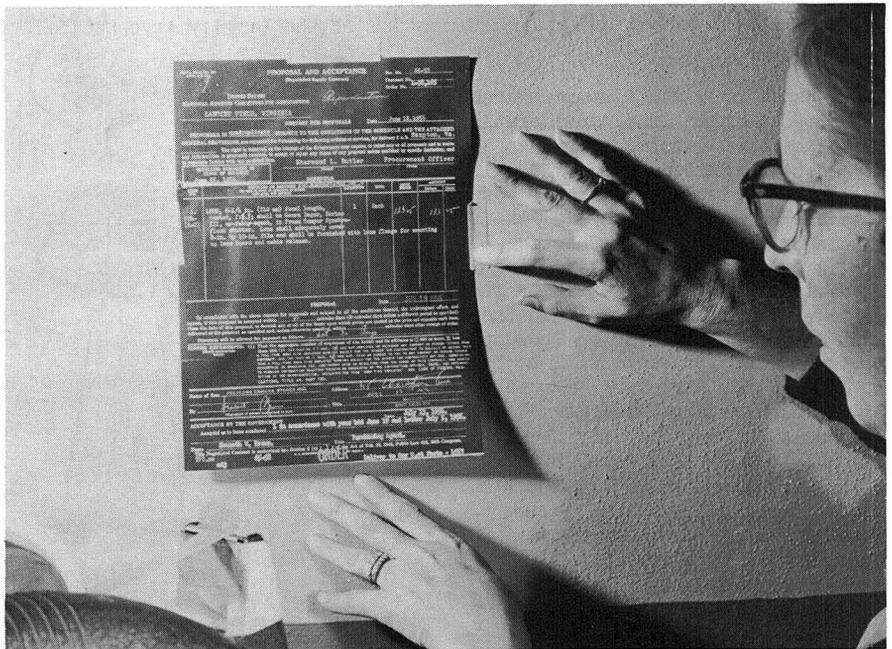
Each year Congress invests in the staff's ability to operate in a businesslike manner by appropriating funds for Langley's use. Whether the Laboratory functions at a "profit" or a "loss" in the conduct of its various aeronautical research projects depends in large measure on the full utilization of materials.

All money saved at the Laboratory through a wiser use of materials will ultimately earn dividends in the increased pride and sense of satisfaction which come from the ability to work efficiently and economically in the interest of the Government.

Each staff member has an equal opportunity to help conserve by ordering only the materials he needs and by making full use of those issued to him. After the job is completed, he may show sincerity by returning any excess material to the Stores Branch of the Procurement Division, which has a plan for accepting returned material and crediting the job order concerned. During fiscal 1956, a total of \$58,813 in excess material was returned to Stores Branch by conscientious employees and made available for reissue.

Here are some of the smaller items used at the Laboratory each day and their cost last year to the Government: Paper towels, \$2,915; pencils, \$3,206; masking tape, \$2356; welding rod, \$1,382; flashlight batteries, \$422; rope, \$1,086; paint brushes, \$3,750; shos safety goggles, \$2,088; wiping cloths, \$2,931, and scotch tape, \$1,869. The total cost of all expendable supplies and materials used at Langley during the last fiscal year was \$2,156,069.

Staff members are urged to continue making use of the materials they need on the job, but each employee is requested to reevaluate his work habits and to help wherever possible to reduce the overall cost of materials. Even a small reduction realized through the cooperative efforts of the entire staff, working as a team, would represent a sizable savings to the Government.



This is just one example of how wastage of materials can increase the cost of operations. Here scotch tape is used to post a notice on a painted wall. This practice not only is an improper use of material, but the tape mars the wall, resulting in the added cost of a paint job.

BERTOCCI WINS GOLF EVENT

The medalist round in the Activities Association's annual Golf Tournament was completed last week with Jim Bertocci, Unitary Wind Tunnel Division, taking low gross with a score of 76 for 18 holes. Melvin N. Gough, chief of Flight Research Division, and Wallace Albertson, East Model Shop, tied for runner up in low gross and for low net. Norman Richardson, IRD, was runner up in the low gross division.

The first round in the handicapped match play event by flights started this week and the first round must be completed on or before Sunday, September 16. The second round will start on Monday, September 17 and must be completed by or before Sunday, September 23.

First round losers of each flight will be rematched in flights of "beaten eights"

Awards will be given to the winner and runner up in each flight and to the winner of the "beaten eight" flights!

FOR SALE: 25,000 BTU Duo Therm space heater with thermostat. Windler, H-37998.

FOR SALE: 2 bedroom house in Wythe. Lord, Newport News-61704.

FOR SALE: 1956 house trailer and 1949 Kaiser 4-door sedan. Young, Shady Oaks Trailer Court.

SOFTBALL NEWS

The 1956 NACA softball season was climaxed by a good showing made by an NACA All Star team in the Tidewater District Slow-Pitch Tournament held in Phoebus and Fox Hill on Saturday, September 8. In the first round of the tournament the NACA team, which was selected by each of the six managers of the NACA league, took a 1-0 victory from a good American Confectionery team from Portsmouth.

In the second round the Portsmouth Islanders had to go 2 extra innings to win out over the determined NACA All Stars by a score of 3-2. The Islanders then went on to win the District Tournament which by comparison indicates that a lot of fine talent is present in the NACA Softball League.

The league officers for the 1956 season expressed their appreciation for the cooperation given them by the 6 team managers, who represented approximately 150 players, and to the Activities Association for making the appropriations needed for equipment and ground care.

FOR SALE: 4.2 cubic foot Hot Point freezer - \$85. Routten, 12 Clarke Rd.

WANTED: 2 drivers from Colonial Place to W.A. on 7 shift. Salake, 4443.

WANTED: Ride from vicinity of Dwight Rd. or Harpersville Rd. to W.A. on 8 shift. Soar, 4537.

FOR SALE: Boy's 24-inch bicycle. Sasser, H-37540.

UNITED FUND

(Continued from page 1)

their donations, staff members are requested to take into consideration that two more agencies have been added to the United Fund - Mental Health and Crippled Children - and that the community now has a Peninsula United Community Chest.

A dutch treat dinner-meeting of division chiefs and division fund drive chairmen will be held in the West Cafeteria at 12:30 on Tuesday, September 18. Speakers will be Dr. H. J. E. Reid, Director; Francis X. McNamara, Executive Director of the Peninsula United Community Chest, and Melvin N. Gough, Chief of Flight.

Assisting Girouard in the campaign plans is Germain S. Brown, Construction Engineering Branch. Vera Huckel, Vibration and Flutter, and Helen Willey, 8-foot Transonic Tunnel, will serve respectively as West and East Area financial chairmen.

The following division chairmen have been appointed for the drive: Mechanical Service - F. J. Howard assisted by Robert E. Little, Herbert C. Roehm, Robert F. Goodness, Bernard H. Curran, William J. Lawton, Eric S. Eggleston, Edmund A. Vogt, John D. Sharp, and Raymond M. Hulcher; Engineering Service - J. C. Messick; Electrical Service - C. J. Vincke and J. E. Knemeyer; Maintenance - B. H. Bland; Planning - Raymond A. Kenney; Administrative and Technical Service Offices - Indalene T. Atkins; Research Staff Office - Eldridge H. Derring; Compressibility Research - Robert W. Rainey; Instrument Research - Morton J. Stoller; Structures Research - R. R. Heldenfels and Joseph N. Kottanchik; Dynamic Loads - D. J. Maglieri; PARD - Joseph A. Shortal; Hydrodynamics - David M. Goldenbaum; Full Scale Research - Eugene R. Guryansky; Flight Research - William A. McGowan; Unitary Plan Wind Tunnel - Harry Barritt; Theoretical Mechanics - Clinton Brown; Stability Research - John W. Paulson and Ralph W. Stone; Personnel - Cecil V. Morris; Procurement - Sherwood L. Butler and David Buchanan; General Services - Robert E. Mixson and Harry H. Hamilton, and Fiscal - Sidney Parker.

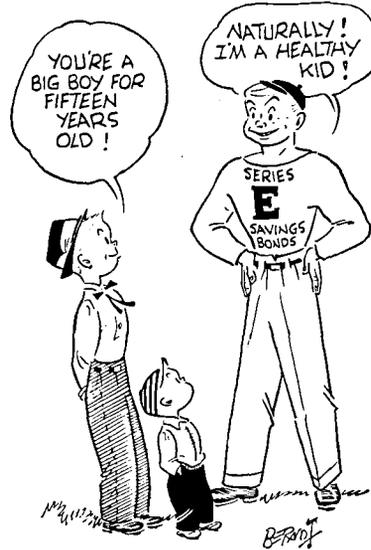
WANTED: Passengers from Gloucester to W.A. on 7 shift. Duncan, 4489.

FOR RENT: Room for 2 girls - kitchen privileges. Mrs. Stinson, Warwick 8-2619.

FOR SALE: Duo-Therm space heater-275 gallon tank. Priddy, H-35715.

FOR SALE: Roller top desk, book case, and old camera. Davis, 111 Blair Ave.

SMITTY by Berndt



RUSS MORGAN

(Continued from page 1)

orchestra in a trip abroad. On his return he was invited to Detroit by Jean Goldkette to organize, arrange for, and lead the now immortal, all star Goldkette Orchestra. This included Tommy and Jimmy Dorsey, Joe Venuti, Eddie Lang, Chauncey Morehouse, Joe Risking, Bix Beiderbecke, Howdy Quicksell and Fuzzy Farrer.

Russ and his group have been featured on CBS-TV Saturdays at 8:30 P.m. on The Russ Morgan Show.

Some of the all-time hits which Russ and his Decca-Recording band have waxed and sold in the millions are: "Does Your Heart Beat for Me" (his theme); "Cruising Down the River"; "So Tired"; "Bye Bye Blackbird" and "Forever and Ever."

Tickets to the dance are five dollars per couple and set-ups are included in the admission price. Tickets may be obtained at the door.

Table reservations may be made upon request by calling 4583. Reservations will not be held after 9:30 p.m.

FOR SALE: 1952 Nash Statesman. Warner, 106 Fox Hill Rd.

FOR SALE: 3 bedroom home in Southampton. Schock, H-35619.

FOR RENT: Furnished 3 bedroom home in Riverside - 9 month lease starting Sept. 21. Eggleston, W-84529.

FOR SALE: MW 4 hp tractor with rotary tiller, cultivators and lawn mower attachments. Burlock, Poquoson 6090.

WANTED: Alternate drivers from Buckroe to E.A. on 8 shift. Rogers, 2324.

BOARD MEMBERS

(Continued from page 1)

of Stability Research Division, Kathryn H. Peddrew, West Computers, and Anshal I. Neihouse, head of the Spin Tunnel, who have two more years to serve, and Melvin N. Gough, chief of Flight Research; Vera Huckel, Vibration and Flutter, and Clyde Thiele, head of Sheet-metal Branch, who have one more year to serve. Edward A. Howe, chief of Fiscal Division, and appointed to serve as treasurer in a continuing (ex-officio) capacity.

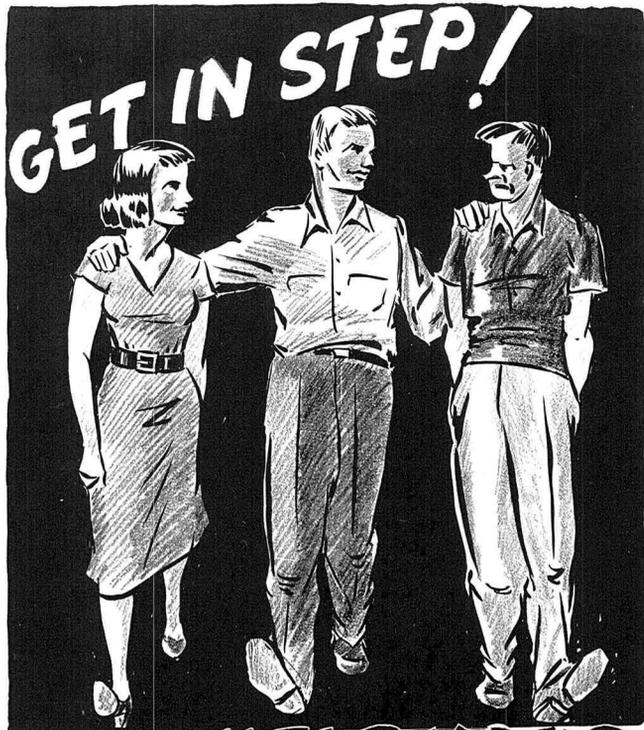
The board investigates and makes recommendations in connection with applications by welfare and charitable organizations for membership in the fund; disburses funds to member agencies in accordance with the wishes of the contributors; allots undesignated donations on the basis of need, scope of services and area of service by member agencies, taking into consideration the amounts raised by particular agencies in prior separate campaigns at the Laboratory; assists in the operation of annual United Fund drives; obtains educational material from member agencies for the benefit of the staff, and otherwise operates the United Fund on a year-round basis.

All agencies under the United Fund have to have financial aid on a year-round basis. In view of this fact, the board hopes more employees will make undesignated contributions and leave the allocating of the funds up to the discretion of the board members who are more familiar with the needs and work of each agency.

NACA MALE CHORUS BEGINS REHEARSALS

The NACA Male Chorus will begin rehearsals next week in preparation for an anticipated busy season. Last year the chorus, in its first full season under the directorship of Dr. Franklin W. Diederich, Dynamic Loads Division Office, was much in demand for public appearances. The group sang for various church, school, and civic organizations on the Peninsula and presented a "pops" concert at the Activities Building.

Dr. Diederich stated that there are openings in all voice ranges and he urges all NACA men who like to sing, whether or not they have had previous training or experience in glee club singing, to come out for rehearsal. The first meeting of the group will be Wednesday, September 19 immediately after work in the Activities Building.



HELP YOUR UNITED FUND

MOLLIE JOHNSON DIES AT AGE 43

Mollie W. Johnson, Transportation, died Sunday at the University of Virginia Hospital after an illness of several months.

Mrs. Johnson was born December 21, 1912 in Caswell County, North Carolina. She attended school in North Carolina and worked for the Danville Knitting Mills and Riverside Dan River Mills in Danville before moving to the Peninsula in 1945.



She entered on duty at the Laboratory on February 16, 1945 and at the time of her death she was a clerk in the Transportation Section.

She is survived by her husband, Allen L. Johnson, 8-foot Transonic Wind Tunnel.

ENGINEERS' CLUB MEETS SEPTEMBER 25

The meeting of the Engineers' Club of the Virginia Peninsula on Tuesday, September 25 at 8 p.m. at the Parkview School has been designated as ladies night.

Harry G. Kennedy, chairman of the West Virginia Advisory Committee on Scientific, Engineering and Specialized Personnel, will speak primarily on the subject of education of our youth under the title of "Our Natural Resources". Kennedy regards our youth as being America's greatest natural resource. He has had considerable experience in the field of educational guidance, particularly with regard to science.

Several staff members have heard Kennedy speak during previous visits and have suggested that his talk will be of great interest to club members and their wives.

STAFF URGED TO "GET IN STEP" AS FUND DRIVE OPENING NEARS

The importance that each staff member "get in step" and assume his share of responsibility to the community was stressed this week by Robert L. Girouard, head of the Laboratory's third annual United Fund Drive, at a meeting of division chiefs, division fund chairmen, and other campaign workers.

"I appreciate Dr. Reid's expression of confidence by appointing me chairman of the drive and a member of the organization's Board of Directors", Girouard said. "I also want to thank the division chiefs and division chairmen for their excellent assistance and cooperation and I feel confident that we can complete this campaign in a vigorous, one-day effort on Friday, October 5."

One of the highlights of the meeting came when the campaign workers attending the dutch treat luncheon gave the Laboratory effort a big boost by making their own contributions. The group participated 100 percent and contributions averaged better than a day's gross pay.

Dr. H. J. E. Reid, Director, stated that the United Fund has grown into an organization in which the Laboratory can be proud. He pointed out that the one drive a year has created an atmosphere whereby staff members are giving more cheerfully and generously to this worthwhile cause. He also expressed his appreciation to the staff for the confidence they have shown in the Board of Directors of the Laboratory's United Fund organization. Last year 65 percent of the staff made undesignated pledges, leaving the allocation of the funds up to the discretion of the board.

Melvin N. Gough, chairman of the Laboratory's first United Fund effort in 1954, stated that by contributing to the United Fund we are "working for something that we may all have need of sometime." He also pointed out that the United Fund idea has been carried over into the community with the organization of the Peninsula Planning Council. The function of this group is to make a thorough study of all the agencies on the Peninsula to determine their functions and needs, to see that there is no duplication of service between agencies, and to give the community more service dollar-for-dollar.

Francis X. McNamara, Executive Director of the United Community Chest of Newport News-Warwick-Hampton, described the united fund as a grown-up community chest. He urged staff members to concentrate on budget giving which, he pointed out,

(Continued on page 4)

Air Scoop, September 21, 1956
Vol. 15, Issue 38

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Editor.....Ruth Angel Verell

Staff Photographer.....Bill Taub

Reporters.....Langley Employees

The Air Scoop is printed by the Mechanical Reproduction Staff.

GROUP OPENS TENTH SEASON

The Peninsula Orchestra has opened its tenth annual membership drive by announcing the program for the season. Three concerts will be presented.

The first concert to be held November 29 will feature the orchestra in a performance of Beethoven's Fifth Symphony and other orchestral selections. The second concert on February 14 will present Jean Madeira, leading mezzo-soprano of the Metropolitan Opera Company as guest artist. Mis Madeira has been widely acclaimed for her performances of "Carmen" and will include selections from this opera. She is currently touring the principal opera houses of Europe and will appear on the Peninsula almost immediately upon her return. The third concert on March 7 will present Mme. Aline Van Barentzen, one of the greatest living piano virtuosos in a performance of the Grieg piano concerto. Mme. Barentzen currently teaches an artist class in piano at the Paris conservatory of music. This fall she will give the first Parsian performance of a new concerto by the noted contemporary composer, Heitor Villa-Lobos.

Among the laboratory employees associated with the orchestra are Roger W. Peters, Structures, who plays the double bass; Herbert A. Wilson, Jr., Unitary Tunnel Division, president of the association, and J. Nelson Daniel, Full Scale Tunnel, and John W. Paulson, Free Flight Tunnel, members of the board of directors.

Season memberships are five dollars for adults and one dollar for students. Memberships and additional information may be obtained from any of the above personnel or from Arthur W. Carter, Hydrodynamics, or A. E. von Doenhoff, Full Scale Division.

REFRESHER COURSES OFFERED TO STAFF

Refresher courses in the fields of Civil, Mechanical and Electrical Engineering, in preparation for the Virginia Engineering registration examination, will be offered this fall through the facilities of the College of William and Mary.

Registration will begin at 7 p.m. on Thursday, September 27 in room 102 of the Apprentice School of the Newport News Shipbuilding and Dry Dock Company. The cost will be \$28 for 48 hours of instruction. Class periods and meeting days will be arranged with the instructor.

For further information contact Henry Thornton, W-86432.

FOR SALE: 104 feet of picket fence. Wilson, W-81344.

LIFE AT THE LABORATORY

Congratulations.

to Walter Harmon Shuey, co-op student, upon receiving a State scholarship from V.P.I. for the 1956-57 academic year. Shuey, who is a member of the 1956 graduating class at Hopewell High School, will enter V.P.I. this month as a freshman in the co-operating engineering course in cooperation with the NACA. Shuey's scholarship is worth \$300 and it was awarded on a competitive basis. Recipients of this award must rank in the upper fourth of their graduating class or make a score on a standard aptitude test which places them in the upper half of college freshmen according to national norms.

Weighing in.

at eight pounds, eight ounces on Saturday, September 8 was Ray Noel, new son of Percy R. Keffer Jr., formerly of 16-foot Transonic Tunnel. The proud grandfather is Percy Keffer, Woodworking Branch.

Making plans.

to join the ranks of newly weds is Dorothy Sue Caffee, Report Typing. She is engaged to Cecil Brown, Newport News, and the wedding will take place in November.

During his travels.

the stork stopped by the Johnny Campbell household on Wednesday, September 12 and delivered a new heir, Mark Robinson. The proud father is head of Free Flight Tunnel.

The monthly meeting.

of the Langley Yacht Club will be held on Tuesday, September 25 at 7:30 p.m. in the Special Service Boat House. Several important proposals will be acted upon including the appointment of the nominating committee and plans for a fall dinner-dance. Following the meeting there will be a showing of an aquatic film.

A Laboratory romance.

reached the engagement stage when Gloria Freeman, Pilotless Aircraft Research, and Jack McDonough, Instrument Research, announced their engagement. The wedding has been scheduled to take place in January.

Drama enthusiasts.

are invited to attend the tryouts of the Little Theatre of Newport News-Warwick, Inc., on Sunday, September 23 at 2:30 p.m. and Tuesday, September 25 at 7:30 p.m. in the former WGH studios at 24th Street and West Avenue. "The Tender Trap", a new comedy by Max Schulman and Robert Paul Smith, has been selected as the group's fall production.

Celebrating.

the arrival of a seven pound, eight ounce daughter on Monday, September 17 is Gordon Ferrall, E.I.C.S.

Arriving.

just in time to make the Air Scoop deadline was a new heir who was delivered to the Franklin Barefield household on Tuesday, September 18. The new son weighed in at five pounds, seven ounces and the proud father works in General Aerodynamics.

Many thanks.

Norma Livesey, Central Files, wishes to express her sincere thanks and appreciation to the many staff members who were so kind during her recent illness and especially to the employees who donated blood for her emergency operation in a West Virginia hospital.

CAMERA CLUB PLANS BOAT FIELD TRIP

At the meeting of the Langley Camera Club held last week, a slide lecture on night photography was presented by Alvin Morewitz, Tank I. Anyone who missed this lecture and would like a pamphlet showing the night photos should contact Morewitz, 2213. It was also announced that the club is now an official member of the "Photographic Society of America". The club dues were fixed at 5 dollars per year with the year starting in September and ending in August. The club officers will continue to maintain the July to June fiscal year.

The next club event will be a boat field trip on Saturday, October 13 from 1 to 5 p.m. All prospective members may contact Morewitz concerning this trip. No children under 6 may attend and children between the ages of 6 to 12 must furnish their own life jackets. Only pictures taken on this trip may be entered in the November 5 black and white or color contests. Preceding the contest David Willment, Technical Illustrators, will lecture on composition.

At the club meeting on October 8 at the Air Force Service Club No. 1, a color slide contest will be held.

New members may contact Pat Gainer, 4478, for payment of dues.

SEAFOOD FESTIVAL PLANS ANNOUNCED

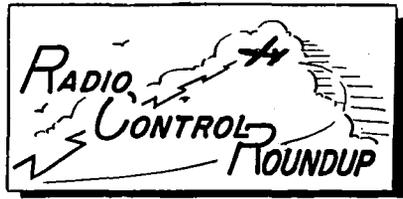
The swing and sway music of Sammy Kaye and his orchestra will highlight the 1956 Seafood Festival which will be held during the early part of October. Plans for this year's 3-day affair include four dances, a parade, and the Seafood Feast on the Armstrong School field. Peninsula wide balloting is already under way to select Queen Lorelli VII.

The Queen will be announced at the Princesses Ball on Friday, October 5 which will be the first of two evenings of dancing to the music of Sammy Kaye. On Saturday, Sammy will also play for the Queen's Ball.

Saturday's dance is already reported a near sell-out, but tickets for the Princesses Ball and the Seafood Feast may still be obtained from Laboratory members of the sponsoring Hampton Lions Club. They include Joe Braig, Alton Buchanan, Bill Gracey, Rudy Heinatz, Francis Little, Bill Nelson, and Joe Shortal.

WANTED: Ride to Pittsburgh or vicinity around Oct. 1. Geier, H-33071.

WANTED: Alternate driver from Wythe to W.A. on 8 shift. Hooker, 4745.



Forty flights were made last Sunday at the first monthly meet of the Southeast Virginia Radio Control group. From 2:30 until dark an average of 10 flights per hour were made. This concentration of flying activity has only been equalled before during the group's annual meets with more flyers involved. Sunday's session had 11 flyers with a total of 14 models. John Worth, Flight, and I.E. Beckwith, Supersonic Aero, made the most flights with 6 each, followed by Don Hewes, Free Flight, with 5.

Beckwith ended up top man in scoring but was closely contested right up until the close of flying which was forced by darkness. He will be awarded possession of the club trophy at the next club meeting on Tuesday, October 2 at 8 p.m. in the Activities Building.

Most spectacular contribution to the meet was made by Nate Rambo, Free Flight. At the end of a long flight of battling against a stiff wind and with a lot of altitude accumulated, his 8' span, 13 pound model suddenly went into a spiral dive. The cause was apparently a wing structural failure for after several turns in the dive a wing panel tore loose. Recovery of the remains was followed by a brief last rites ceremony and a burning of the wreckage.

DANCING CLASSES START SEPT. 26

Cecil Burtner, chairman of the social committee, announced that the Activities Association will sponsor the third in a series of dance instruction classes at the Activities Building on Wednesday nights. Wally Evans, a former instructor for the Arthur Murray Studios, will teach the class.

The classes are being offered to both advanced students and beginners. The advanced class will meet at 8 p.m. and the beginners will meet at 9 p.m.

A fee of ten dollars per person for ten lessons will be charged. Each individual must have a partner; therefore, the class will be open to couples only. Classes will start on Wednesday, September 26.

Persons desiring to enroll are requested to indicate their interest by sending a memorandum to Burtner, Flight Operations, by the close of business on Tuesday, September 25.

BOWLING NEWS

MONDAY DUCKPIN LEAGUE

Stability won all three games to move into a tie with Flight for first place. Hot Chips lost all three games to drop from a tie for first to a two-way tie for sixth. High scores were rolled by Walter Bresette with a 156 game, E. C. Mattson with a 376 set, and May Meadows with a 118 game and 333 set.

STANDINGS

Team	W	L	Avg.
Flight	5	1	.833
Stability	5	1	.833
Jets	4	2	.667
Loads	4	2	.667
Vibrators	4	2	.667
East Machine 1	3	3	.500
Hot Chips	3	3	.500
Free Flight Fliers	2	4	.333
Scotch and Tapers	2	4	.333
24-inch	2	4	.333
East Machine 2	1	5	.167
Structures	1	5	.167

WEDNESDAY DUCKPIN LEAGUE

After the first night of bowling in the Wednesday league, Rebel Bombers, Pinhookers and West Model are tied for first place with a perfect record of 3 wins and no losses. High scores for the night were rolled by Conrad Willis with a 141 game, Jim Link with a 363 set, Ann Igoe with a 107 game and Becky Akin with a 284 set.

STANDINGS

Team	W	L	Avg.
Rebel Bombers	3	0	1.000
Pinhookers	3	0	1.000
West Model	3	0	1.000
Hot Shots	2	1	.667
Cosmoes	2	1	.667
16-foot	2	1	.667
I.A.B.	1	2	.333
Gashouse Gang	1	2	.333
IRD	1	2	.333
Ribs	0	3	.000
Sugnas	0	3	.000
DFIS	0	3	.000

VOLLEY BALL NOTICE: Teams or individuals interested in playing in the NACA Volley Ball League this year are asked to contact Jim Adams, 4510.

WANTED: Home for kittens. Brosier, H-6462.

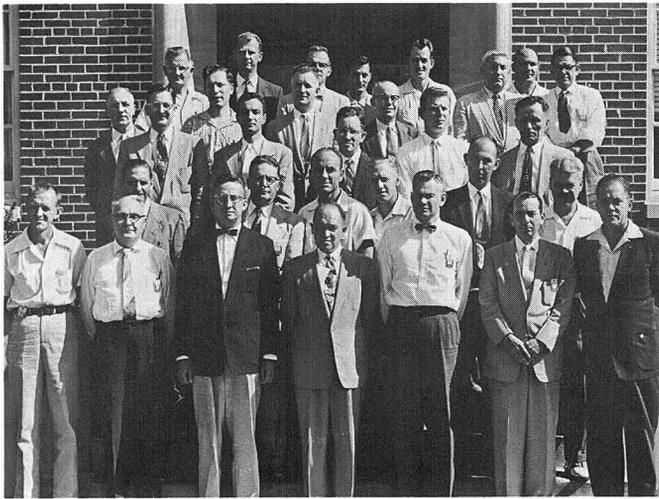
FOR SALE: Baby bed with springs and mattress. Smoot, H-37535.

FOR SALE: Piper P-12 seaplane - 3 passenger. Rust, H-36327.

FOR RENT: House at 464 Algonquin Rd. Mrs. Griffin, H-6147.

FOR RENT: Room for gentleman. Mrs. Mansfield, H-30848.

FOR RENT: Room for girls - board if desired. Serio, W-82246.



Shown in the photograph on the left are the division chairmen for the Laboratory's United Fund Drive. They are front row (from left): Herbert C. Roehm, Bernard Curran, J. C. Messick; E. R. Guryansky, John Knemeyer, Sidney Parker, and Harry Barritt. Second row - Raymond Hulcher, Eldridge Derring, Joseph A. Shortal, Cletus J. Vincke, Raymond Kenney, and David Buchanan. Third row - R. R. Heldenfels, R. W. Rainey, Ralph Stone, H. Benjamin Bland, and Joseph Kotanchik. Fourth row - Francis J. Howard, Morton Stoller, Sherwood

Butler, Cecil Morris, Joseph Getsug, and Robert Goodness. Fifth row - Eric Eggleston, Jack Paulson, W. A. McGowan, D. J. Maglieri, F. E. McLean, and David M. Goldenbaum. Absent when the picture was taken were Indaline Atkins, Clinton Brown, Robert E. Mixson, Harry Hamilton, Robert Little, William Lawton, Edmund A. Vogt, and John D. Sharp. In the photograph on the right Dr. H. J. E. Reid, Director, launches the Laboratory campaign by making his contribution to Robert W. Mulca, solicitor.

UNITED FUND

(Continued from page 1)

means contributing according to need rather than emotion.

McNamara urged employees to keep in mind that they are giving to 36 agencies under the Community Chest plus the other six groups that will benefit from the United Fund drive. He suggested that staff members divide their donations by 42 instead of 7 and decide if the organizations can exist for 12 months on that amount.

"Last year", McNamara stated, "18,400 families on the Peninsula were serviced by these various organizations. This figure represents 38 percent of all families on the Peninsula. We formerly thought in terms of giving to help others but now it's giving to help ourselves. Most all families benefit directly or indirectly from this giving. Their benefits may come through the Boy Scouts, the Girl Scouts, Visting Nurses, Red Cross or in many other ways."

When asked what yardstick employees should use in determining their contributions, McNamara pointed out that a survey by Federal Reserve Banks in four large areas showed that the percentage of gross salary pledged to the Community Chest agency alone was as follows: 1/2% for salaries ranging from \$4,500-\$5,000; 6/10% - \$5,000-\$7,500; 8/10% - \$7,500-\$9,000; 1% - \$9,000-\$10,000; 1 1/4% - \$10,000-\$12,500, and 1 1/2% - \$12,500-\$15,000. He also stated that several small local companies whose

employees fall in the lower income bracket gave an average last year of \$14 per employee.

Kick-off meetings of solicitors are scheduled for Tuesday, September 25. East Area solicitors will meet at 9 a.m. in the projection room of the Administration Building, and West Area solicitors will assemble at 10:30 a.m. in the Activities Building.

Organizations benefitting from the Laboratory United Fund are as follows:

Virginia Association for Mental Health, Society for Crippled Children and Adults, American Cancer Society, American Red Cross, Crusade for Freedom, Peninsula Heart Association, and the Community Chest.

Included in the Community Chest are the following 36 organizations: American Social Hygiene, Inc.; Armed Services, YMCA; Boy Scouts of America, Peninsula Council; Boys' Club; Catholic Home Bureau; Cerebral Palsy Training Center; Children's Home Society of Virginia; Cooperative Welfare League of Warwick; Family Counseling Service; Florence Crittenton Home; Girls' Club; Hampton Federation, PTA; Hampton Girl Scout Council; Hampton PTA Council; Hampton Roads Boys' Club; Hampton Roads Speech Correction Center; Hampton Visiting Nurse Association; Health Committee, PTA's, Newport News;

Also Instructive Visiting Nurses, Newport News-Warwick; King Street Community Center; King's Daughters of Warwick; Mental Hygiene Clinic; Na-

ADULT EDUCATION

Registration for adult courses at Hampton High School will be held on Monday, Wednesday, and Thursday beginning September 24.

Courses will include training in the fields of business, home making, academic subjects, technical related subjects, and special interest courses.

The following courses are being offered this semester: Typing I and II, Shorthand I and III, Bookkeeping I, Sewing I and II, Interior Decorating, Algebra I and II, Algebra Review, Geometry, Trigonometry, Applied English, Public Speaking, Basic Reading and Spelling, Americanization, Home Builders Forum, Musical Literature, Art I and II, Woodworking, Electronics I, Theory of Electricity, and Drafting and Blueprint Reading.

Persons interested may register from 7 to 9 p.m. on Monday, Wednesday, and Thursday at the main entrance to the high school.

WANTED: Ride or driving combination from Wythe to W.A. on 7 shift. Newport News 4-5384.

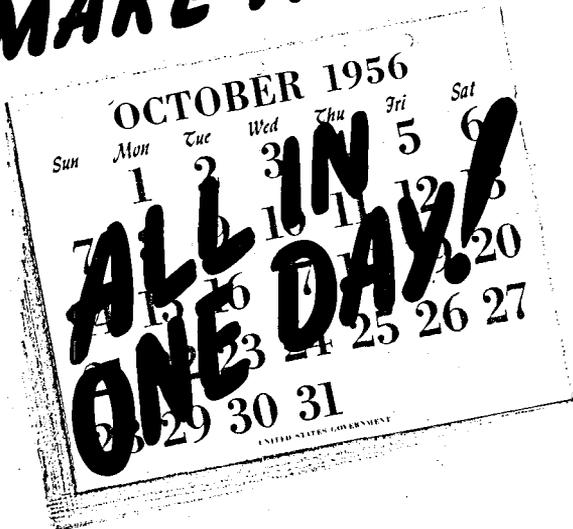
tional Recreation Association; Newport News-Warwick Girl Scout Council; Peninsula Welfare Planning Council; PTA Council of Newport News; Salvation Army, Hampton; Salvation Army, Newport News; Travelers' Aid Society; U.S.O.; United Community Defense Services; United Seamen's Service; Weaver Orphan Home; Young Men's Christian Association; Young Women's Christian Association, Central Branch; Young Women's Christian Association, Phyllis Wheatly Branch.



ONE-DAY CAMPAIGN SET FOR OCT. 5

STAFF TO BE CANVASSED DURING EIGHT-HOUR EFFORT

LET'S MAKE IT



Kick-off meetings of the more than 200 solicitors for the Laboratory's third annual United Fund drive were held this week. Robert L. Girouard, drive chairman, expressed his confidence that the teamwork and excellent cooperation of all staff members will result in a successful one-day campaign effort on Friday, Oct. 5. On "United Fund Day", which has been designated as next Friday, a canvass will be made of each staff member in an effort to complete the drive in a vigorous, one-day effort. At the close of the day, campaign workers hope that every person on the Laboratory staff will have signed a pledge or made a cash contribution to the United Fund.

Girouard is urging employees to know their solicitors and to cooperate with them in making this the most successful one-day drive ever held at the Laboratory. Employees who expect to be on leave next Friday, are asked to contact their solicitors before hand and arrange to make their pledges.

In an effort to complete the drive in an intensive, one-day solicitation, emphasis is being put on employee pledges which will be paid on a quarterly basis in equal installment in November, February, May and August.

Division chiefs have indicated to division fund chairmen that they will give full support to solicitors in assuring success of the one-day drive.

The solicitors and their activities are as follows: E. W. Randolph, D. E. Potts, R. E. White, W. E. Arnold, and W. J. Dale, West Sheetmetal; John Dupere and Harry Thompson, East Machine; Paul Geiger and George Adamowski, East Model; Sarah O'Keefe and William Lawton, West Model; Robert Barker and Eric Eggleston, East Sheetmetal; Ralph Price, Model Finishing; James W. Castle, Rigging and Structural Steel; Anne Bristow and Frances Powell, Instrument Construction; Patricia Folwell, David L. McCraw, John Turlington, Fred Taub, D. R. Hayes, John Warhol, and Elvin Freeman, West Machine; Frank Plotz and Samuel Plott, EIGS; Charles Shobe, and Jack Kinzler, Heat Treating, and James T. McNamara, Dynamic Model;

John Doyle, Instrument Engineering; Martin Brennan, Mechanical Specifications; H. H. Dewhirst, Inspection; Gloria McDaniel and K. D. Osborn, Equipment Engineering; W. T. Thornton and H. F. Web-

UNITED FUND

CHARLES INSLEY DIES AT AGE 75

Charles H. Insley, retired employee, died at his home in Messick on Thursday, September 20. He was 75 years old at the time of his death.

Insley was born in Messick on November 7, 1880. He attended Poquoson School and served as a ship joiner with the Newport News Shipbuilding and Dry Dock Company from 1918 to 1928. In 1928 he went into the contracting business for himself. He gave up his business in 1942 and joined the Laboratory staff on June 18, 1942 as a carpenter in the Construction and Repair Section.

He retired from the Laboratory on December 6, 1955 after serving more than thirteen years on the Committee staff.

Air Scoop, September 28, 1956
Vol. 15, Issue 39

62 APPRENTICES START TRAINING

The sixteenth year of the NACA Apprentice School opened this month with 62 new students beginning the studies required for them to earn a journeyman certificate.

The new apprentices join 107 other members of the school's student body.

The new students and the activities to which they have been assigned are as follows.

E.I.C.S. - Charles Gear, Wayne Wagner, William Lane, Conrad Smith, Earl German, Robert Karcher, Cecil Burcher, Daniel Solomon and Clair Gay.

Instrument Construction - Charles Bradshaw, William Burgess, Ellis Hogge, Stephen Devan, James Tomlin, Thomas Moore, Benjamin Urdike, Reginald Wingfield, and John Price.

West Machine - John Walker, George Summerfield, Raymond Burris,

(Continued on page 3)

(Continued on page 3)

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia, is published weekly in the interest of its employees. Address contributions to the Editor, Administration Building, telephone 2376.

Editor.....Ruth Angel Verell
 Staff Photographer.....Bill Taub
 Reporters.....Langley Employees
 The Air Scoop is printed by the Mechanical
 Reproduction Staff.

LIFE AT THE LABORATORY

Weighing in.

at six pounds, thirteen ounces on Tuesday, September 18 was Pamela Mason, new daughter of Erskine White, West Engineering Section.

Announcing.

the arrival of a daughter, Mary Susan, on Tuesday, September 25 are Margaret, Vibration and Flutter, and Bob Freeman, Dynamic Model Engineering. The proud grandfather of the new heiress is Robert E. Mixson, Chief of General Services Division.

Walking on air.

in a manner typical of a new father is Bill Cofer, Systems Engineering. He became the father of a son on Tuesday, September 18.

Dan Cupid.

scored a victory this week when Dolores Lockard, Stenographic and Clerical Section, announced her engagement to Lester Leroy Roberts Jr., of Port Arthur, Texas. The wedding will take place on November 22 at St. Rose of Lima Catholic Church, Wythe.

Midnight serenade.

Keeping the Edgar Parr household awake nights is a new daughter who arrived on Saturday, September 8. The proud father works in East Erection Shop.

During his travels.

the stork stopped by the Eugene Moroz household on Monday, Sept. 17 and delivered a daughter. The father works in Instrument Research Division.

The pay day.

game night, sponsored by the Activities Association, will be held on Thursday, October 4 at 8 p.m. in the Activities Building.

Still more babies.

Passing out cigars and candy is Melvin Kuhns, Instrument Construction. He became the father of a son on Wednesday, September 19.

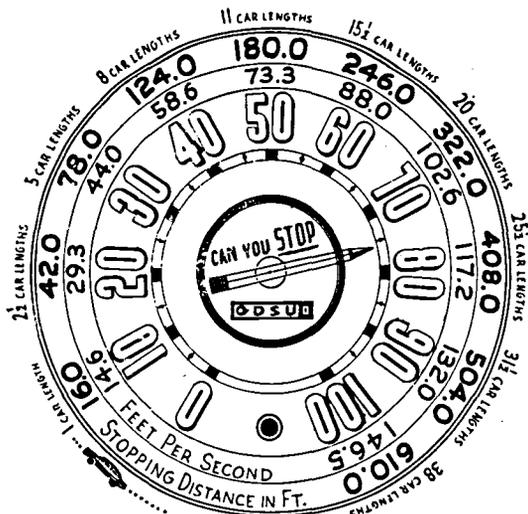
Walking the floor.

nights is Russell Parr, East Erection Shop. He became the father of a son on Friday, September 21.

The Promenaders Square Dance Club.

will begin its fifth season tomorrow night at the Activities Building. Lou Hildebrand, of Alexandria, will be guest caller. The dance is scheduled to start at 8:15 p.m. with a refresher session starting at 7:45 for those who would like to polish up their techniques beforehand. The club holds dances every other week. This year most of the dances will be held at Wythe Elementary School with occasional dances scheduled at the Activities Building. The only requirement for club mem-

DRIVER'S GUIDE FOR SAFE STOPPING



76 miles per hour - 111.5 ft. per second
 ...CAN YOU STOP?
 CHECK FOR YOURSELF ON CHART

MILES PER HOUR	FEET PER SECOND	REACTION		STOPPING DISTANCE IN FEET	
		TIME IN SECONDS	DISTANCE Travelled in feet	AFTER BRAKES APPLIED	TOTAL Including Reaction Dist.
5	7.3	.75	5.5	1.2	6.7
10	14.6	.75	11.0	5.0	16.0
20	29.3	.75	22.0	20.0	42.0
30	44.0	.75	33.0	45.0	78.0
40	58.6	.75	44.0	80.0	124.0
50	73.3	.75	55.0	125.0	180.0
60	88.0	.75	66.0	180.0	246.0
70	102.6	.75	77.0	245.0	322.0

This is not an illustration for the motion picture, "Dial M for Murder." It is a unique speedometer chart which provides safe-stopping information designed to help prevent murder on the highways. Developed by a woman safety director in the Army, the chart shows the travel speed plus actual feet per second travelled, the stopping distances, and the equivalent car lengths involved in the stopping distances of motor vehicles. The chart vividly illustrates the dangers of speed on the highway and the importance of constant alertness. The California Highway Patrol reportedly vouches for the accuracy of this thought-provoking chart - stating that the information has been verified by every day experience. Laboratory staff members are urged to study the chart to find their key to safe stopping. (The stopping distance in feet in the chart is figured for a dry street. The chart is used through courtesy of Safety Standards, bimonthly publication of the Bureau of Labor Standards of the U.S. Dept. of Labor).

bership is a knowledge of square dancing. For those who are interested in square dancing but lack the "know-how", a beginners class is being organized. The course will consist of 10 lessons and the cost will be one dollar per couple per lesson. The time and meeting place will be determined as soon as a sufficient number of persons sign up. For more details call Warwick 8-1673.

FOR SALE: 2 electric trains and accessories, oil floor furnace and tank, boy's 26-inch bike. Chauvin, H-34377.

WANTED: Used books of all types for book sale for scholarship fund sponsored by the A.A.U.W. Hampton Branch. Call Warwick 8-5540, 8-5012, 3-6616 or H-5681.

UNITED FUND

(Continued from page 1)

er, West Engineering; Bill Ramsey and Bob Freeman, Dynamic Model Engineering; Edwin Moggio and Chester Robbins, Construction Engineering; C. B. Kline and Charles Heath, East Engineering; Bart Geer and Bill Cofer, Systems Engineering, and John L. Hudson, Engineering Service Division Office and Branches;

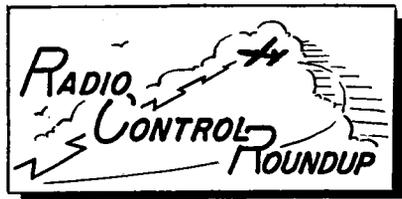
H. P. Lishman, C. W. Phillips, H. P. Watkins, R. C. Wilson, J. R. Powell, R. B. Forrest, K. N. Cole, James Goodwin, Joseph Cockrell, Marilyn Monismith, and Polly Redman, Electrical Service Division; William H. Payne, Earl Williams, Arthur Grow, Harry Slear, C. J. Parker, Jack Booth, Henry Williams, Francis Maher, Benjamin Holloway, Raymond Woods, Fred Posey, Albert Stacey, and Murray Edwards, Maintenance Division; R. A. Kenney, Planning Office; Indie Atkins, Administrative and Technical Service Offices; R. W. Mulac, Headquarters; Martha Upshur, Editorial Office, and Christine Richey, West Computers;

Mary Jackson, J. P. Gapcynski, John Comer, and Leroy Spearman, 4-foot; Emma Landrum, 24-inch; Wayne Erickson, 9-inch; Doris Baynes, 11-inch; Fred Smith, High Mach Number Jet Group; Dot Hicks, Edna Bartlett, Shirley Trant, John L. Simmons and William Barchers, Gas Dynamics; Helen Creekmore and Duval Hudson, Cascade Aerodynamics; Allen Vick and Allen Fitch, Internal Aerodynamics, and Mary Catlett, Compressibility Research Division Office;

Connie Parker, Leon Harbaugh, Walter Weller, Opal Davis, Ted Larson, John Joyce, Carl Rumble, R. S. Rock, W. E. Cason, C. N. Robeson, Carl Noce, Earl Popp, Troy Williams, Don Premo, Paul Yeager, W. B. Jones, Numa Thomas, Charles Marple, C. A. Gurtler, Jack Zanks, Sam Ailor, J. K. Ferguson, Ted Sims, James Stitt, R. O. Sawyer, H. H. Youngblood, Kit Carson, Dorothea Harkins, Elmer Smith, and Billie Short, IRD; Richard J. Rosecrans, Fred Schmidt, Lillie Belle Evans, Harvey McComb, and Richard A. Pride, Structures Research;

Phil Edge, Ben Milwitzky, Jerome Engel, Alfred Schultz, and D. J. Maglieri, Dynamic Loads Division; Agnes Dunkley, David Stone, Clarence Gillis, L. T. Chauvin, M. A. Faget, Carl Baab, Guy Thibodaux, A. C. Bond, and Sue Saunders, PARC; David M. Goldenbaum, V. L. Vaughan, and Bernard Weinflash, Hydrodynamics; Jane Moore, Jack Smith, Doris Burk, Elmer Horton, Sarah Terry, Elsie Parker, Betty Stafford, and Charlie Clark, Full Scale Research Division; Norman Silvers, Donald Babb, Jim Bertoci, and Nellie Medaris, Unitary Plan Wind Tunnel;

Betty Revell, Eloise McGehee, Garland Morris, John Worth, M. E. Buckley, W. E. Howard, W. D. Bailey, R. G. McCann, T. H. Skopinski, R. A.



Last Sunday the club had another good flying session. Eleven radio control planes were on hand and approximately thirty flights were made. Jim Penland, 11-inch Hypersonic Tunnel, contributed two fine flights and is ready to join the "regulars" who have been doing much consistent flying during the past few weeks. His model, an original design, was built over a year ago and has been modified by a change in type of receiver and actuator, plus some refinements in the engine installation. The result is an excellent flying model which many believe will be a top performer if Jim adds elevator control to the existing rudder setup.

Highlight of the day was some "combat" flying by John Worth, Flight, and Ernie Bennett, of Norfolk. Each was operating on a different radio frequency so simultaneous flight was possible. Worth's model stayed on the tail of the other during much of the time except during the most spectacular moment - a head on pass that almost wiped out both ships!

General flying was normal and consistent, though hampered by wind most of the day. Ivan Beckwith, Gas Dynamics, continued his usual smooth flying with fine landings that have become typical of his Sea-Cat. Don Hewes, Free Flight, indicated he is ready for higher power in his model which has flown beautifully in calm weather but was bothered most of the day by the lack of wind penetration.

The group is preparing to make a strong showing at the annual Fentriess meet near Norfolk next month. Plans for this event will be discussed at the next club meeting on Tuesday, October 2 at 8 p.m. in the Activities Building. Movies of recent flying sessions will be shown.

Champine, David Sutherland, L. H. Ludi, and Harold Crane, Flight; Rita Engleburt, Steve Farmer, and F. E. McLean, Theoretical Mechanics; Robert H. Kirby, James Bowman, Joe Denn, Miriam Huggins, Bill Letko, Kenneth Spreeman, Hazel Redding, and D. R. Croom, Stability Research Division; Barbara Hogge, Mary Carmines, Edward Boswell, Personnel; C. E. Ledbetter, Ames Ferguson, and Mary W. Hillery, Procurement; Jean Elliott, Oneda Moore, Clara Anderson, Bertha Lackey, Nancy Thompson, and Murrell Landrum, General Service Division; James Freeman, Fred Waynick, and Iris Martens, Fiscal Division.

BOWLING NEWS

MONDAY DUCKPIN LEAGUE

Flight, Stability, Loads, and East Machine 1 are all tied for first place with 6 wins and 3 losses each. High scores for the week were rolled by Bill Letko with a 146 game, Henry Lee with a 384 set, and Helen Dupere with a 123 game and 348 set.

STANDINGS

Team	W	L	Avg.
Flight	6	3	.667
Stability	6	3	.667
Loads	6	3	.667
East Machine 1	6	3	.667
Hot Chips	5	4	.556
Scotch and Tapers	5	4	.556
Jets	4	5	.444
Free Flight Fliers	4	5	.444
Structures	3	6	.333
24-inch	2	7	.222
East Machine 2	2	7	.222

WEDNESDAY DUCKPIN LEAGUE

Rebel Bombers and West Model continue to lead the Wednesday league with a perfect record of six wins each. High scores for the week were rolled by James Justice with a 161 game and 393 set, Oneda Moore with a 109 game and Ann Igoe with a 294 set.

STANDINGS

Team	W	L	Avg.
Rebel Bombers	6	0	1.000
West Model	6	0	1.000
Pinhookers	5	1	.833
Cosmoes	5	1	.833
IAB	4	2	.667
Hot Shots	3	3	.500
16-foot	3	3	.500
Ribs	2	4	.333
Gashouse Gang	1	5	.167
IRD	1	5	.167
Sugnas	0	6	.000
DFIS	0	6	.000

APPRENTICES

(Continued from page 1)

Dwight Stroupe, Robert Anderson, Richard Holt, Lamarr Beatty, Frank Plott, Karl Michaelis, and William Wallace.

Instrument Service - Kelley Hinnant.

Electrical Shop - Elbert Powell, Carol Byrum, John Moore, John Wainwright, Shelton Barnes, Richard Wallace, Franklin Goodson, Edward Covington, Thomas Guerrant, Willie Lucento and Rodney Smith.

Flight - Ernest Higgins.

West Sheetmetal - Thomas White-man, Herbert Greene, Jack Kayton, Charles Spear, Henry Bunting, George Townend, Boyd Wilfong, Frederick Tomlinson, Junis Brown, and Clarence Moore.

East Machine - Willia Shearin and Kenneth Seals.

FOR SALE: "High Speed Aerodynamics" by Hilton and "Elements of the Differential and Integral Calculus" by Granville, Smith and Longley. Training Office, 2256.



Solicitors for the Laboratory's third United Fund Drive are East Area (top photo) - Front row (from left): C. B. Kline, Charles Heath, E. B. Boswell, David M. Goldenbaum, John L. Dupere, F. M. Smith, J. S. Bowman, Harry Thompson, Steve Farmer, R. H. Kirby, George Adamowski. Second row - Sarah Terry, Mary Carmines, Elsie Parker, Polly Redman, Rita Engleburt, Nancy Thompson, Jane Moore, Martha Upshur, Dora Perry, Barbara Hogge, Emma Landrum, Iris Martens, Sarah O'Keefe, Betty Stafford, Elizabeth Woodall, and J. T. McNamara. Third row - Paul Geiger, Chester Robbins, Victor Vaughan, Jack Smith, Edwin Moggio, Robert Barker, J. S. Denn, Bill Cofer, Bart Geer, Jack Booth, Raymond Wood, and George Hellman. West Area (second photo) - Front row - R. A. Champine, F. E. McLean, John Comer, D. E. Potts, W. J. Dale, R. E. White, Sam Plott, Troy Williams, Murrell Landrum, Martin Brennan, L. H. Ludi, David Buchanan, Phil Edge, J. E. Ferguson, Norman Silvers, Robert Mulac. Second row - W. E. Cason, E. W. Randolph, Charles Gurtler, Henry Williams, Carl Noci, Helen Creekmore, Gloria McDaniel, Mary Jackson, Mary Catlett, Doris Baynes, Sue Saunders, Betty

Revell, Lillie Belle Evans, Dorothy Harkins, Nellie Medaris, Mary Hillery, Fred Schmidt, Harvey McComb. Third row - Jack Zanks, Sam Ailor, Elmer Smith, Jack Kinzler, F. Plotz, Fred Posey, David Stone, Clarence Gillis, R. J. Rosecrans, J. P. Gapcynski, Fred Waynick, Elvin Freeman, K. D. Osborn, R. A. Pride, J. W. Castle, D. L. McCraw, R. O. Sawyer, Leroy Spearman, C. E. Ledbetter. Third picture (West Area) - Front row - Jerome Engel, Fred Taub, D. R. Hayes, H. H. Dewhirst, John L. Hudson, J. K. Ferguson, James Stitt, Ted Sims, T. Larson, John Joyce, A. C. Watkins, Ted Skopinski, Max Paget, W. D. Bailey, Charles Marple. Second row - W. E. Howard, D. R. Croom, Paul R. Yeager, Oneda Moore, Doris Burk, Opal Davis, Connie Parker, Frances Powell, Anne Bristow, Hazel Redding, Miriam Huggins, Edna Bartlett, Dot Hicks, Christine Rickey, Agnes Dunkley, Shirley Trant, D. A. Sutherland, G. J. Morris. Third row - Alfred Schultz, Harold Crane, M. E. Buckley, William Barchers, R. E. Williams, W. H. Payne, Bernard Weinflash, Benjamin Milwitzky, Don Premo, D. J. Maglieri, A. C. Bond, L. T. Chauvin, Numa Thomas, Carl Baab, and Carl Rumble.



GOLF TOURNEY WINNERS NAMED

The Activities Association's annual Golf Tournament was completed last week with Jim Jones, Gas Dynamics, defeating Harper Gerringer, Equipment Engineering, to win the championship flight.

Other winners were as follows: Bill Nelson, Air Induction, took the first flight by defeating A. E. Morse, Tank 1; Clarence Cole, Instrument Construction, defeated Bill Hadaway, 8-foot, to win the second flight, and Russell Clickner, Dynamic Model Engineering, won the third flight, by defeating Bob Sommer, Pilots.

Winners of the beaten 8's were: championship flight - Norman Richardson, Instrument Research; first flight - Henry Weber, West Engineering; second flight - Dan Bridges, 7 by 10, and third flight - Roy Farmer, West Machine.

TURKEY SHOOT NOVEMBER 3

The Activities Association's annual Thanksgiving Turkey Shoot will be held on Saturday, November 3 at the Activities Building.

The shoot will start at 9 a.m. and continue until 5:30 p.m. No admission will be charged other than fifty cents for each shot.

Fire arms will be available on the grounds; however, contestants may furnish their own fire arms if desired. The Association will supply 12, 16, and 20 gauge shot gun shells. The maximum charge of powder and minimum size of shot should not exceed 3 3/4 drams for powder and number 8 for shot.

The shoot will be under the supervision of the Rifle League and any ammunition brought to the match must be turned over to the person in charge of ammunition.

Refreshments will be served at the bar in the Activities Building.

\$39,816 DONATED TO UNITED FUND

As the Laboratory's third annual United Fund campaign neared completion, 94.6 percent of the Laboratory staff had donated a total of \$39,816 for an average contribution of \$13.29.

Last year 98.4 percent of the staff donated a total of \$35,823 to the fund for an average contribution of \$11.90.

Germain Brown, who is acting chairman of the drive, announced that all active solicitation was completed during the one-day drive on Friday, October 5 when staff members donated a record total of \$38,874. However, a number of employees who were busy with the Triennial Inspection and several who were on annual leave, sick leave and odd shifts have expressed a desire to contribute to the fund and solicitators will continue to accept donations until the end of the month.

Robert L. Girouard, chairman of the third annual United Fund drive, is recuperation from an operation. He expressed his confidence that the remaining 5.4 percent of the staff will contribute to the Laboratory effort by the end of the month and push the total over the \$40,000 mark.

Divisions reporting 100 percent participation to date include Fiscal, Personnel, Dynamic Loads, Procurement, Hydrodynamics, and Administrative and Technical Service Offices.

A chart showing the amount contributed, the average contribution, and the percentage of participation by divisions will be published in next week's issue of Air Scoop.

Girouard again expressed his sincere appreciation to the Laboratory staff for giving their support to Brown, who is conducting the drive during Girouard's illness, and for making this the most successful United Fund campaign ever conducted at the Laboratory.



Three distinguished guests who visited the Laboratory during the NACA's Triennial Inspection were (from left): Major Al Williams (retired), Dr. James H. Doolittle, Shell Oil Company, and Captain Edward V. Rickenbacker, Eastern Air Lines. Doolittle and Rickenbacker are members of the NACA.

Air Scoop, October 19, 1956
Vol. 15, Issue 42

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va. is published weekly in the interest of its employees. Address contributions to the Editor, Administration Building, telephone 2376.

Editor.....Ruth Angel Verell

Staff Photographer.....Bill Taub

Reporters.....Langley Employees

The Air Scoop is printed by the Mechanical Reproduction Staff.

LIFE AT THE LABORATORY

The Air Scoop staff.

will be on vacation from October 25 to November 5. Before leaving on our trip we hope to prepare a small edition of Air Scoop for publication on Friday, November 2 but we will need your help. Anyone desiring to submit material for publication in the November 2 issue must send it in to the Editor, Administration Building, by the close of business on Tuesday, October 23.

Wedding bells rang.

last Saturday when Nan Harrison, Vibration and Flutter, and Bill Jones, Instrument Research, took their final vows at the Fayette Presbyterian Church, Fayette, Mississippi. Katherine Speegle, Pilotless Aircraft Research, served as matron of honor and Walter Olstad, 8-foot Transonic Tunnel, was an usher.

Word has just been received.

at the Laboratory that Bertha and Bob Stewart, both former employees, became the parents of a ten pound, eight ounce son, David Brian, on Saturday, September 29.

Walking the floor.

nights is Sterlin Smith, West Model Shop. He became the father of a son on Tuesday, October 9.

Langley Yacht Club.

members and prospective members will enjoy an oyster roast on Tuesday, October 23 at 6 p.m. at the Langley Boat House, prior to the regular meeting of the club. Nomination of officers for the coming year will be made at the meeting and members are urged to attend.

Orange Blossoms.

Mary Liggett, formerly of Langley and now assigned to NACA Headquarters, and Albert O. Allen, Arlington, were married on Saturday, September 15 at the Central Presbyterian Church in Washington. John "Red" Barby, also formerly of Langley, served as an usher.

Diaper Line.

Passing out cigars and candy is Thomas J. King, 7 by 10-foot Wind Tunnels. He became the father of a son on Saturday, October 13.

Congratulations.

to Albert R. Morrill, Arlington R. Adams and William F. Gieselmann, all former Laboratory employees, upon receiving 15-year service pins recently at the Lewis Laboratory. Morrill, Chief of Engineering and Dispatching Branch, received his B.S. degree in Electrical Engineering from Armour Institute of Technology. He entered on duty at Langley in September, 1941, and transferred to Cleveland in November, 1941. Adams, Process Systems Design Engineer of Mechanical Engineering Division, earned his B.S. degree in Mechanical Engineering from Iowa State University. He joined the Langley staff in September, 1941, and transferred to Lewis in January, 1942. Gieselmann, Aeronautical Research Facilities Engineer of Mechanical Engineering Division, graduated from the University of Illinois with a B.S. degree in Mechanical Engineering. He entered on duty at Langley in September, 1941, and transferred to Cleveland in January, 1942.

Thanks.

to the many employees who furnished flowers for the 1956 Triennial Inspection. Mrs. Lucy Bainbridge, Stenographic Section was in charge of floral arrangements and she expressed her personal appreciations for the many flowers which were donated so generously by staff members. The attractive array on the luncheon tables spoke well for the gardening efforts of many employees.

GET CURRENT-WISE



Break circuits before you make repairs

- Make sure everyone is in the clear before you close a machine circuit
- Take care of electrical equipment - don't abuse cords and plugs
- Use fuses of correct size - never bridge a fuse
- Don't ground yourself - stay dry
- Clip on the grounding wire before plugging in portable tools - check your ground wire each time you use it!

CREDIT UNION PASSES MILLION DOLLAR MARK

The Langley Federal Credit Union, established in 1936, last month reached the milestone of one million dollars in assets. Since its inception, it has enjoyed a steady growth in both members and assets.

As of December, 1936, there were 112 members and assets of \$2,528.00. By the end of World War II the membership was 1008 with assets of \$28,828. Five years later these figures had grown to \$245,291 and 1767 members. Of the present million in assets, approximately \$751,000 is on loan to members, with a cash balance of \$203,000.

Members are reminded that this cash is available for loans, which might come in particularly well at this time for payment of state taxes and to finance Christmas expenses. It is advantageous from many standpoints, according to Credit Union officials, to make a short-term loan rather than withdraw one's share balance.

The official name of the Credit Union has been changed from LMAL Federal Credit Union to Langley Federal Credit Union. The new name is considered a more accurate description as the Credit Union includes civilian employees of the Air Force as well as employees of the Laboratory.

WANTED: Driving combination from Betsy Lee Gardens and Sussex Hilton to W.A. on 8 shift. Wright, 2336.

BOWLING NEWS

TUESDAY TENPIN LEAGUE

Woodchoppers lost two games to move into a two-way tie with Flight for first place with 7 wins and 2 losses. Spare Oops and West End are tied for third with 6 wins and 3 losses. High scores for the week were rolled by Guy Thibodaux with a 229 game and 578 set and Edith Moen with a 220 game and 585 set.

STANDINGS

Team	W	L	Avg.
Woodchoppers	7	2	.778
Flight	7	2	.778
Spare Oops	6	3	.666
West End	6	3	.666
Fiscal	5½	3½	.612
Hi-g's	5	4	.555
Rockets	4	4	.500
Angus	3	6	.333
Pinbusters	3	6	.333
Fivers	3	6	.333
Full Scale	2½	6½	.275
Hornets	2	7	.222

WEDNESDAY DUCKPIN LEAGUE

Rebel Bombers lost two games but continue to lead the league with 12 wins and 3 losses. Cosmoes lost three games to drop to third place with 10 wins and 5 losses and Pinhookers moved into second with 11 wins and 4 losses. High scores were rolled by John Moore with a 137 game and 363 set and Mary Edwards with a 127 game and 322 set.

STANDINGS

Team	W	L	Avg.
Rebel Bombers	12	3	.800
Pinhookers	11	4	.733
Cosmoes	10	5	.667
Hotshots	9	6	.600
Ribs	9	6	.600
16-foot	9	6	.600
West Model	8	7	.533
IAB	6	9	.400
IRD	5	10	.333
Gashouse Gang	4	11	.267
Sugnias	4	11	.267
DFIS	3	12	.200

MONDAY DUCKPIN LEAGUE

Flight won all three games to move back into first place with 13 wins and 5 losses. High scores were rolled by John Dupere with a 138 game, Al Hall with a 352 set, Gay Gilbert with a 125 game and Shirley Leonard with a 310 set.

STANDINGS

Team	W	L	Avg.
Flight	13	5	.722
Scotch and Tapers	11	7	.611
Free Flight Fliers	11	7	.611
Loads	10	8	.556
Stability	9	9	.500
Hot Chips	9	9	.500
24-inch	9	9	.500
Vibrators	9	9	.500
East Machine 1	8	10	.444
Jets	8	10	.444
Structures	6	12	.333
East Machine 2	5	13	.278



The above picture was taken by Alvin Morewitz, Tank I, last Saturday when members of the Langley Camera Club met at the Air Force Crash Boat Dock for a four-hour field trip in the Chesapeake Bay. The purpose of the trip was competitive photography. The club's next contest will be limited to photographs taken on this trip. On Sunday, the club will hold an outing at 2 p.m. at the Mariners Museum. All persons interested in attending are asked to contact Morewitz, Tank I. The purpose of this trip will be to photograph autumn scenes. Food will be furnished those attending.

NOTICE: NACA employees interested in both the pros and cons of consolidation are invited to attend a series of three public meetings, sponsored by the Hampton League of Women Voters. The speakers and dates of the meetings are as follows: Thursday, October 25, Buckrore Fire Station, Victor Wilson and Col. Joseph Healy; Monday, October 29, Northampton, Hunter Andrews and Col. Joseph Healy, and Thursday, November 1, Hampton Court House, Thomas Chisman and Col Healy.

FOR SALE: 9.2 cubic foot Cold-Spot, \$45. Collier, H-32688.

WANTED: Ride from Stuart Gardens to W.A. on 8 shift. Jane Rhodes, 1146 16th St., NN-31759.

WANTED: Ride to Harrisburg, Pa. on Nov. 11. Kirkland, H-8538.

WANTED: Driving combination from 309 Maxwell Lane to W.A. on 7:30 shift. C. B. Cook, 4477.

WANTED: Ride or driving combination from Deep Creek section to W.A. on 8 shift. Morris, 4596.

WANTED: Ride to Charlotte, N. C. Nov. 2, 3, or 4. Alma Alexander, 4724.

ADULT EDUCATION

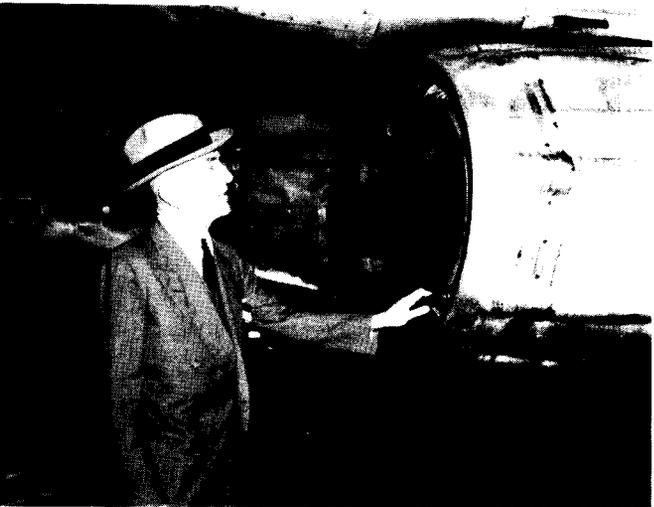
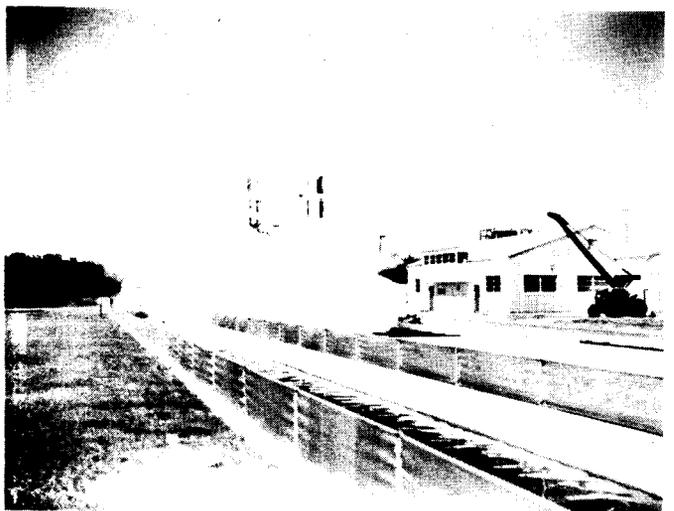
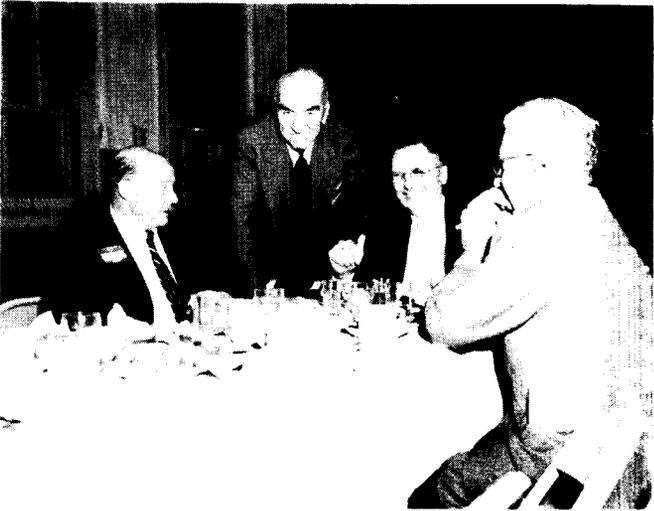
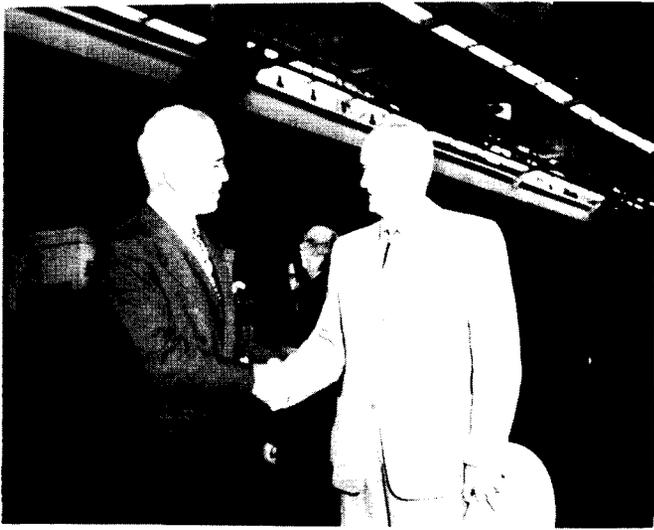
The Adult Education Department at Hampton High School announced that the class in Interior Decorating will meet on Mondays from 7:30 to 9:30 p.m.

Material which will be covered includes planning of complete rooms, wall decorations, curtains, arrangement and selection of furniture, flower arrangements, rugs, and accessories.

Those interested may register at the Victoria Boulevard entrance to the high school on Monday and Thursday from 7 to 8:30 p.m.

NOTICE: The Sinclair Civic League has suggested NACA employees living in the Sinclair Circle area may be interested in the York Transit Lines adding additional bus service into Hampton. Persons interested are requested to write L. M. Ratcliffe, 300 Catalpha Ave., Hampton, and give the schedule they would use most often.

NOTICE: The annual book sale, sponsored by the Hampton Branch of the A.A.U.W., will be held today and tomorrow at Brittingham Furniture Store in Hampton. The proceeds from the sale will go towards the group's scholarship fund.



The above photographs were taken by staff photographer Bill Taub during the NACA's Triennial Inspection. Upper left - Dr. H. J. E. Reid, Director, welcomes Major Al Williams (retired). Upper right - Dr. Jerome C. Hunsaker, Chairman of the NACA, looks at a display in Gas Dynamics. Center left - Chatting during the luncheon are (from left) Dr. Hunsaker, Captain Edward V. Rickenbacker, Eastern Air Lines; Dr. Hugh L. Dryden,

Director of NACA, and John W. Crowley, Associate Director for Research. Center right - This photo was taking during a test run at the Landing Loads track. Lower left - Capt. Rickenbacker looks at the jet of an airplane. Lower right - Taking time out for refreshments are Floyd Thompson, Associate Director at Langley, Dr. Dryden, and Richard V. Rhode, formerly of Langley and now assigned to Washington Headquarters.



PLAN ANNUAL TURKEY SHOOT

As was announced last week, the Activities Association's annual Thanksgiving Turkey Shoot will be held Saturday, November 3 at the Activities Building.

The all day affair will start at 9 a.m. and continue until 5:30 p.m. No admission will be charged other than fifty cents for each shot.

The Activities Association will furnish fire arms; however, contestants may furnish their own fire arms if desired. The Association will supply 12, 16, and 20 gauge shot gun shells. The maximum charge of powder and minimum size of shot should not exceed $3 \frac{3}{4}$ drams for powder and number 8 for shot.

The shoot will be under the supervision of the Rifle League and any ammunition brought to the match must be turned over to the person in charge of ammunition.

UNITED FUND EFFORT PASSES \$40,000 MARK

Germain Brown, acting chairman of the Laboratory's third annual United Fund drive, stated that a final tabulation showed that staff members set a new record by donating a total of \$40,314.87 to the Laboratory effort. This represents an average contribution of \$13.17 from 96.6 percent of the staff.

This week Full Scale, Unitary Wind Tunnel, and Engineering Service joined the ranks of 100 percenters. This brings the number of 100 percent divisions to nine.

A final report showing the amount contributed, the average contribution, and the percentage of participation by divisions is shown on page 3 of this issue.

Brown expressed his thanks to the campaign workers for their work and cooperation in making this campaign such a huge success.

DOOLITTLE NAMED NACA CHAIRMAN

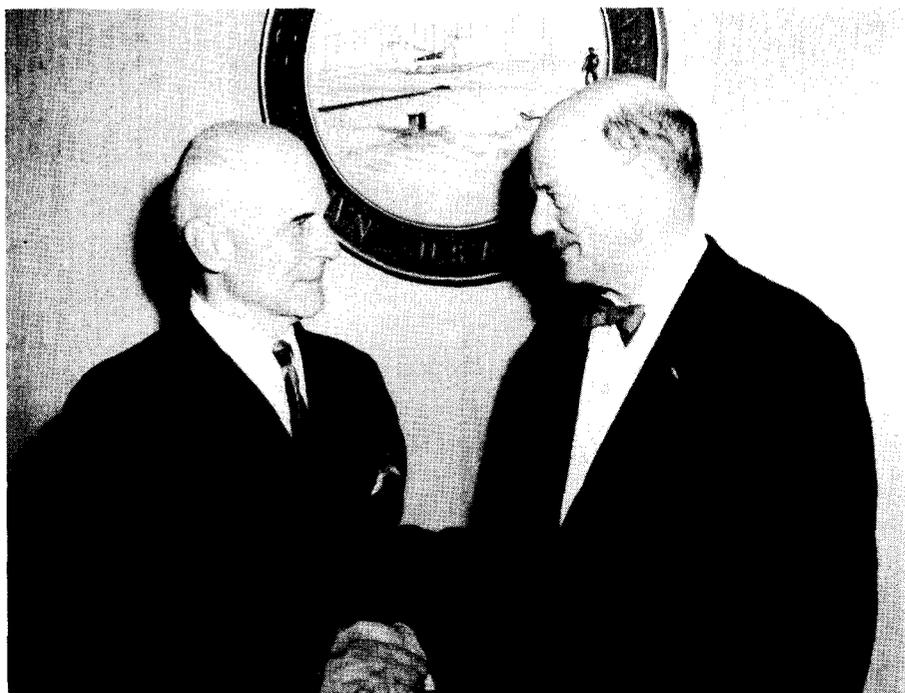
James H. Doolittle was named Chairman of the NACA at the annual meeting of the Committee last week in Washington. He succeeds J. C. Hunsaker, Chairman of the NACA for the past 15 years. Leonard Carmichael, Secretary of the Smithsonian Institution, was re-elected Vice Chairman.

A World War I aviator, Doolittle has enjoyed careers in the military, in business, and in public service. He was retired from the Air Corps in 1946 with the rank of Lieutenant General. He earned the degrees of Master and later Doctor of Science at Massachusetts Institute of Technology in the mid-twenties. From 1930 to 1940 when he was recalled for military duty, and since 1946, he has been associated with Shell Oil Company, where he is a Vice President and a Director. In 1951, he was named a special assistant to the Chief of Staff of the Air Force; in 1952, he was Chairman of the President's Airport Commission, and last year, he was named Chairman of the Air Force Scientific Advisory Board. He was President of the Institute of the Aeronautical Sciences in 1940, and was the first President of the Air Force Association in 1946. He has been a member of the NACA since 1948.

In 1922, he made the first one-day transcontinental flight. In 1928 he did basic development work on blind flying equipment for the Guggenheim Foundation, and made the first complete flight, from take-off to landing, under blind flying conditions. In 1932, he held the world's speed record for land planes. In 1942, he led the first aerial raid by U.S. forces on the Japanese mainland. In 1943, he was Commanding General of the 15th Air Force, and in 1944-45, Commanding General of the 8th Air Force.

He is a recipient of the Guggenheim Medal and the Wright Brothers Memorial Trophy.

(Continued on page 4)



Dr. Jerome C. Hunsaker (right), retiring Chairman of the National Advisory Committee for Aeronautics, congratulates Dr. James H. Doolittle, Shell Oil Company, upon being elected new chairman of the Committee.

Air Scoop, October 26, 1956
Vol. 15, Issue 43

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va. is published weekly in the interest of its employees. Address contributions to the Editor, Administration Building, telephone 2376.

Editor.....Ruth Angel Verell
 Staff Photographer.....Bill Taub
 Reporters.....Langley Employees
 The Air Scoop is printed by the Mechanical Reproduction Staff.



Last Sunday the club's second monthly precision flying meet was rained out. It has been reset for Sunday at 2 p.m. at the Langley site. Last week five members showed up to fly and made several attempts but only one successful flight resulted.

The previous week-end, the club took the two top places in the Radio Control spot landing contest at Fentriss. Ivan Beckwith, Gas Dynamics, took first and Don Hewes, Free Flight, placed second. Beckwith was top man all day but Hewes came from behind with a last minute flight that beat out a flyer from Richmond.

Beckwith has piled up over 70 flights with his dual control Sea Cat and is currently the club's most consistent performer. As a result of his winning the first club precision meet and his first place at Fentriss, a "Beat Beckwith" campaign has been inspired. It is expected that this Sunday's session will feature some eager competition to put the club trophy back in circulation. Last week's rained out effort was more spirited than practical as several models which had been damaged at Fentriss were hurriedly rebuilt and in need of testing and retrimming. This extra week, however, should enable the boys to get better prepared and a true contest should be in order.

DANCE PLANNED FOR NOVEMBER 3

Cecil Burtner, chairman of the social committee, announced this week that the Activities Association will sponsor an informal dance on Saturday, November 3 at the Activities Building.

Music will be furnished by "The Chordsmen" which is a group of seven instrumentalist and one vocalist from Warwick.

Dancing will be from 9 p.m. 'til midnight. Tickets will be available at the door only and admission will be \$1.50 per couple.

It has been suggested that employees plan to come out with a group and have a section or division get together.

WANTED: 18 or 21-inch reel type lawn mower. Eadie, H-37092.

FOR SALE: Baby carriage - \$25. McMillian, NN-20940.

LIFE AT THE LABORATORY

During his travels.

the stork stopped by the John Dennard household on Wednesday, October 17 and delivered a new son. The father works in Air Induction and the mother, Myrtle, is formerly of the Stenographic Section.

Another proud papa.

who is passing out cigars and candy is Vernon Collins, Instrument Research Division. He became the father of an eight pound, three ounce daughter, Sheila Denese, on Wednesday, October 17.

Dan Cupid.

scored a victory recently when John Ward, Flight Research Division, announced his engagement to Jane Waters, Hampton. Plans call for a spring wedding.

Sick Bay.

Recuperating from an operation at the Dixie Hospital and wanting some cheerful company is Spence Watkins, who retired several years ago from the Flight Research Division.

Weighing in.

at eight pounds, eight ounces on Wednesday, October 10 was Robert Donald, new son of Robert L. O'Neal, Pilotless Aircraft Research Division.

The pay day.

game night, sponsored by the Activities Association, will be held on Thursday, November 1 at 8 p.m. in the Activities Building.

New Rockette.

Celebrating the arrival of a daughter on Monday, October 22 are Virginia, Mechanical Reproduction Section, and James LaPrade, Mechanical Maintenance.

Singers needed.

The Peninsula Choral Society, under the direction of Cary McMurran, is expanding its membership to 150 in preparation for an appearance at the Jamestown Festival in 1957. Plans for the current season include a performance of Handel's "The Messiah" at the Newport News High School on December 17 and a guest appearance at the Jamestown Festival on April 6, 1957, at which time the first Virginia performance of Richard Bales' cantata of the Revolutionary period, "The Republic", will be given. There will be twelve rehearsals for each production. Five tenors and fourteen basses are needed to complete the chorus of 150 members. Persons interested in joining the chorus may contact Cary McMurran, NN-27735 or 61805.

ADULT EDUCATION

Musical Literature, a course in listening and understanding music, is being offered this semester by the Adult Education Department at Hampton High School.

Ronald Ralph, who is responsible for the vocal program at Hampton High School, will instruct the group. He is a graduate of the University of Arizona and studied opera and voice at Peabody.

The 24-hour course will meet on Mondays from 7 to 9 p.m. Persons interested may register at the Victoria Boulevard entrance to the high school on Mondays and Thursdays from 7 to 8:30 p.m.

WANTED: To join car pool from Graf-ton area to E.A. on 8 shift. Clark, 2381.

WANTED: Driving combination from Boulevard section near LaSalle to W.A. on 8 shift. Whaley, 4439.

WANTED: Ride from Holly Homes near Buckroe to E.A. on 8 shift. Patsy Coley, 2345.

WANTED: Ride from 1204 Victoria Blvd. to E.A. on 8 shift. Kiefer, 2314.

WANTED: Ride to New York area on Nov. 2 or 3. Margosian, 4611.

BOWLING NEWS

TUESDAY TENPIN LEAGUE

Spare Ops and West End won all three games to move from a tie for third to a tie for first place with 9 wins and 3 losses each. Woodchoppers and Flight dropped from first to a two-way tie for third with 8 wins and 4 losses each. High scores for the week were rolled by Duke Woolson with a 230 game and 618 set and Edith Moen with a 175 game and 504 set.

STANDINGS

Team	W	L	Avg.
Spare Ops	9	3	.750
West End	9	3	.750
Woodchoppers	8	4	.666
Flight	8	4	.666
Hi-g's	7	5	.583
Rockets	6	6	.500
Fivers	6	6	.500
Fiscal	5½	6½	.458
Hornets	5	7	.417
Angus	3	9	.250
Pinbusters	3	9	.250
Full Scale	2½	9½	.207

WEDNESDAY DUCKPIN LEAGUE

Rebel Bombers continue to lead the league with 14 wins and 4 losses and Pinhookers remain in second place with 12 wins and 6 losses. Cosmoes dropped from third to a two-way tie with Hotshots for sixth. High scores for the week were rolled by James Justice with a 129 game and 356 set, George Wright with a 129 game and Mary Edwards with a 127 game and 356 set.

STANDINGS

Team	W	L	Avg.
Rebel Bombers	14	4	.778
Pinhookers	12	6	.667
Ribs	11	7	.611
16-foot	11	7	.611
West Model	11	7	.611
Cosmoes	10	8	.556
Hotshots	10	8	.556
IAB	8	10	.444
IRD	6	12	.333
Gashouse Gang	5	13	.278
Sugnas	5	13	.278
DFIS	5	13	.278

MONDAY DUCKPIN LEAGUE

Flight and Scotch and Tapers are tied for first with 14 wins and 7 losses each. High scores were rolled by Walter Bresette with a 156 game, Henry Lee with a 384 set, Shirley Leonard with a 138 game and Helen Dupere with a 348 set.

Team	W	L	Avg.
Flight	14	7	.667
Scotch and Tapers	14	7	.667
Free Flight Fliers	12	9	.571
Loads	12	9	.571
24-inch	11	10	.524
Hot Chips	10	11	.467
Vibrators	10	11	.467
East Machine 1	10	11	.467
Jets	10	11	.467
Stability	9	12	.429
Structures	7	14	.333
East Machine 2	7	14	.333

UNITED FUND CAMPAIGN

FINAL DIVISION STANDINGS

Division	Amount Contribution	Average Contribution	Percentage of Participation
Compressibility	\$3,412.02	\$15.51	92.4
Dynamic Loads	\$2,188.00	\$20.26	100
Flight	\$2,646.74	\$15.94	98.2
Full Scale	\$3,358.50	\$16.63	100
Hydrodynamics	\$ 834.50	\$17.03	100
Instrument Research	\$4,761.62	\$14.88	98.2
Pilotless Aircraft	\$1,872.00	\$16.00	99.1
Stability	\$2,774.25	\$19.96	97.9
Structures	\$1,447.00	\$18.55	92.9
Theoretical Mechanics	\$ 876.13	\$18.25	98
Unitary Wind Tunnel	\$ 663.50	\$13.54	100
Off. Dir. and Res. Ser.	\$1,428.00	\$26.94	98.1
A and TS and Planning	\$ 534.00	\$23.22	100
Electrical Service	\$1,099.19	\$ 8.52	97
Engineering Ser.	\$3,018.90	\$15.32	100
Fiscal	\$ 639.02	\$13.89	100
General Service	\$1,148.50	\$ 7.18	90.4
Maintenance	\$1,747.50	\$ 7.34	93.7
Mechanical Service	\$4,728.50	\$ 7.88	95.1
Personnel	\$ 645.00	\$13.44	100
Procurement	\$ 492.00	\$ 7.03	100
TOTAL	\$40,314.87	\$13.17	96.6

FORMER EMPLOYEE DIES IN HAMPTON

May Melissa Lawson, former Laboratory employee, died Tuesday morning at the Dixie Hospital after a short illness.

Miss Lawson was born May 13, 1892 in Hampton. She entered on duty at the Laboratory as a clerk on December 10, 1945. She was employed in the Fiscal and Procurement Divisions until her resignation on December 6, 1946.

She is survived by two sisters: Mrs. Ernest J. Shave, Hampton, and Mrs. J. F. Tallman, Richmond.

FOR SALE: Hollywood double bed with inner spring mattress - \$35. Rumsey, H-4959.

FOR SALE: Gas range - \$35. E. B. Davis, Tabbs.

DANCE CLASSES RESUME NOV. 7

Cecil Burtner, Chairman of the Activities Association's Social Committee, announced that the dancing classes will not meet until Wednesday, November 7. The classes were not held on October 17 and 24 because of official functions in the building and the class for October 31 has been cancelled because of Halloween.

Several couples and 2 or 3 males are needed to fill the beginners class. Persons interested are asked to contact Burtner, 4535, before the close of business on Tuesday, November 6.

FOR RENT: 3 room furnished apartment. Hall, NN-41516.

FOR SALE: Kenmore wringer washer. Thompson, 909 79th St.

TWO PRESENTED SERVICE MEDALS

Distinguished Service Medals were awarded last week by the NACA to two employees of the High-Speed Flight Station, Edwards, California, "for outstanding bravery beyond the call of duty" following a high-altitude explosion in the rocket-propelled X-1A airplane, which endangered three airplanes and the lives of ten men.

The Distinguished Service Medal, presented only once previously, is NACA's highest award. The two men honored at a meeting of the Committee in its Washington Headquarters, are John W. Moise and Charles W. Littleton, who were crew members of the B-29 "mother" airplane which was carrying the research plane when the incident took place.

Other honors will be given by the NACA to seven other employees and one Air Force escort pilot on duty in the mishap on August 8, 1955. These will be presented in ceremonies to be scheduled later at the Edwards NACA station.

Moise and Littleton are credited with taking the immediate action which may well have saved the life of the X-1A pilot, Joseph A. Walker. The incident occurred in the course of a launching operation - only 70 seconds before the research plane was to be dropped from the belly of the B-29 - in the rarified air at 31,000 feet. Walker was trapped in the cockpit of the X-1A as a result of the explosion.

Although the two men knew that further explosions or fire might follow they rushed to the rescue, taking precarious positions in the B-29 bomb bay in order to open the X-1A canopy and remove Walker. The research plane was carried to lower altitude but the crew finally was forced to release it because of the great dangers possible in the circumstances. The X-1A was destroyed when it crashed on the desert.

The citations accompanying the Distinguished Service Medals say Moise and Littleton risked their lives under extremely hazardous conditions to save the life of a fellow employee.

Walker himself will receive an Exceptional Service Award. He and the other crew members knew from previous accidents with comparable research aircraft that additional explosions might be imminent and two airmen were thus lost some time earlier. Walker, though only partly recovered from the shock of the explosion, nevertheless returned to the X-1A and attempted to dump the high-explosive fuels re-



In ceremonies held recently in Washington Headquarters, Dr. Jerome C. Hunsaker, former Chairman of the NACA, presented NACA Distinguished Service Medals to John W. Moise (center) and Charles W. Littleton (right), both members of the NACA High-Speed Flight Station, Edwards, California. The awards were presented "for outstanding bravery beyond the call of duty" following a high-altitude explosion in the rocket-propelled X-1A airplane, which endangered three airplanes and the lives of ten men.

maintaining in its tanks.

Also to receive the Exceptional Service Award are Stanley P. Butchart, pilot of the B-29, and Richard E. Payne, X-1A crew chief. Due for letters of commendation are John B. McKay, co-pilot of the "mother" plane, and Rex L. Cook, Merle C. Woods, and Richard A. DeMore, B-29 crew members.

Dr. J. C. Hunsaker, former Chairman of the NACA, in a letter to the Secretary of the Air Force has commended Major Arthur Murray, Air Force pilot, who was flying a jet "chase" plane. Although his plane was damaged by debris from the explosion, Major Murray continued at his post and gave valuable assistance to the NACA crew.

WANTED: High chair. Mrs. T. K. Moore, Seaford 4611 after 5:30.

FOR SALE: AKC registered male Dachshund puppy - 9 weeks old. Moore, NN-27873 after 5.

FOR SALE: 1 1/2 story brick house on 12 acres of land - 400 feet fronting on water. White, Seaford 3462.

FOR SALE: 2 burner heater - 22,000 BTU - \$15. DeMonaco, W-87270.

WANTED: Ride or driving combination from Yorktown to W.A. on 8 shift. Ambrose, 4588.

FOR SALE: 3 hp garden tractor with 3 attachments - \$150, 13-foot Deep Freeze - \$200. Elliott, W-86791.

DOOLITTLE

(Continued from page 1)

Dr. Hunsaker's aviation career extends back to 1913 when, as a naval officer detailed to Massachusetts Institute of Technology, he organized the first formal courses of aeronautical engineering, and built one of the country's first wind tunnels. During World War I, he was responsible for the design of all naval aircraft, including the NC-4, first airplane to cross the Atlantic. He was a leader in the design and construction of lighter-than-air craft in the twenties, and beginning in 1933, was head of the departments of mechanical and aeronautical engineering at M.I.T.

Dr. Hunsaker's service on the NACA has been in two periods. He was a member of the Committee in 1922-23, and was re-appointed by the President in 1938. In July, 1941, he succeeded Dr. Vannevar Bush as Chairman. He will continue to serve as a member of the Committee.

A founder of the Institute of the Aeronautical Sciences, he served as its first President in 1933. In 1941, he was named Coordinator of Research and Development for the Navy Department. Over the years, he has served on many commissions and committees, including the President's Airport Commission in 1952. He is a recipient of the Guggenheim Medal, the Wright Brothers Memorial Trophy, and the Langley Medal.



13 PRESENTED SERVICE EMBLEMS

Thirteen Laboratory employees were recently presented 15-year service emblems by their respective division chiefs.

Joining the 15-year group are: Harold I. Johnson, Flight Research; Byron N. Bunting, Dynamic Model Shop; A. Morris Wolfe, West Model Shop; Melville F. Kiefer, Technical Illustrators; William J. Carroll, Equipment Engineering; John E. Doyle, Instrument Engineering; Marsena Kerner, Personnel Division; James W. Mayo, Dynamic Model Engineering; Leigh K. Lewis, Instrument Engineering; John Munick, Procurement; Charles E. Martin, Systems Engineering; William Letko, Stability Tunnel; and George Zender, Structures Research.

Johnson was born in Joliet, Illinois. He graduated from Joliet Junior College and received his B.S. degree from the University of Michigan. He joined the Laboratory staff on July 10, 1941 as a Junior Aeronautical Engineer in the Flight Research Division.

Bunting is a native of Starkville, Mississippi. He graduated

(Continued on page 3)

DANCE PLANNED FOR TOMORROW

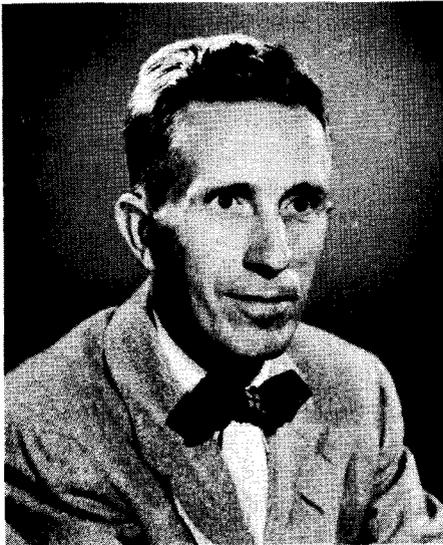
Laboratory socialites will meet at the Activities Building tomorrow night when the Activities Association sponsors a pre-Thanksgiving dance.

Music for the informal affair will be furnished by "The Chordsmen", which is a group of seven instrumentalists and a vocalist from Warwick. Dancing will be from 9 o'clock to midnight.

Tickets will be available at the door only and admission will be \$1.50 per couple.

Cecil Burtner, social chairman, suggested that groups get together and plan a section or division social for the evening.

Air Scoop, November 2, 1956
Vol. 15, Issue 44



James C. Tingle

TINGLE HEADS UNITED FUND

At a recent meeting of the board of directors of the Laboratory's United Fund organization, James C. Tingle, Health Officer, was reelected chairman for the 1956-57 term.

Thomas A. Harris, Chief of Stability Research Division, and Kathryn H. Peddrew, West Computers, were reelected as vice chairman and secretary, respectively. Anshal I. Neihouse, head of Spin Tunnel; Edward A. Howe, chief of Fiscal Division, and Vera Huckel, Vibration and Flutter, were elected members of the Budget and Admission Committee.

Other members of the board are as follows: Melvin N. Gough, chief of Flight Research Division; Clyde Thiele, head of Sheetmetal Branch; Robert L. Girouard, Systems Engineering, and Jack A. Kinzler, West Machine Shop.

The first quarterly notices for payment of United Fund pledges went out with pay checks yesterday. Payments may be made in the East Area at the Receptionist's Desk in the Administration Building and in the West Area at the Insurance Office in the Warehouse Building.

ANNUAL TURKEY SHOOT TOMORROW

Tomorrow's the day when Laboratory sportsmen and sharpshooters will gather at the Activities Building for the Activities Association's annual Thanksgiving Turkey Shoot.

Matches will start at 9 a.m. and continue until 5:30 p.m. The winner of each match will receive a turkey. No admission will be charged other than fifty cents for each shot.

Once again controlled chokes for shot guns will be permitted. Last year officials of the shoot received a number of complaints because controlled chokes were not permitted. It was pointed out that specific types of controlled chokes are not necessarily advantageous over shot guns with full chokes in a turkey shoot. The controlled chokes permit the shot gun to be used for various purposes such as quail hunting. This would not be an advantage in a turkey shoot; therefore, controlled chokes will be permitted this year.

There will be plenty of matches during the day including a match for rifles and one for women, if enough interest is shown.

Fire arms will be furnished or contestants may use their own. The Association will supply 12, 16, and 20 gauge shot gun shells for the shoot. The maximum charge of powder and minimum size of shot should not exceed 3 3/4 drams for powder and number 8 for shot.

The shoot will be supervised by the Rifle League and any ammunition brought to the match must be turned over to the person in charge of ammunition.

In the interest of safety, the NACA Rifle League requests that all contestants keep the actions of their fire arms opened while on the grounds of the Activities area except when on the firing line.

It will not be necessary for contestants to bring their lunch as plenty of refreshments will be available at the bar in the Activities Building. The day's leading football games may also be seen on television in the Activities Building.

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Administration Building, telephone 2376.
 Editor.....Ruth Angel Verell
 Staff Photographer.....Bill Taub
 Reporters.....Langley Employees
 The Air Scoop is printed by the Mechanical Reproduction Staff.

LANGLEY LAB IN RETROSPECT

Remember twelve years ago when the Douglas A-26, known as the Invader, was announced as the latest U.S. warplane to go into service, and like its many predecessors, it carried 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 airplane 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 Pressure Tunnel, 16-foot Tunnel, Spin Tunnel, Flight Research, Cowling and Cooling, AWT, TDT, and Tank No. 2.

E. H. Heinemann, chief engineer for Douglas wrote the late 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."

In a subsequent letter received by the Laboratory from Dr. Lewis he said, "Some of the characteristics are: the low drag wing, the new high-speed NACA cowling, the double-slotted flap, and the sealed aileron."

John W. Crowley, Associate Director for Research, 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."

The formal dedication ceremonies of the new Activities Building took place ten years ago this week. Guest speaker was Dr. John F. Victory. He pointed out, "This is a very significant event in the history of the NACA - it signifies the concern of the Committee for it's employees' physical well being. Sound minds must have sound bodies in order that the best work may be done."

DR. REID THANKS STAFF

The 1956 NACA Triennial Inspection and the annual United Fund Drive, both of which were successfully completed at Langley in October, were closely related in one respect. The United Fund effort indicated that the staff recognizes its responsibilities for helping to make our local communities better places in which to live; and the inspection was evidence that the National Advisory Committee for Aeronautics is making significant contributions to the welfare of our Nation by advancing the science of aeronautics.

The coordinated efforts not only of Research but of all the various organizational units of the Laboratory, working as a team, were required in preparing for and handling the inspection, which was attended by approximately 1,600 representatives of the aircraft industry, the military services, and other organizations having an interest in aviation. It is my pleasure to pass on to each member of the staff the praise of our guests for what they described as a constructive and effective report on the NACA's progress in aeronautical research.

In the record-breaking United Fund Drive, \$40,314.87 was contributed by 96.6 per cent of the staff for an average donation of \$13.17. In my opinion, this achievement certainly places the Laboratory among the most generous and cooperative organizations in the Government service. I want especially to recognize Robert L. Girouard, chairman, for his outstanding organization of the fund campaign and Germain S. Brown, acting chairman, who so capably directed the drive after Girouard became ill and was hospitalized.

I am proud of the success of the inspection and the United Fund Drive and would like to take this opportunity to express my appreciation to the entire staff of the Langley Laboratory for two important jobs well done!



WATCH YOUR STEP!

STAY RIGHT SIDE UP!



**Fifty-five people die from falls every day.
 Don't let it happen to you.**

- Use sound ladders and scaffolds - no make-shifts
- Clean up or pick up slipping and tripping hazards, or report them
- Take your time, use the rail on stairways
- Get off and on vehicles carefully - don't hitch rides

AD DEPARTMENT

WANTED: Additional drivers from Hudson Terrace or Sedgfield area to E.A. on 8 shift. Kapryan, 2393.

WANTED: Driving combination from Nelson Dr., Warwick to W.A. on 8 shift. Cora LaPrade, 4432.

FOUND: Lady's blue and white rain cap. Frances Arnn, 4413.

FOUND: Man's gray plastic raincoat in Full-Scale Res. Division Office, 2360.

FOR SALE: Old sofa - \$5. Diedrich, H-36772.

WANTED: Driving combination from Maxwell Lane to W.A. on 7:30 shift. Cooke, 4681.

WANTED: Ride or driving combination from Green Oaks to W.A. on 8 shift. Schoonover, W-86218.

FOR SALE: Sewing machine - Singer portable - electric. \$35. Howe, NN-41266.

FOR RENT: 3 room furnished apartment. Bona, H-5578.

WILL SWAP: Hid-a-bed sofa for binoculars. Slear, H-4935.

FOR RENT: 2 bedroom apartment. Norsworthy, H-33783.

FOR SALE: Youth bed and mattress, single colonial pine bed. Thornton, H-8179.

SERVICE PINS

(Continued from page 1)

from George Washington High School in Alexandria and entered on duty at the Laboratory September 2, 1941 as an aircraft modelmaker. He served in the U.S. Army from December 28, 1944 to October 16, 1946.

Wolfe claims Salem, West Virginia as his birthplace. He attended Cameron High School in Cameron, West Virginia, and served his apprenticeship as a carpenter in his home state. He entered on duty September 22, 1941 as an under aircraft modelmaker.

Kiefer was born in New York City. He attended Mechanics Institute and Cooper Union in New York. He joined the Committee on September 2, 1941 as a mechanical draftsman at Washington Headquarters and transferred to Langley on August 12, 1947.

Carroll hails from DuBois, Pennsylvania. He graduated from St. Catherine's High School and attended Williamsport Adult School. He entered on duty October 2, 1941 as an under aircraft modelmaker at the Propeller Construction Shop. He transferred to the Engineering Service Division on January 4, 1943 and graduated from the Apprentice School as an Engineering Design Draftsman in 1944.

Doyle was born in Holton, Kansas. He graduated from Holton High School and attended State School of Science in Wahpeton, North Dakota. He started his NACA career on October 20, 1941 as an under aircraft modelmaker in the Propeller Construction Shop. He graduated from the Apprentice School as an Engineering Design Draftsman.

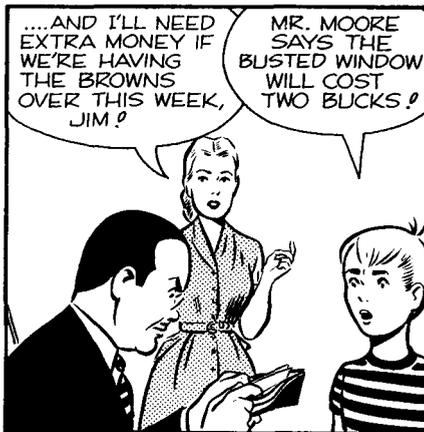
Marsena Kerner was born in St. Paul, Minnesota. She graduated from Charleston High School in West Virginia and attended Charleston School of Commerce. She entered on duty October 6, 1941 as a junior stenographer. Since coming to the NACA she has worked in the General Services Division and Personnel Division.

Mayo is a native of West Point, Virginia. He graduated from West Point High School and attended Aeronautical Technical Institute in Los Angeles. He joined the Laboratory staff on October 20, 1941 as an under aircraft modelmaker. He was assigned to Engineering Service Division in 1944.

Lewis hails from Swathmore, Pennsylvania. He attended Devitt Preparatory School in Washington, D. C. and entered on duty at the Laboratory on October 22, 1941 as an under sheetmetal worker. On September 17, 1945 he transferred from Technical Service to Planning Office and on July 15, 1946 he was

THE JACKSON TWINS

BY DICK BROOKS



assigned to Engineering Service Division.

Munick was born in Newark, New Jersey. He graduated from Orange High School in Orange, New Jersey. From 1934 to 1941 he worked for the U.S.D.I. National Park Service in Richmond. He joined the Laboratory staff on September 23, 1941 as a purchasing clerk.

Martin is a native of Paducah, Kentucky. He graduated from Tilghman High School in Paducah and attended Washington University. He entered on duty at the Laboratory on October 11, 1941 as an engineering draftsman.

Letko claims Watervliet, New York as his birthplace. He received his B.S. degree in Aeronautical Engineering from Rensselaer Polytechnic Institute and entered on duty at the Laboratory on July 1, 1941 as a Junior Aeronautical Engineer at the Stability Tunnel.

Zender was born in Donora, Pennsylvania. He received his B.S. degree in Aeronautical Engineering from Carnegie Institute of Technology and joined the Laboratory staff on August 1, 1941 as a Junior Aeronautical Engineer in the Structures Research Division.

FOR RENT: Room for gentleman. Mrs. Bomar, 908 15th St., NN-43971.

DANCING CLASSES START WEDNESDAY

Members of the beginners and advanced dancing classes are reminded that the classes will resume on Wednesday, November 7. The groups were postponed for three weeks because of official functions in the Activities Building and Halloween.

The advanced class will meet at 8 o'clock and the beginners at 9 o'clock.

Several additional couples and two or three males are needed for the beginners class. Persons interested are requested to contact Cecil Burtner, Flight, by the close of business on Tuesday, November 6.

Wally Evans, a former instructor for the Arthur Murray Studios, will teach the classes and a fee of ten dollars per person for ten lessons will be charged.

FOR RENT: 3 room furnished apartment. Mrs. White, 3812 Victoria Blvd., H-5364 after 3 p.m.

FOR SALE: 8-foot "Seashell" dinghy with sailing kit - less sail. Daniel, W-83173.

FOR SALE: 275 gallon oil tank with stand, gauge and valve - \$15. Ray Windler, H-37998.

STAFF MEMBERS RECEIVE 15-YEAR SERVICE EMBLEMS



Harold I. Johnson



Byron N. Bunting



A. Morris Wolfe



Melville F. Kiefer



William J. Carroll



John E. Doyle



James W. Mayo



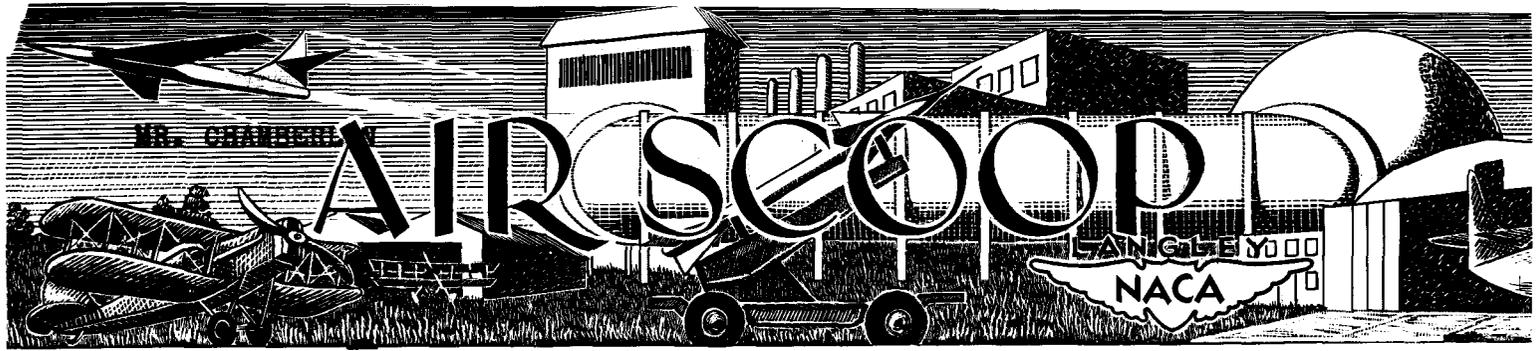
Leigh K. Lewis



John Munick



Charles E. Martin



TURKEY SHOOT WINNERS NAMED

A total of 50 turkeys were won at the Activities Association's annual Thanksgiving Turkey Shoot last Saturday. Winners may pick up their turkeys after work on November 20 at the Activities Building. Winners are requested to bring their stubs or receipts.

Sharpshooters who won in the matches were as follows: Francis X. Maher, Transportation; Joe Walker, Full Scale Tunnel; Jim Ferguson, East Erection; Charles Phillips, Electrical Shop; R. Parr, Tom Gear, West Sheetmetal; John Unganst, Transonic Dynamic Branch; Robert Graham, A. G. West, and Robert Stubblefield, Tank II.

Winning turkeys on the drawing were the following: Carl Wagner, West Machine; Elizabeth Tillery, Analytical Computing; Jim Todd; Lloyd Wallace, Stock; G. M. Levey, Vibration and Flutter; Ed-

(Continued on page 3)

DANCE PLANNED NOVEMBER 30

Cecil Burtner, chairman of the Social Committee, announced that the Activities Association will sponsor an informal dance at the Activities Building on Friday, November 30.

The affair will get underway at 9 p.m. and dancing will continue until midnight to the music of The Southerners.

Admission will be \$1.50 per couple and tickets will be available at the door only.

Burtner pointed out that if groups desire to get up a section or division party for the dance that tables may be reserved for the evening by calling the Activities Building, 4583. He urged groups to get together and enjoy an evening with friends and co-workers.

Air Scoop, November 9, 1956
Vol. 15, Issue 45

BLOOD DONORS PASS 5,000 PINT MARK

Dr. William A. Aery, Chairman of the Hampton Chapter of the American Red Cross, recently sent the following letter of appreciation to Dr. H. J. E. Reid, Director:

"The Hampton American Red Cross Chapter is most grateful to you and the members of the NACA staff at the Langley Laboratory for the active and constant support that has been given the local Red Cross blood-donor program since December 1949, when the Hampton citizens were first introduced to the idea of free blood to save human lives.

"In 29 Tidewater Regional Bloodmobile visits to NACA, through August 16, 1956, the Langley Laboratory members donated 4,971 pints of blood for use at the Kecoughtan VA Center and Dixie Hospitals, as well as at other hospitals where Hampton citizens needed blood. This generous donation of blood has also helped to support the general American Red Cross program of community service.

"During the bloodmobile visit of October 31, some member of the NACA staff at Langley will become the 5000th blood donor.

"For this cooperation in supplying free Red Cross blood that surely must have helped in the saving of human lives the Hampton Chapter wishes to thank all who have taken part in the program."

Billy Teagle, East Machine Shop, donated the Laboratory's 5000th pint of blood during the Bloodmobile visit on Wednesday, October 31. Teagle's donation was his eighth pint since the blood program was inaugurated. He was presented a certificate of appreciation by Dr. Reid and he also received a gallon donor pin.

During the visit of October 31, staff members donated a total of 173 pints of blood, bringing the Laboratory total to 5,144 since December 1949.

Two gallon pins were presented to John R. Westfall, Dynamic Loads Division, and P. Kenneth Pierpont,

(Continued on page 3)



Dr. H. J. E. Reid, (right), Director, presents a certificate of appreciation to Billy Teagle, East Machine Shop, after Teagle donated the Laboratory's 5000th pint of blood during the Bloodmobile visit on October 31. Teagle's donation was his eighth pint since the Blood Program was inaugurated and he also received a gallon donor pin. The certificate was awarded by the Hampton Chapter of the American Red Cross to honor the NACA staff's participation in the blood program. Since December 1949 Laboratory employees have donated 5,144 pints to the program sponsored by the Red Cross. Looking on is William C. Walton, Chairman of the Blood Program Committee of the Hampton Red Cross Chapter.

LANGLEY AERONAUTICAL LABORATORY

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Administration Building, telephone 2376.
 Editor.....Ruth Angel Verell
 Staff Photographer.....Bill Taub
 Reporters.....Langley Employees
 The Air Scoop is printed by the Mechanical Reproduction Staff.

LIFE AT THE LABORATORY

Celebrating.

the arrival of a seven pound, eight ounce daughter, Mary Catherine, on Saturday, November 3 are Marsena, Personnel Division, and George Kerner, 11-inch Hypersonic Tunnel.

Word has been received.

that Mary Noble, formerly of East Engineering, and Chuck Bennett, formerly of Free Flight Tunnel, became the parents of a nine pound, ten ounce son, Gregory Scott, on Tuesday, October 30.

The local Sigma Chi.

fraternity group will have a dinner meeting on Thursday, November 15 at 7:30 p.m. at Howard Johnson's restaurant. All Sigma Chi's are invited to attend. Persons planning to attend may contact Rabun Wood at Hampton 3-2712 or Langley Field 8272.

Announcing.

the arrival of a seven pound, fourteen ounce son, Samuel Hatcher, on Sunday, November 4 are Clay, formerly of 4-foot Supersonic Tunnel, and Bill Guy, West Photo Lab.

A tax exemption.

arrived at the John C. McFall Jr., household on Friday, October 26. The heir weighed in at eight pounds, seven ounces and has been named John C. III. The father, who has been removed from the critical list, works in Pilotless Aircraft Research.

Holiday notice.

Employees are reminded that Sunday is Veterans Day. According to regulations, when a holiday falls on Sunday the following Monday shall be observed as a holiday, so have a good time but if you are travelling drive carefully.

Weighing in.

at seven pounds, four ounces on Sunday, October 28 was Jimmy Lee, new son of Harold Croft, Instrument Service.

The pay day.

game night, sponsored by the Activities Association, will be held on Thursday, November 15 at 8 p.m. at the Activities Building.

Passing out cigars.

and candy is Robert Platt, 8-foot Transonic Tunnel. He became the father of a son on Sunday, November 4.

Dancing classes.

will start Wednesday at the Activities Building with the advanced class scheduled for 8 o'clock and the beginners at 9 o'clock. Several girls are needed to fill the beginners class. Persons interested are asked to contact Cecil Burtner, Flight, by the close of business Tuesday.

Celebrating.

the arrival of a new heir on Wednesday, October 24 is Bill Craig, Instrument Research Division.

Singleton Club.

At a recent business meeting the following persons were elected to the Board of Directors for the 1957 season: Melvin Anderson, chairman, Charles Ladson, treasurer, Kitty Jarrett, secretary, Don Baradell, Chick Dameron, Joan Evans, Easy Harrin, Norman Harris, Domenic Maglieri, Ed Mayo, Lan Mayo, Jean Ruddle, Roger Saunders, Robert Smiley, and Anna Belle Watts.

For your own security - and your country's - invest in U.S. Savings Bonds.

FORMER EMPLOYEE DIES UNEXPECTEDLY

Word has been received at the Laboratory of the death of Robert Woods, former staff member. Woods died unexpectedly on Saturday, November 3 in Buffalo, New York.

He joined the Laboratory staff as a Junior Aeronautical Engineer on July 16, 1928. He later resigned to design airplanes for the Towle Company in Ohio and from there he went with Consolidated Aircraft Corporation in Buffalo where he was responsible for the first two-place turbo supercharger fighter. Following this assignment he joined Bell and helped found the Bell Aircraft Company where he was a key figure in the design and construction of all Bell aircraft that followed including the first jet fighter and the X-1 and X-2 series.

Funeral services were held Tuesday in Buffalo and burial took place in Youngstown, Ohio.

LEAVE NOTICE

Laboratory employees are reminded that the 1956 leave year runs through January 12, 1957 and leave will be charged against 1956 leave through that date. The 1957 leave will be credited with the pay period beginning January 13, 1957.

This is in accordance with the Annual and Sick Leave Act of 1951, as amended by Public Law 102, 83rd Congress, approved July 2, 1953, which establishes the point at which accumulation occurs and excess annual leave is forfeited to be the beginning of the first complete pay period in any year.

LOST: Box of film sent from West Photo to Instrument Service. Finder please return to William Pittman, Instrument Service.

FOR SALE: Portable generator 1 KW 110-120 volts - 4 cycle Briggs and Stratton engine - \$130. Morse, 10 Goodwin Rd.

FOR SALE: AKC registered Dalmation pups. Clem, H-5870.

FOR SALE: 95,000 BTU H. C. Little floor furnace with automatic controls and 250 gallon oil tank. Chauvin, H-34377.

FOR SALE: 9 5/4" by 3 1/4" tension screens, 2 28" by 38" screens and 2 screen doors. Tribble, 3705 Shell Rd.

WANTED: 2 drivers from Wythe to W.A. on 7:30 shift. Emory, 4571.

FOR SALE: 200 gallon oil tank with fittings. Berry, W-85546.

BOWLING NEWS

TUESDAY TENPIN LEAGUE

Flight and Hi-G's won two games to take over first place with 12 wins and 6 losses. Woodchoppers dropped from first to a four-way tie for third. High scores were rolled by Bob Harrington with a 246 game, Jack Reeder with a 604 set, Edith Moen with a 197 game, and Mary Tysinger with a 550 set.

STANDINGS

Team	W	L	Avg.
Flight	12	6	.666
Hi-G's	12	6	.666
Woodchoppers	11	7	.611
Rockets	11	7	.611
Spare Oops	11	7	.611
Fivers	11	7	.611
West End	10	8	.555
Hornets	8	10	.444
Fiscal	6½	11½	.360
Pinbusters	6	12	.333
Full Scale	5½	12½	.305
Angus	4	14	.222

MONDAY DUCKPIN LEAGUE

Scotch and Tapers won two games to take over the lead with 16 wins and 8 losses. Top scores were rolled by Bill Letko with a 135 game, E. Mattson with a 366 set, Betty Meyer with a 125 game and Anna Belle Watts with a 315 set.

STANDINGS

Team	W	L	Avg.
Scotch and Tapers	16	8	.667
Flight	15	9	.625
Free Flight Fliers	14	10	.583
Loads	13	11	.542
24-inch	12	12	.500
Vibrators	12	12	.500
Jets	12	12	.500
Hot Chips	11	13	.458
East Machine 1	11	13	.458
Stability	10	14	.417
Structures	9	15	.375
East Machine 2	9	15	.375

WEDNESDAY DUCKPIN LEAGUE

Rebel Bombers continue in first place with 16 wins and 5 losses and Pinhookers are trailing in second with 14 wins and 7 losses. Top scores for the week were rolled by Jim Link with a 139 game, Bill Nelson with a 348 set, Ann Igoe with a 120 game and Frances Rose with a 303 set.

STANDINGS

Team	W	L	Avg.
Rebel Bombers	16	5	.762
Pinhookers	14	7	.667
16-foot	15	9	.625
Cosmoes	14	10	.583
West Model	13	11	.542
Hotshots	13	11	.542
Ribs	12	12	.500
IAB	10	14	.417
IRD	10	14	.417
Sugnas	9	15	.375
Gashouse Gang	8	15	.375
DFIS	6	18	.250

WANTED: Passengers to N.Y., Conn., or Mass. Nov 21. Spahl, H-8419.

RED CROSS NOTICE

Because of an advertisement placed in the local newspapers by the Hampton and Newport News-Warwick chapters of the American Red Cross, a misunderstanding has arisen among staff members concerning the Red Cross status in the Langley United Fund.

The American Red Cross is a member of the Langley fund. Monies allocated to the Red Cross will go to the various chapters in areas where Laboratory employees reside.

The reason for placing the ad in the newspapers was that the Hampton Community Chest and the Hampton Red Cross chapter conducted a joint campaign last year which, because of a changed situation, will not be repeated this year.

Since last year the Hampton and Newport News-Warwick Community Chests have merged into the Peninsula United Community Fund and neither the Hampton nor the Newport News-Warwick Red Cross chapter joined the 1957 Community Fund's effort now going on.

The ad was placed after discussion between PUCF and Red Cross officials to clarify the situation existing in the local communities this year.

MALE CHORUS PLANS CHRISTMAS PROGRAM

The NACA Male Chorus is rehearsing for a Christmas program and arrangements are being made to present this program over a local television or radio station in repetition of last year's successful performances.

The program will consist primarily of such well-known carols as "Silent Night," "Little Town of Bethlehem," "O Come All Ye Faithful," "God Rest Ye Merry Gentlemen," and "The First Noel".

Dr. Franklin W. Diederich, director of the chorus, has suggested that most people are familiar with these old favorites and some men who have not had any musical training or experience may enjoy participating in this kind of program. He extends an invitation to all such individuals to join the chorus for this performance.

FOR SALE: "Mathematics for Electricians and Radiomen" by Cooke, "Analog Methods in Computation and Simulation" by Soroka. Training Office, 2256.

FOR SALE: Girl's 26-inch bicycle - \$15; highchair - \$7. Land, Warwick 8-2710.

FOR SALE: 5 room Norge oil space heater - \$25. Gilliland, H-34136.

BLOODMOBILE

(Continued from page 1)

8-foot Transonic Tunnel.

The following received gallon pins: Hal Baber, PARD; Paul Geiger, East Model; Maurice Cahn, 8-foot; Ted Larson and Sheldon Kopelson, IRD; Robert Miller, Water Loads; Claud Panz and A. B. Stacey Jr., West Sheetmetal; Bob Sommers and Bill Sperry, Construction Engineering; Derrill Chambliss, Systems Engineering; Marvin Lambert, West Machine; Thomas Toll, 7 by 10; Ward Schoonover and Tom Vogelwede, Flight; and James Schmeer and Don Arabian, 16-foot.

Assisting during the visit were Dr. L. P. Bragg, Dr. Helen Dorsey, Dr. Phillip Murray and Mrs. Charles Giddings, Red Cross coordinator.

The Bloodmobile will visit the Laboratory on December 19. Additional donors are needed for this visit and employees may register by calling the East Dispensary, 2243.

TURKEY SHOOT

(Continued from page 1)

win Wynn, Spin Tunnel; Cliff Bradford, Transonic Dynamics; Willie Atkins, Warehouse; F. C. Balmer, West Model; Jim Betts, Tank; Eugene Brady, Structures; E. L. Bunting, Gas Dynamics; R. A. Hord, Gas Dynamics; H. C. Eadie, West Electrical; Clyde Cottrill, West Electrical; J. A. Drischler, Dynamic Loads; Nancy Griffin, Gas Dynamics;

George Magnus, Planning; William H. Young, West Machine; H. D. Stalnaker, West Machine; Charles Wilson, West Machine; J. W. Haas, East Erection; Carmen Hall, IAL; Allen Henning, PARD; Betty Jefferson, Purchase; Bob Miller, Water Loads; Jim Montgomery, Report Distribution; R. L. Naeseth, 7 by 10; Mary John Plemmons, Low Turbulence; A. J. Pereira, Heat Treating; J. F. Runckel, 16-foot; Seth Walters, IRD; A. W. Robins (2), 4-foot; Earle Trimble, Mechanical Maintenance; Virginia Sally, Gust Loads; T. H. Skopinski, Maneuver Loads, and C. H. Russell, IRD.

WANTED: Alternate drivers from Hampton Roads Ave. and Algonquin Rd. to W.A. on 8 shift. Mueller, 4488.

WANTED: Ride to N.Y. or Boston Nov. 9 or 10. Bengleman, 4611 or Hampton 5917.

WANTED: Driving combination from Glendale area, Warwick to W.A. on 7:30 shift. Appleton, 4611.

WANTED: Ride from Freeman Dr. to W.A. on 7:30 shift. Blanchard, 4662.

Spearhead of Progress

The recent industry-military inspection of the National Advisory Committee for Aeronautics Laboratory at Langley AFB, Va., was a dazzling display of new research facilities and techniques actively exploring areas that, until a few years ago, were considered strictly within the realm of science fiction writers. Even the most technically sophisticated of the 1,600 engineers, executives, scientists and military airmen who saw the Langley display must confess to some astonishment at the variety of research tools revealed and the areas in which NACA is using them.

Good Leadership

NACA's performance as a spearhead of aeronautical progress in this country has been so consistent that its industry and military beneficiaries and the American public tend to take the committee's contributions for granted. Therefore, it may not be amiss to detail some of the hard, brilliant and expensive effort that has been necessary to produce the results with which NACA has laid a solid foundation of new research tools, techniques and data for the successful development of supersonic aircraft and hypersonic missiles.

One of the basic ingredients in the NACA formula is, of course, good men, both at the level of top leadership and on the firing line in the laboratories. Dr. Jerome C. Hunsaker, who has been chairman of NACA during the 15 critical years since the outbreak of World War II, has combined the practical experience of an aviation pioneer with a breadth of vision that saw clearly the needs of aeronautical research through the hypersonic range. Dr. Hugh L. Dryden, director of NACA since 1948, combines the talents of a scientist who made basic contributions on boundary layer control and turbulence with the administrative flexibility required to keep this organization hard at work on new frontiers and out of the rut of complacency.

Need New Tools

In the laboratories, NACA has been fortunate to retain the loyalty and enthusiasm of a host of men who could easily command much higher monetary rewards in private industry. Listing all of them would run far beyond the confines of this space, but typical are John Stack at Langley, a catalyst in the high-speed flight research program, inventor of the transonic wind tunnel and teacher of a brilliant crew of young researchers, including Dick Whitcomb and his area rule; Charles Zimmerman, persistent pioneer in STOL concepts; R. T. Jones of Ames, originator of the swept-wing concept in this country; Harvey Allen, with his fundamental work on missile nose cones; Bob Gilruth, whose multi-stage, rocket-powered models pioneered a new research technique at Wallops Island; Abe Silverstein of Lewis, basic researcher on rockets, ramjets, turbojets and nuclear

propulsion; Irving Pinkel, dedicated to safety research, and Walter Olson on fuels.

One of the basic problems of aeronautical researchers, as distinguished from those of explorers concerned with earth or water-bound vehicles, has been the difficulty of simulating the fantastic environment encountered and the forces generated by high-speed flight. In this field, NACA has developed a wide variety of clever concepts combined with practical ironmongery and pottery to produce basically new research tools for simulation of the high speed flight environment. Even before most of these new research tools were developed, NACA was a moving spirit in pushing development of high-speed flight research aircraft such as the Bell X-1 and X-2 and the Douglas D-558 Mark I and II.

It was no accident that this country was the first to put a level flight supersonic fighter into service; the first to put into production a Mach 2 fighter, and the first to push the limit of piloted flight to 126,000 ft. altitude and beyond 2,000 mph. NACA deserves no small share of the credit for our jump into the supersonic lead.

Proud Record

In addition to its basic job of fundamental research and development of tools and techniques to do this job, NACA also has functioned in the role of a technical trouble-shooter called on repeatedly by the military and industry to iron out major bugs in new aerial weapon systems. NACA is overly modest about its achievements in this field and perhaps it should be in the interests of maximum effectiveness, but there is hardly an airframe or engine maker in this country who has not benefited directly from this type of NACA work. Now, as an operator of unitary plan wind tunnels for industry development work, NACA is expanding its contribution in this field.

Like all research organizations, NACA finds its work is never finished. Every major discovery or breakthrough merely opens a new frontier that must be explored and breeds a new family of problems that must be solved. This is a characteristic of its job that NACA always finds difficult to explain to members of the Congress concerned with its annual appropriations and its never-ending need for new types of research facilities.

NACA is a vital part of the great American aeronautical research complex that includes the Air Research and Development Command, the Office of Naval Research and the research organizations of universities and private industry. It can be justly proud of its record during the past 15 critical years in the air. The American people and the aircraft industry can look forward with confidence to its aggressive and skillful attack on the aeronautical problems of the future.

—Robert Hotz

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12 PRESENTED SERVICE EMBLEMS

In informal ceremonies held recently at the Laboratory 20 and 25-year service emblems were presented to twelve staff members.

Receiving the emerald-studded 25-year pin were: Philip Donely, Dynamic Loads Division Office; Martin J. Menges, Electrical Service; Thomas A. Johnson, Instrument Service; Albert E. von Doenhoff, Full Scale Research Division; Joseph W. Wetmore, Flight Research; Indaline T. Atkins, General Services Division, and Albert W. Bainbridge, Instrument Construction.

Twenty-year service pins were presented to the following: John V. Becker, Chief of Compressibility Research; August V. Sansone, Electrical Service; James F. Jordan, West Machine Shop, George W. Koontz, Instrument Construction, and David M. Goldenbaum, Tank I.

Donely was born in Boston, Massachusetts. He received his B.S. degree in Aeronautical Engineering from M.I.T. and entered on duty at the Laboratory as a junior aeronautical engineer on June 30, 1931. He was appointed Assistant Chief of Dynamic Loads Division in 1949.

Menges is a native of Newark, New Jersey. He attended Hampton High School and joined the Laboratory staff on September 16, 1931 as a minor laboratory apprentice. He was appointed assistant superintendent of electricians in 1951.

Johnson hails from Wachapreague, Virginia. He attended Wachapreague High School and entered on duty September 29, 1931 as an electrician's helper. He was appointed assistant superintendent of Instrument Service in 1951.

von Doenhoff is a native of New York City. He received his B.S. degree in Physics from Columbia University and joined the Laboratory staff on September 30, 1931 as a junior physicist. He was appointed head of Low Turbulence in 1946 and head of the Boundary Layer and Helicopter Branch in 1955.

Wetmore claims Everett, Mas-

(Continued on page 3)

BROCHURE ON NACA BEING DISTRIBUTED TO LANGLEY STAFF

Dr. H. J. E. Reid, Director, announced that an illustrated brochure on the NACA's "Forty Years of Aeronautical Research" is being distributed beginning today to each staff member.

The brochure, which contains 10 illustrations on research facilities and activities at Langley and other NACA laboratories and stations, was prepared by Dr. J. C. Hunsaker, who recently retired as chairman of the NACA but who continues in his capacity as a member of the main Committee.

The brochure is made up of information which appeared in the report for 1955 of the Smithsonian Institution, of which Dr. Hunsaker is a regent.

Dr. Reid, in recommending that each employee retain a copy of the brochure for future reference, pointed out that the booklet includes a variety of valuable his-

(Continued on page 3)

HOSPITAL INSURANCE BENEFITS MODIFIED

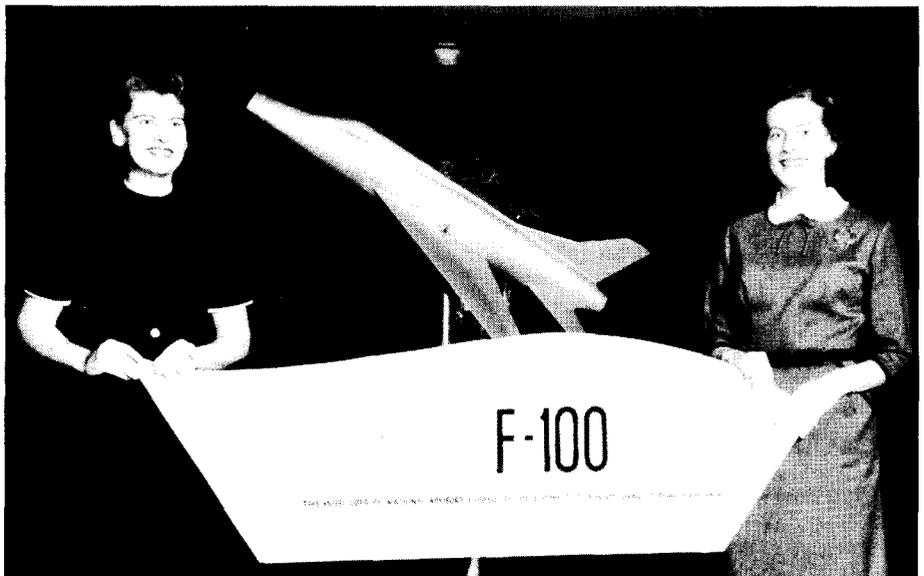
The Home Life Insurance Company of New York has notified the Laboratory that improved benefits are being offered under the Langley hospital, surgical, medical insurance contract. The modified benefits go into effect today.

Exclusive of maternity cases, insured employees and their dependents will be required to pay the first \$25, instead of the previously required \$35, for cost of combined hospital, surgical, medical services payable under the plan as it now exists. There will be no increase in premiums for individual members of the plan. Under the new benefits, an employee who leaves the NACA will be given an opportunity to convert the plan to an individual policy.

The plan will remain the same for maternity benefits with a

(Continued on page 4)

Air Scoop, November 16, 1956
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Pictured here are three beauties of the Air Force. Mona Imlay and Dottie Flanagan, both civilian employees of the USAF, and the North American F-100 fighter interceptor. The F-100 is one of the new "Century" series USAF aircraft, models of which are being displayed on the Pentagon Concourse. The F-100 model was used in the Stability Tunnel in investigations of the airplane's stability characteristics. -U.S. Air Force Photo

LANGLEY AERONAUTICAL LABORATORY

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Administration Building, telephone 2376.
 Editor.....Ruth Angel Verrell
 Staff Photographer.....Bill Taub
 Reporters.....Langley Employees
 The Air Scoop is printed by the Mechanical Reproduction Staff.

LIFE AT THE LABORATORY

During his travels.

the stork stopped by the Donald Baals household on Monday, November 5 and delivered a new heirsch. The father is head of 4-foot Supersonic Tunnel.

New Rockette.

Announcing the arrival of a daughter on Monday, November 5 are Pat, formerly of Personnel, and Charles Gurtler, IRD.

Still more babies.

Walking the floor nights is Carl Stafford, West Sheetmetal. He became the father of a son on Sunday, November 4.

Wedding bells.

rang Saturday when Barbara Soar, PARD, and Robert G. Thomson, Structures Research, took their final vows at the First Presbyterian Church, Newport News. Ivo M. Kurg, Structures, served as best man and ushers were Melvin S. Anderson, Structures; Charles L. Ruhlin, Full Scale; Theodore E. Sims, IRD, and Kenneth L. Turner, Unitary Wind Tunnel Division.

Weighing in.

at six pounds, four ounces on Monday, October 29 was Leslie Jeanne, daughter of Gerry, formerly of the Credit Union, and Alan Fitch, Internal Aerodynamics Branch.

Next Thursday.

is a holiday which means that the Air Scoop will have to go to press a day earlier than usual. Persons wishing to submit material for publication in the November 23 issue are requested to send it to the Air Scoop Office, Administration Building, by noon on Monday.

Swing your partner.

The Singleton Club Square Dance will be held tonight at 8 p.m. at the Langley Boat House. Admission will be one dollar per person.

Announcing.

the arrival of a son on Sunday, November 11 are Joan, formerly of the Editorial Office, and Gary Churchill, Full Scale Tunnel.

Making plans.

to join the ranks of newly weds is Athena Tsitsera, 24-inch High Speed Tunnel. She is engaged to Pete N. Markos, Newport News, and the wedding will take place in January.

Winners of turkeys.

during the annual turkey shoot are reminded to pick up their turkeys after work next Tuesday at the Activities Building. The turkeys will be freshly killed, dressed, and drawn.

Diaper Line.

Celebrating the arrival of a daughter on Wednesday, November 7 is Jean Colvin, Research Records.

The Langley Yacht Club's.

annual holiday dinner-dance will be held Saturday, December 1 at the Boat House Ballroom. The cocktail hour will start at 6:30, followed by a buffet dinner and dance. Admission will be one dollar for members and \$3.50 for guests. Members are urged to R.S.V.P. early by calling Mrs. Amelia Glynn, Warwick-84479. The affair will take the place of the November meeting and the election and installation of club officers will take place immediately after dinner.

With those who know investments best, the U.S. Savings Bond has no superior.

DANCE SET FOR NOVEMBER 30

Sections and divisions are reminded to make final plans and arrangements for a get together at the Activities Association's dance on Friday, November 30 at the Activities Building.

Cecil Burtner, chairman of the social committee, pointed out that section and division parties may reserve tables for the evening by calling the Activities Building, 4583.

The informal affair will get underway at 9 p.m. and dancing will continue until midnight to the music of The Southerners.

Admission will be \$1.50 per couple and tickets will be available at the door only.

TWO EMPLOYEES RETIRE FROM LAB

Lewie Ball, Bell Computer Mechanic Group Leader, and May W. McAllister, Instrument Research Division, recently retired from the Laboratory.

Ball is a native of Troutdale, Virginia. Before joining the Laboratory staff he worked from 1925 to 1933 as an electrician in Harlan, Kentucky; Bristol and Suffolk. He joined the staff on September 26, 1933 as an electrician. He had a break in service and celebrated 20 years with the Committee on January 15, 1954. He retired November 7.



Mrs. McAllister was born in Salisbury, North Carolina. She graduated from Salisbury Public School and attended Rowan Business College in Salisbury. She entered on duty April 10, 1944 as a toolcrib attendant in IRD. Her retirement was effective October 29.



APPRENTICE NOTICE

The Apprentice Alumni Association will hold its annual fall dance tonight at the Activities Building.

Dancing will be from 9 'til midnight and music will be furnished by Shelly Harmon and his orchestra.

All members and their guests are invited to attend.

WANTED: Home for 2 kittens. Cromlee, H-8848.

WANTED: Ride from Maple Ave. to W.A. on 7 shift. Poole, 4791.

FOR RENT: Room for 2 men. Poole, 133 Maple Ave. or NN-22097.



In informal ceremonies held recently, several staff members were presented service pins. Left photograph - Receiving 25-year pins were front row (from left): Albert E. von Doenhoff, Joseph W. Wetmore, and Albert W. Bainbridge. Second row - Martin J. Menges, Thomas A. Johnson, Philip Donely and Floyd L. Thompson, Associ-



ate Director, who presented the pins. Absent when the picture was taken was Indaline T. Atkins. Right photograph - Receiving 20-year emblems were (front row) - James F. Gordon, David M. Goldenbaum, and George W. Koontz. Back row - Thompson and August V. Sansone. Absent when the picture was taken was John V. Becker

SERVICE PINS

(Continued from page 1)

sachusetts as his birthplace. He received his B.S. degree in Aeronautical Engineering from M.I.T. and entered on duty at the Laboratory on September 30, 1931 as a junior aeronautical engineer. He was named head of General Aerodynamics Branch in 1946.

Mrs. Atkins is a native of Essex County. She graduated from Newport News High School and started her NACA career on October 1, 1931 as a junior typist. She was named head of the Correspondence Office in 1946 and transferred to General Services Division as a Methods Examiner in 1954.

Bainbridge is a native of Tidewater, having been born in Newport News. He graduated from the Apprentice School of the Newport News Shipbuilding and Dry Dock Company as a toolmaker and joined the Laboratory staff on October 13, 1931.

Becker claims Albany, N. Y. as his birthplace. He received his B.S. and M.S. in Mechanical Engineering from New York University and joined the Laboratory staff on September 1, 1936 as a junior aeronautical engineer. He was appointed head of 16-foot Tunnel in 1943, Assistant Chief of Compressibility in 1944 and Chief of Compressibility in 1947.

Sansone was born in Pittsburgh, Pennsylvania. He started his NACA career on September 1, 1936 as an electrician. He was appointed assistant superintendent of electricians in 1951.

Jordan is a native Hampton-

NACA BROCHURE

(Continued from page 1)

torical information on the development during the past four decades of the NACA.

Dr. Hunsaker tells in the report of the early drive for a national aeronautical research laboratory, climaxed by the establishment in 1915 of the NACA. He describes the functions of the NACA advisory committee and discusses some of the research achievements of the various NACA research centers. Other sections of the report pertain to the major expansion of facilities, beginning in 1938; the role of the NACA in World War II, and a brief look into the future of military and civil aviation.

WANTED: Boy's 20-inch bicycle. Chess, NN-27280.

FOR SALE: Taco horizontal circulator for hot water heating system. Charles, H-34848.

ian. He attended trade school at Hampton Institute and entered on duty at the Laboratory as a laborer on August 17, 1936. He had a break in service and reached the 20-year mark on September 4.

Koontz was born in Roanoke. He served his apprenticeship with the Norfolk Western Railroad Company in Roanoke and joined the staff on September 21, 1936 as a toolmaker.

Goldenbaum is a native of New York City. He graduated from Fordham High School in New York and entered on duty on September 23, 1936 as a junior calculating machine operator.

BOWLING NEWS

TUESDAY TENPIN LEAGUE

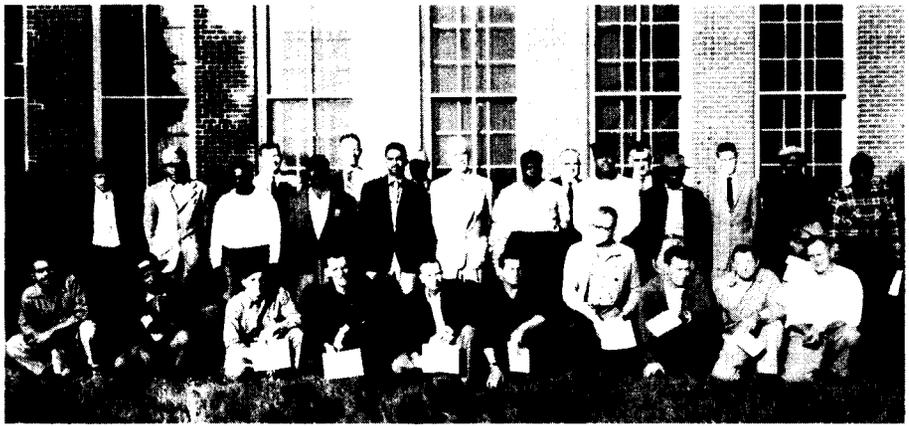
Flight Research took over top position with 14 wins and 7 losses and Hi-G's dropped from a tie for first to a two-way tie for fourth with Rockets. High scores were rolled by Guy Thibodaux with a 238 game, Jim Shivers with a 650 set, and Lucille Blanco with a 195 game and 546 set.

Team	W	L	Avg.
Flight	14	7	.666
Woodchoppers	13	8	.619
Fivers	13	8	.619
Rockets	12	9	.571
Hi-G's	12	9	.571
Hornets	11	10	.523
Spare Oops	11	10	.523
West End	11	10	.523
Fiscal	9 $\frac{1}{2}$	11 $\frac{1}{2}$.452
Full Scale	7 $\frac{1}{2}$	13 $\frac{1}{2}$.357
Pinbusters	7	14	.333
Angus	5	16	.238

WEDNESDAY DUCKPIN LEAGUE

Rebel Bombers continue to lead the league with 17 wins and 7 losses and Pinhookers are in a close second with 16 wins and 8 losses. Top bowlers were Ralph Westphal with a 141 game, Roland Tully with a 338 set, Jane Thomson with a 112 game, and Georgina Miltonberger with a 306 set.

Team	W	L	Avg.
Rebel Bombers	17	7	.708
Pinhookers	16	8	.667
16-foot	17	10	.630
Cosmoes	17	10	.630
West Model	15	12	.556
Hotshots	14	13	.519
Ribs	12	15	.444
IAB	11	16	.407
IRD	11	16	.407
Sugnas	11	16	.407
Gashouse Gang	10	17	.370
DFIS	8	19	.296



In ceremonies held last week, safe driving emblems and certificates were presented to 25 staff members and one employee received an incentive award. Left photo - Benjamin Franklin, Messenger Service, is congratulated by Dr. H. J. E. Reid, Director, for an adopted suggestion which makes possible an earlier distribution of Laboratory pay checks. Franklin received ten dollars for his suggestion. Right photo - Employees who received safe driving emblems are shown above with their supervisors and safety officials. Front row (from left) - George O. Brooks, Frank Mitcher, Thomas R. Diggs, Horace V. Bunting, Fenley R. Cooper, George E. Wyatt, George L. Burnett, James H. Selby, Herman

L. Creech, and Everett C. Dunn. Back row - Robert Davis, Joseph H. Hilton, Thomas Wilson, Francis X. Maher, Frank Parker, Marvin Forrest, Clarence Brooks, Thomas A. Harris, Dr. H. J. E. Reid, Lloyd W. Harold, Harold R. Turner, James W. Russell, Milfred Cook, Charlie Johnson, L. S. Hanson, Jesse L. Hodnett, and Cleveland Corbin. Absent were Walter K. Colonna, Arnold Foster, Baylus C. Hicks, Harry A. Stewart, and Samuel Westbrook. Safe driving awards were presented to employees whose duties require that they drive automotive vehicles at least 50 per cent of their working hours and who did not have a preventable accident during the calendar year 1955.

JOINT MEETING SET FOR TONIGHT

A joint meeting of the Engineers Club of the Virginia Peninsula and the Virginia Section of American Society of Civil Engineers will be held tonight at 8 o'clock at the Parkview School.

The topic of the meeting will be a "Panel Discussion of the Proposed Cape Charles Bridge-Tunnel Project". The public is invited to attend and invitations have been extended to mayors, councilmen, and managers of the three Peninsula cities.

Moderator for the panel will be James A. Rives, of Lublin, Mcgaughey and Associates and president of the Virginia Section of A.S.C.E.

Panel members will include: Lucius Kellam, chairman of Chesapeake Ferry District Commission; C. S. Mullen, former chief engineer of Virginia State Highway Department and presently with Wilbur Smith and Associates, Traffic Consultants, Richmond; a representative of Sverdrup and Parcell, consulting engineers; and a fourth member to represent the Corps of Engineers,, U.S. Army.

Staff members who may be interested in joining the Engineers Club may obtain application forms from F. M. Rogallo, 7 by 10; W. J. Nelson, Air Induction, and S. H. Scher, Spin Tunnel.

FOR SALE: Portable Smith-Corona typewriter with case - \$50. Ferguson, W-81693.

HOSPITALIZATION

(Continued from page 1)

maximum of \$70 being allowed for hospital services and \$40 maximum for surgical fees. In the case of a complicated pregnancy, a maximum of \$70 will be allowed for hospitalization and \$80 for surgical benefits. For a miscarriage, the rate is \$70 maximum for hospital expenses and \$20 maximum for surgical fees.

More details concerning the modified benefits will be furnished the staff at a later date.

FOR SALE: 2 electric trains with accessories. Watts, H-6656.

FOR RENT: 4 room furnished apartment. Hall, NN-71535.

CIVIL SERVICE CITES REEMPLOYMENT RIGHTS

Employees who transferred from a non-defense agency to the NACA, which is a defense agency under Executive Orders 10,180 or 10,577, will lose their rights to return to their former agency if they do not apply before February 1, 1957, according to Departmental Circular No. 870, released by the Civil Service Commission.

Previously, employees possessing such rights could apply for reemployment only when reached for involuntary separation or demotion. Now they may apply at any time prior to February 1, 1957.

Langley employees not wishing to exercise their reemployment rights by January 31, 1957 will remain Career employees at the NACA.

Anyone requiring further details concerning this departmental circular may call Personnel Records, telephone 2345.

FOR SALE: Leather-top coffee table and regency sofa. Scher, W-81604.

FOR SALE: Bed and mattress and single colonial pine bed. Thornton, Hampton 8179.

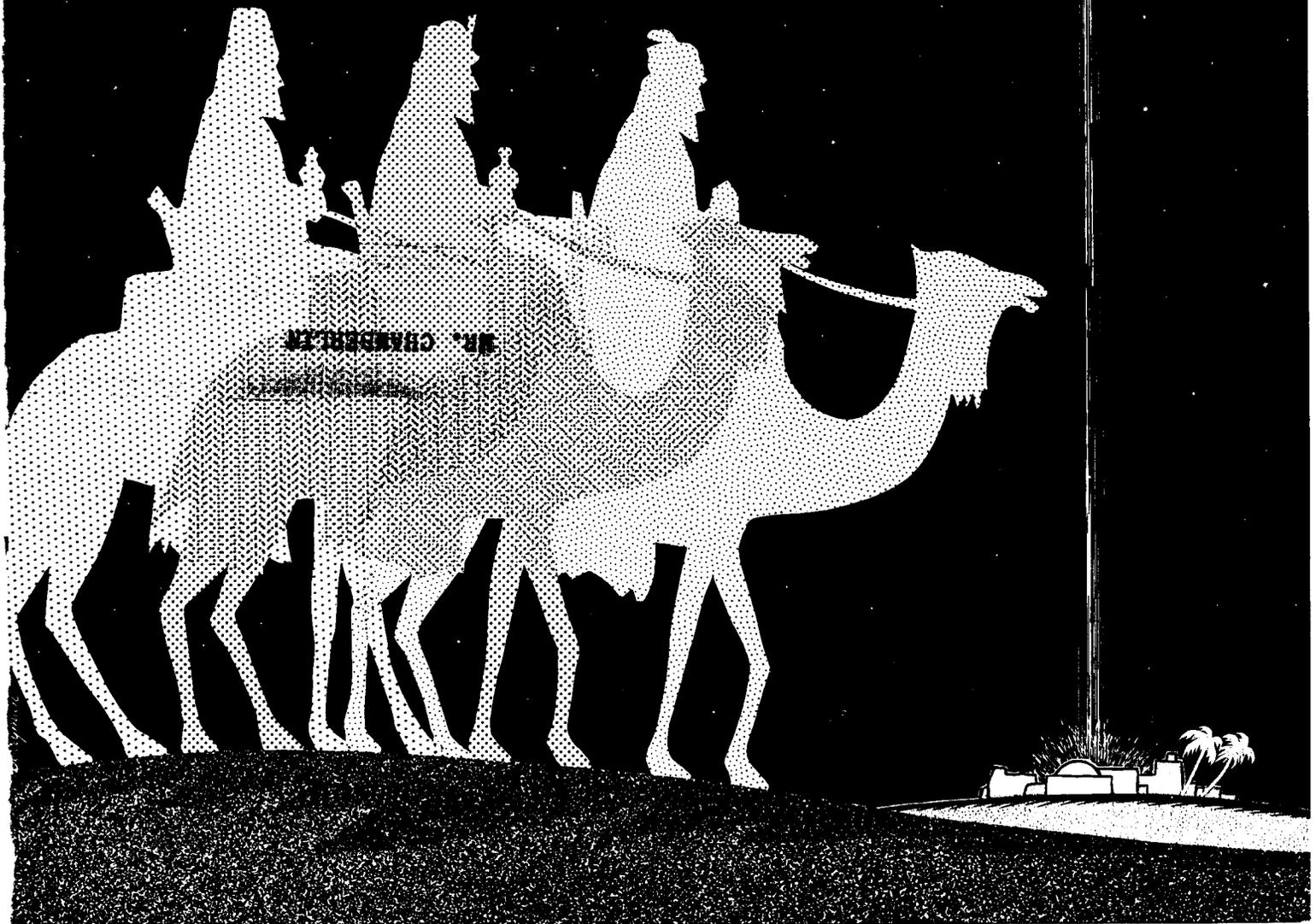
FOR SALE OR TRADE: 1954 Plymouth hardtop. Sandefur. H-30060.

FOR SALE: 2 wheel home-made trailer - \$65. Croft, H-7911, ext. 3134.

WANTED: Lot at Buckroe on or near water. Speegle, NN-46129.



PEACE
ON EARTH
GOOD WILL
TOWARD MEN



Silent Night

JOSEPH MOHR

FRANZ GRUBER



The image shows a musical score for 'Silent Night' by Joseph Mohr and Franz Gruber. The score is arranged in a grid-like format with a central portrait of a man wearing glasses and a suit. The portrait is framed by musical staves. The lyrics are written in a cursive script. The score includes three verses of the first line and the beginning of the second line.

1. Si - lent
2. Si - lent
3. Si - lent

calm, all is bright;
flies, all is light;
s Star, lend thy light;

Round you Vir - gin
Shep - herds hear the
With the an - gel

ant so ten - der and mild,
ia! hail the King!
ia to our King;



The image shows a musical score for the lyrics 'Sleep in heaven by peace, Christ the Saviour is born, Christ the Saviour is born'. The score is written on a single staff with a treble clef and a key signature of one flat.

Sleep in heaven by peace,
Christ the Saviour is born,
Christ the Saviour is born

This Christmas marks my 36th with the National Advisory Committee for Aeronautics and the 30th in my capacity as Engineer-in-Charge or Director of the Langley Aeronautical Laboratory. Christmas life at the Laboratory and in the community has changed in tempo during the intervening years, although I am happy to say that our observance continues to be characterized by the traditional hope for peace on earth - good will toward men.

In my long association with the NACA and during my three decades as head of the Langley Laboratory, I have grown prouder of the organization and the devotion of the staff to the advancement of aeronautics. During the Triennial Inspection in October, we learned that American aviation is on the threshold of (1) achieving piloted flight speedy enough to shrink the globe until any two points are within a comfortable day's journey and (2) producing intercontinental missiles capable of traveling required distances at desired velocities without being destroyed by heating. The realization of these two flight goals, which would be important in preserving our uneasy peace, depends in large measure on contributions already made by members of the Laboratory staff and on their recognized ability to produce the required research results in the future.

As staff members at Langley and Wallops Island prepare to enjoy the holiday with their families, I want to express my gratitude for their splendid cooperation in many worthwhile endeavors throughout 1956 and to wish them much happiness at this Christmas season and in the days ahead.



A. J. Reid



17 PRESENTED SERVICE PINS

Seventeen staff members were presented 15-year service pins during the month of November.

Members of the 15-year group are: James J. Dawson, East Sheetmetal; David P. Haynes, East Engineering; Ralph L. Hearn, Procurement; S. Leroy Keffer, East Model; Clifford R. Link, East Model; Robert MacLachlan, Budget Office; James M. Michael, Flight Research; Elmo J. Mottard, Tank No. 1; Claud R. Panz, West Sheetmetal; David G. Stone, PARD; Martin A. Weiner, Equipment Engineering; Mason H. Morris, Full-Scale Tunnel; Jean Gilman, Transonic Dynamics Branch; Charles C. Wilson, 8-Foot Transonic Tunnel; Virginia W. Taylor, Full-Scale Tunnel; Alice W. Thomas, Procurement; and James H. Burrell, Heat Treating.

Dawson is a native of Wheeling, West Virginia. He attended Wheeling High School and graduated from the NACA Apprentice School as an aviation metalsmith. He entered on duty November 24, 1941 as an under sheetmetal worker.

Haynes claims Statesville, North Carolina as his birthplace. He graduated from Alexandria High School and attended Columbia Tech in Washington, D. C. He entered on duty November 10, 1941 as a junior mechanical draftsman in East Engineering.

Hearn is a native of Mathews, Virginia. He attended Mathews High School and joined the Laboratory staff on November 17, 1941 as a laborer in Stock. He was appointed supervisory storekeeper in 1949.

Keffer hails from Newport News. He graduated from Great Bridge High School and attended the NACA Ap-

(Continued on page 6)

Air Scoop, December 21, 1956
Vol. 15, Issue 51

STAFF TO OBSERVE YULETIDE HOLIDAYS

Staff members are reminded that President Eisenhower has signed an Executive Order giving Federal employees a full day off on Christmas Eve, December 24.

In accordance with the Executive Order, Christmas Eve will be considered as a holiday for leave and compensation purposes. No charge will be made against leave for absences during this period. Normal working days during the Christmas week will be Wednesday, Thursday, and Friday.

The regularly scheduled administrative workweek for New Year's week beginning on December 30 has been established from Tuesday through Saturday. Normal working days in this week will be Wednesday, Thursday, Friday, and Saturday.

Sunday and Monday, December 30 and 31, will be considered regularly scheduled nonwork days and Tuesday, January 1, will be considered a holiday for compensation purposes.

CARNIVAL CONTEST PLANS ANNOUNCED

Name the Carnival and you will win a ten dollar book of carnival tickets which could win you any number of valuable and useful prizes.

This year the carnival will have a "new look" with emphasis placed on entertainment for the entire family. The children's area, which will be larger than ever, will be enclosed with supervision at all times, leaving the rest of the family free to enjoy the games and contests with valuable prizes for the winners.

Name the Carnival entries should be sent to Jack Reid, IRD. All entries must be in by 4 p.m. Friday, January 25. Judging of the contest will be done by the carnival planning committee.

It is not required that the word "carnival" be used in the proposed name.

NEW YEAR'S DANCE ENDS 1956 SEASON

The Activities Association has issued invitations to their annual ball in honor of the New Year. The outstanding social event of the year will be held on Monday, December 31, at the Activities Building. The affair will get under way at 10 p.m. so that old Father Time and his helper, Leap Year, may be ushered out in the proper manner.

Only a limited number of tickets are available to the dance and they may be obtained from members of the Executive Board. Tickets are six dollars a couple and the price includes free favors and setups.

Table reservations may be made by calling 4583. No reservations will be held after 11 p.m.

Music for the semiformal affair will be furnished by The Southerners.

For the safety and protection of persons attending the dance, fireworks will not be permitted in the building and monitors will be stationed at various points.

The following is quoted from a memorandum written by Dr. Reid: "Fireworks are not permitted in the Activities Building and the Air Force prohibits their use on Langley Air Force Base. If you have any in your possession, you are requested to leave them outside the building. If you see any fireworks in the possession of anyone in the building, please warn the person involved to take them outside, and if the warning is not heeded, please advise Bruce Amole in order that he may take necessary steps to secure their removal.

"I have instructed Mr. Amole to clear the building immediately if fireworks are exploded or if conditions in other respects are unsafe for personnel or property. I would regret having to take such action but my responsibilities for safety of persons in the building would make such action imperative."

LANGLEY AERONAUTICAL LABORATORY

The Air Scoop, an official publication of the Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Va., is published weekly in the interest of its employees. Address contributions to the Editor, Service Building, telephone 2376.

Editor Ruth Angel Verell
Staff Photographer Bill Taub
Reporters Langley Employees

The Air Scoop is printed by the Mechanical Reproduction Staff.

A SPECIAL TIME FOR SAFETY

MERRY CHRISTMAS! And we do want it to be a MERRY CHRISTMAS for you. So please take special pains to avoid accidents.

Ironically, Christmas - the time of year that should mean new life and hope for mankind - has become a time of tragedy and death on the nation's highways and even in the home. And horrible as it may seem, December 24 - Christmas Eve - is often the worst day of the year for traffic deaths!

So let all of us unite in a great effort to keep "Silent Night" from becoming "Violent Night."

Stay alert. Don't let the confusion of last-minute Christmas shopping, crowded streets, and all the general hustle and bustle distract you when walking or driving.

Slow down. Rainy, snowy, dreary weather means unsafe roads and obstructed vision.

Holiday celebrations mean more drinking by motorists and pedestrians. Remember, if you drive, don't drink - if you drink, don't drive!

Look out for booby traps even inside your home. Use house decorations that are nonflammable or flame proofed.

Keep Christmas trees and decorations safely away from fireplace heat or candle flame.

Don't overload electrical circuits. See that frayed wires and loose connections are repaired.

Dispose of used tissue paper and other waste packing materials.

Don't give toddlers toys with parts that may come loose and be swallowed.

SHARE YOUR CHRISTMAS JOY WITH OTHERS BY THINKING OF THEIR SAFETY. WHETHER ON THE ROAD OR AT HOME, MAKE SAFETY YOUR GIFT TO EVERYONE!

Kill a man with a gun and we call it murder - run him down with a 2-ton steel machine and we call it an accident.

Last year many persons died of gas - a few of them inhaled it, some put a match to it - and the rest stepped on it.

A motor vehicle has thousands of parts. But the part played by the person behind the wheel is the most important.

FOR RENT: 2 bedroom furnished house with large fenced-in yard - \$85 month. Beamon, H-33139 after 5.

A NOTE OF THANKS

Now that another year is almost over, we would like to take time out from meeting deadlines to thank the many staff members who have been so helpful throughout the year.

We sincerely appreciate your help in reporting the happenings around the Laboratory and we hope you will continue to lend us your support during the coming year by sending in your suggestions and contributions.

We would like to issue a personal note of thanks to Wesley Berryman, Technical Illustrators, for using his much valued time at home to design and draw the beautiful cover "Peace on Earth Good Will Toward Men."

Thanks to Mary Edwards, Report Typing, for typing the printed matter in this issue on the I.B.M. Electronic Typewriter and to Mechanical Reproduction Section and other units in General Services Division for their cooperation in printing and distributing the "Air Scoop" each week throughout the year.

With this issue we're taking off to join in the festivities but we'll be back in print on Saturday, January 5, so until then MERRY CHRISTMAS and HAPPY NEW YEAR.

Christmas

Christmas is more than a wreath in the window, or gaily be-ribboned packages beneath a glittering tree.

It is the family gathering, together with understanding, trust, and love, on a holiday that first began with a family - man, woman, and child, in a stable.

It is the eager faces of children aglow with anticipation and rapture, in whose eyes we see our ideals still shining, our dreams still glowing, our hopes still bright.

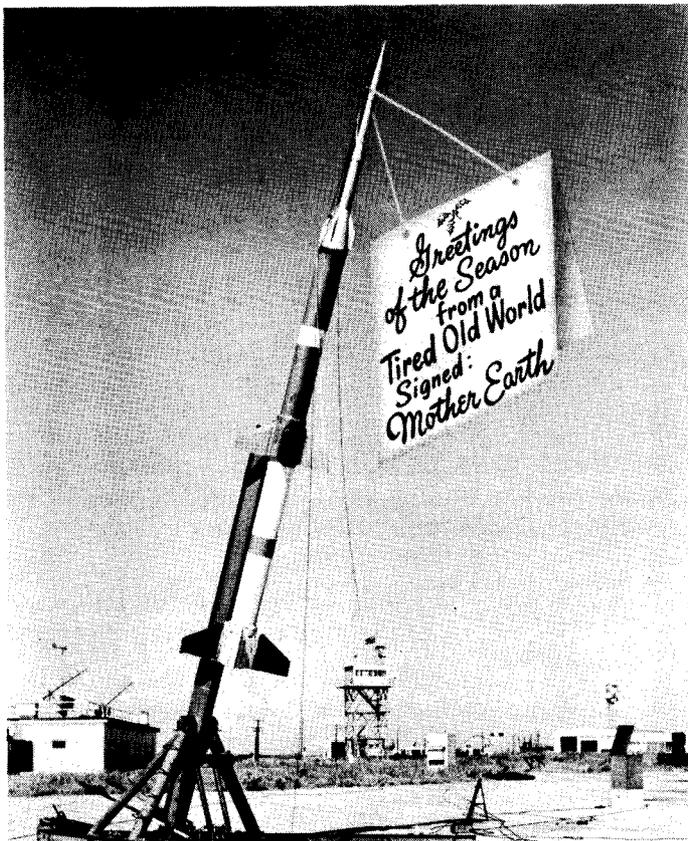
It is pride for a land so unafraid of ideas and ideologies that it encourages its children to believe in a myth complete with red suit and reindeer; so large in spirit that it makes a religious holiday a holiday for all men, regardless of religion.

It is the quiet peace that comes with the joy of making others happy; of serving instead of being served.

It is faith and hope that somehow, sometime, the spirit of good will that still lives in the hearts of men may make the promise of peace on earth a lasting reality.

--From Wilson's Certified News

To Outer Space: Via Wallops Island Express



A United Press article appearing in a Spanish language newspaper in Paraguay has been mailed to the Laboratory by a correspondent who identifies himself as O. Carlos Bauer, a public translator. In a letter accompanying the clipping, which describes the 7,000-mile an hour record-breaking research missile fired at Wallops Island, Senor Bauer philosophizes about the conditions of the world on the eve of this traditional Yuletide season.

Why, the perplexed Paraguayan wants to know, is the NACA so intent on conquering celestial space at a time when the world's affairs are so far from being settled. Rather than be concerned with the idea of travel to outer space, "I prefer first to try improving my earthen atmosphere," comments Carlos, a citizen of Asuncion. Discouraged by the failure of the ideal of lasting peace - good will toward men, the Latin American regrets that Earth does not always play the part of the warm, gentle Mother. Sometimes she is fretful and jealous and encourages bickering and unrest among the children who populate her kingdom.

Perhaps the closest Earth ever comes to achieving Utopia is at Christmas - when laughter and friendly greetings prevail and the happiness that sparkles in the eyes of little children is reflected in the hearts and deeds of men. This prompts us to pray for the time when the spirit of Christmas will continue through the year - not just for one brief and glorious season. Then Senor Bauer might agree that we have earned the right to some day leave our calling card on a strange planet many miles away.

LIFE AT THE LABORATORY

Congratulations. . . .

to Robert Knueppel, formerly of Electrical Service, upon being elected to the Eta Kappa Nu honorary fraternity for Electrical Engineers at V.P.I. Bob is a junior at V.P.I. and he graduated from the NACA Apprentice School as an electrician in 1955.

Members. . . .

of the Institute of Radio Engineers residing in the Hampton Roads Area whose names were not listed or were incorrectly listed in the 1956-57 I.R.E. Directory are asked to contact A. C. Holup, Warwick 8-2315, and furnish him with the correct information.

Arriving. . . .

just in time to be claimed as an income tax deduction was a daughter who was delivered on Wednesday, December 12 at the Thomas Pepe household. The proud father works in Electrical Service.

The pay day. . . .

game night, sponsored by the Activities Association, will not be held on Thursday, December 27. The bi-weekly game nights will be resumed on Thursday, January 10 at 8 o'clock in the Activities Building.

Wedding bells. . . .

will ring on Saturday, December 29 when Martha Jean Woollen, Spin Tunnel, takes her final vows with John Willard Shumate, Hampton, at the First Methodist Church in Hampton.

The Old West Gate. . . .

will be closed through Friday, January 4 for the Christmas and New Year's holidays.

Diaper line. . . .

Celebrating the arrival of a daughter on Monday, December 17 is Wayne Wagner, E.I.C.S.

Midnight serenader. . . .

Walking the floor nights is Paul Sandefur, West Machine Shop. He became the father of a daughter on Saturday, December 15.

Holiday notice. . . .

The Apprentice School's related study classes will be discontinued until Monday, January 7.

Thanks. . . .

Merle Ott, chairman of the Children's Committee, wishes to express her thanks to the following persons who helped during the children's annual Christmas party: Doris Blanchard, Faye Pollock, Agnes Harris, Floyd Bryant, all members of the planning committee; Jim Shivers, Connie Parker, Rosalind Parker, Lillian Boney, Claude Ingels, Helen Shaw, W. E. Quisenberry, Darl Bason, Elizabeth Kittrell, Joan Campbell, Joyce Mansfield, Bruce Amole, and Robert Coultrip. Copies of the pictures of the children with Santa may be obtained from Fred Whiting's studio on Mallory Street, Phoebus, or from Merle Ott, Full-Scale Tunnel.

WANTED: To join driving combination from Sinclair Farms to W.A. on 8 shift. Goodman, 4737.

SERVICE PINS

(Continued from page 3)

prentice School. He entered on duty November 18, 1941 as an under aircraft modelmaker and served in the Army from February 7, 1945 to November 21, 1946.

Link was born in Bethlehem, Pennsylvania. He graduated from Allentown High School and attended the NACA Apprentice School. He started his NACA career on November 12, 1941 as an under aircraft modelmaker.

MacLachlan was born in Calgary, Alberta, Canada. He received his B.S. degree in Physics from Carnegie Institute of Technology and entered on duty November 25, 1941 as a junior physicist in the Stability Tunnel. He transferred to the Budget Office in 1950.

Michael is a native of Flint, Michigan. He graduated from Flint Northern High School and joined the Laboratory staff on November 13, 1941. He served in the Army from December 19, 1944 to September 16, 1946.

Mottard claims Ashland, Wisconsin as his birthplace. He received his B.S. degree in Electrical Engineering from Marquette University and entered on duty November 24, 1941 as a junior electrical engineer at Tank No. 1.

Panz was born in Bradley Beach, New Jersey. He graduated from Manasquan High School and joined the Laboratory staff on November 3, 1941 as an under aircraft modelmaker. He graduated from the Apprentice School as an aviation metal-smith in 1945.

Morris was born in Fluvanna, Virginia. He entered on duty October 20, 1941 as an engine mechanic at PRT and transferred to Full-Scale Tunnel on August 15, 1946.

Gilman is a native Hamptonian. He received his B.S. degree in Industrial Engineering from V.P.I. and joined the Committee on October 13, 1941 as industrial engineer at PRT.

Wilson hails from Smithville, West Virginia. He graduated from Salem High School in Salem, West Virginia, and entered on duty October 10, 1941 as an under aircraft modelmaker. He served in the Army from December 8, 1943 to March 21, 1946.

Miss Taylor was born in Winchester, Tennessee. She received her B.S. degree in Mathematics from Tennessee Polytechnic Institute and



Ralph Hearn, Procurement Division, has photographic evidence to back up his fish story. He is shown above with an 8-pound and a 16-pound rock which he caught recently at the James River Bridge.

taught school in Tennessee before joining the Laboratory staff on November 3, 1941 as an assistant computer.

Mrs. Thomas was born in Hampton. She graduated from Hampton High School and joined the Laboratory staff on November 25, 1941 as a junior typist in the Procurement Division.

Stone is a native of Pocatello, Idaho. He received his B.S. degree in Aeronautical Engineering from the University of Washington and started his NACA career on November 17, 1941 as a junior aeronautical engineer at the 19-Foot Pressure Tunnel. He transferred to PARD in 1945 and was appointed head of Stability and Control Branch in 1949.

Weiner was born in Philadelphia, Pennsylvania. He graduated from Central High School and attended the Philadelphia Industrial Art School and Dobbins Vocational School. He entered on duty November 10, 1941 as a junior mechanical draftsman and graduated from the Apprentice School as an engineering design draftsman.

Burrell is a native Hamptonian. He joined the Laboratory staff on October 8, 1941 as a laborer and served in the Army from May 23, 1942 to October 25, 1945. He transferred from Maintenance to West Machine Shop in 1948.

WANTED: Young woman to share apartment with Warwick High School teacher. Joan Sandford, NN-45024.

THOMPSON WINS PHOTO CONTEST

The December black and white photo contest was held by the Langley Camera Club at Service Club No. 1 and first and second prizes were won by Colonel Thompson. Mrs. Thompson won first honorable mention. Third prize and second and third honorable mention were won by Ed Davenport, 7- by 10-Foot Wind Tunnels.

Wesley Berryman, Technical Illustrators, was judge of the contest.

The next meeting will be held at Service Club No. 1 on Monday, January 14, and guest speaker will be Mark Ritger.

ADULT EDUCATION

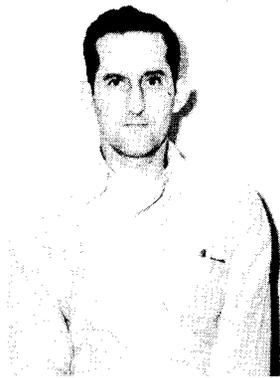
Registration date for new adult courses at Hampton High School has been set for January 3. Courses scheduled to start during the second week in January include Typing I and II, Shorthand I, II, and III, and Book-keeping I.

Two new sessions of Woodworking will be available this term. Other courses scheduled to start soon include Home Builders Forum, high school mathematics courses, and Applied English.



WANTED: Ride from 429 Newport News Ave. to E. A. on 8 shift. Maraman, 2221.

FOR SALE: 75 by 150 landscaped corner lot in Windsor Terrace. Clark, W-85024 between 6 and 8 p.m.



James J. Dawson



David P. Haynes



Ralph L. Hearn



S. Leroy Keffer



Robert MacLachlan



James M. Michael



Alice W. Thomas



Elmo J. Mottard



Claud R. Panz



David G. Stone



James H. Burrell



Martin A. Weiner



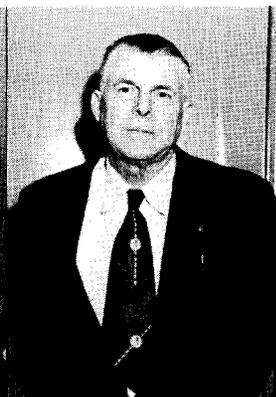
Virginia W. Taylor



Charles C. Wilson



Jean Gilman



Mason H. Morris



Clifford R. Link

LIFE AT THE LABORATORY DURING 1956

Now that we are approaching the end of another year, it is time to look back over events that made headlines at the Laboratory during 1956.

January - Dr. Sharp Elected I.A.S. President. . . . 12 NACA Papers Presented at I.A.S. Meeting. . . . Nuclear Explosion Discussion Held. . . . William Jackson Retires From Laboratory. . . . Cerebral Palsy Receives \$2,383. . . . V.P.I. Offers M.S. Degree in Physics. . . . Hospital Insurance Benefits Changed. . Sheridan Barringer Dies. . . . Credit Union Declares 4.25 Percent Dividend. . . . H. Julian Allen Receives Sylvanus Albert Reed Award. . . . Dr. Dryden Addresses I.A.S. . . . 153 Employees Donate Blood.

February - Dr. Clifford C. Furnas Appointed to Committee. . . . 44 Apprentices Graduate. . . . \$2,250 Donated to Heart Fund. . . . Gene Moen Scores Two Perfect Records on Navy's Advancement in Rating Exam. . . . William L. Shimp Dies. . . . Richard Atkinson Retires. . . . Staff Donates \$775 to Crusade for Freedom. . . . Group Life Insurance Plan Reopens Enrollment and Waives Physical Examination. . . . 14 Apprentices on Honor Roll.

March - John Houbolt Wins Rockefeller Public Service Award. . . . \$4,375 Donated to Red Cross. . . NACA Praised in Congress. . . . Proposed New Dixie Hospital Exhibited at Lab. . . . Edward McErlean Retires. . . . 162 Employees Donate Blood. . . . Sports Night Sponsored by Activities Association.

April - Dr. Reid and Howard Morris Receive 35-Year Pins. . . . Four Lewis Employees Receive Laura Taber Barbour Air Safety Award. . . . Wallace Dansey Retires. . . . 259 New Members Join Life Insurance Plan. . . . Children's Committee Presents "Kit Carson and the Indians". . . . Carnival Plans Under Way. . . . Activities Association Holds Primary Election. . . . West Machine Wins Basketball Championship. . . . 16 Apprentices on Honor Roll.

May - Charles Zimmerman Wins Dr. Alexander Klemm Award. . . . Langley Joins in Observance of No-Accident Week. . . . Eddie Rickenbacker Appointed to NACA. . . . Jack Reeder Elected President of the Twirly Birds. . . . Dr. Dryden Elected Honorary Member of Royal Aeronautical Society. . . . Edward E. Williams Dies. . . . Full-Scale Tunnel and Tank No. 1 Complete Quarter Century of Continuous Service. . . . Dennis Antinori Dies. . . . V.P.I. Offers Graduate Work in Mathematics. . . . Lewis Unitary Tunnel Opened for Inspection. . . . State Asks Prompt Payment of Taxes. . Association Holds Final Election. . . . Lab. Takes Part in Armed Forces Day.

June - I. E. Garrick Appointed to Jerome Clarke Hunsaker Professorship at M.I.T. . . . George Wingfield Retires. . . . 12 Receive Master's Degree. . . . Walter T. Bonney Presented Public Relations Award of

Aviation Writers Association. . . . NACA to Cooperate in Photographing Future Hurricanes. . . . Richard T. Whitcomb Receives Honorary Degree of Doctor of Engineering From Worcester Polytechnic Institute. . . . Anniversary Party Honors Old Timers. . . . David Alexander and Bill Muhly Receive Incentive Awards. . . Rufus Easter Dies. . . . 15-Year Plaque Honors NACA's Lockheed 12. . . . NACA Insurance Dividend Cuts Cost One-Third. . . . Annual Carnival Held. . . . Dixie Hospital Issues Courtesy Cards. . . . 141 Employees Donate Blood. . . . 16 Apprentices on Honor Roll.

July - X-Ray Survey Conducted at Lab. . . . Langley Yacht Club Holds Annual Regatta. . . . 32 Continuing Graduate Study. . . . Altitude Program Proves Valuable.

August - Woody Blanchard Wins National Model Airplane Championship for Third Consecutive Year. . . . Retirement Benefits Increase in October. . . . Vice Admiral William V. Davis Appointed to NACA. . . . William Trail Retires. . . . Robert Girouard Named Head of United Fund Drive. . . . Minimum Pay Rates for Scientists in Eight Grades Increased. . . . Abuse of Decals Noted in Survey. . . . Activities Association Holds Annual Golf Tournament. . . . Two Changes Made in Travel Rules.

September - Seven Agencies Benefit From United Fund. . . . Jim Bertoci Wins Medal Play Event. . . . Three United Fund Directors Named. . . . Lemmie Tisdale Dies. . . . 62 Apprentices Start Training. . . . Mollie Johnson Dies. . . . Male Chorus Opens Season. . Charles Insley Dies. . . . Russ Morgan Plays for Dance.

October - Eight-Hour Drive Nets \$38,874 for United Fund. . . . Whitcomb Presented NACA's Distinguished Service Medal. . . . Construction Begun on NACA Research Reactor Facility. . . . Triennial Inspection Held at Langley. . . . Dr. James H. Doolittle Named NACA Chairman. . . . Final United Fund Total Reaches \$40,349. . . . Credit Union Passes Million Dollar Mark. . . . Contractor Takes Over NACA Bus Service. . Fire Prevention Week Observed.

November - Tingle Reelected United Fund Head. . . . Annual Thanksgiving Turkey Shoot Held. . . . Blood Donors Pass 5,000 Pint Mark. . . . Brochure on NACA Distributed to Staff. . . . Hospital Insurance Benefits Modified. . . . Lewie Ball and May McAllister Retire. . Community Chest Receives \$24,365. . . . I.A.S. Convenes With Canada Group.

December - President Approves Yuletide Holiday. . . Annual Children's Christmas Party Held. . . . Plans Made for New Year's Eve Dance. . . . Flight Safety Award Won by Melvin Gough. . . . William McAllister Retires. . . . Hoffmeister Named Food Service Director. . . . Edwards Employees Honored by NACA. . . Nationwide Safety Campaign Launched.

