



I.A.S. SECTION MEETS JAN. 18

J. C. Owen and J. A. Harper, of Lear, Incorporated, will present "Integrated Flight Control Systems" at the meeting of the Hampton Roads Chapter of the Institute of the Aeronautical Sciences on Tuesday, January 18 at 7:30 p.m. at the Activities Building. Members of the Virginia Engineers Club will also attend the meeting.

Owen and Harper will arrive at Langley Field Tuesday afternoon in a DeHavilland Dove.

The Dove is equipped with the L-5 auto pilot, automatic approach coupler, altitude indicators and radio gear. An explanation of these instruments as well as a discussion of present practices used in procuring such accessory components and systems for aircraft and their effect on operational aspects, aerodynamic considerations and tactical requirements of future aircraft designs will be the main body of the presentation. On Wednesday, a flight demonstration of the equipment will be presented for those interested.

Owen joined Lear, Incorporated, in 1953 as chief engineer of

(Continued on page 2)

LIFE INSURANCE PREMIUMS DUE

Members of the NACA Group Life Insurance Plan are reminded that the quarterly premium was due January 1 and must be paid no later than Wednesday, January 20, at the end of which time individual memberships will lapse if not paid.

The I.B.M. cards, which serve as a premium notice, were distributed with the Laboratory's pay check on December 30.

Premiums will be accepted at the following collection points:

East Area - Travel Office, Administration Building.

West Area - Accounting Office, Warehouse Building.

Air Scoop, January 14, 1955
Vol. 14, Issue 2

NEW DOCUMENTS IN '54 TOTAL 923

A total of 923 new NACA publications were printed at Langley during 1954 and distributed to various aircraft companies, commercial aviation operators, the military services, and other Government agencies approved to receive them.

Walter H. Lee Jr., head of the Report Distribution Section, reports that 648,028 copies of all NACA publications were distributed during the year by Langley's Report Distribution Section, including 501,018 to those on the initial NACA mailing list and entitled to automatically receive research reports, and 147,010 issued in response to 19,500 separate requests.

The Report Distribution Section, located in the Utility Building and a part of the General Services Division, receives an average of 77 requests a day for copies of NACA research reports, the Committee's end product. Langley prints

(Continued on page 2)

EMPLOYEES INVITED TO ENTER CONTEST

Artists, designers, and employees with original ideas are invited to submit designs or suggestions for decorating the valence across the top of the bar in the Activities Building. The bar has been remodeled and something new along the theme of relaxation and entertainment is needed to complete the renovation.

The Activities Association will award a \$25 savings bond to the person submitting the best design or idea.

The bar is 4 feet high and 21 feet across. The front of the bar is bright red, the counter top is gray, the background is natural plywood and the walls are gray with an off-white ceiling.

The contest is open to all employees and members of their family. Persons wishing to inspect the bar may make arrangements with Bruce Amole, Activities Building.

(Continued on page 3)



Report Distribution Section mailed out more than 640,000 copies of reports last year. Preparing the copies for distribution are (from left): Phillip W. Lovett, Everett L. Bennink, Frank A. Williams, Walter H. Lee Jr., and James O. Joyner.

--Photo by Bill Teub

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

The stork.

started off the New Year with a busy schedule. He stopped by the John Nuttall household on Thursday, January 6 and delivered a new heir. The proud father works in Instrument Research.

Arriving.

just short of the income tax deduction deadline was a new son who was delivered to the William C. Edward household on Sunday, January 2. The father works in Data Reduction Section.

Diaper Derby.

Announcing the arrival of a daughter on Monday, January 3 are Anne, formerly of AWT, and Bill Boatright, 9-Inch Supersonic Tunnel.

Dan Cupid.

came out of hibernation long enough to score a bull's eye when Barbara Jones, Planning Office, announced her engagement to Glenn Nelson, Newport News. No definite date has been announced for the big event.

Passing out.

cigars and candy is James Emery, Cascade Aerodynamics. He became the father of a son on Wednesday, January 5.

Walking.

the floor nights is Edwin A. McErlean, Instrument Research. The stork delivered a new son at his house on Sunday, January 2.

Midnight serenader.

Celebrating the arrival of a new son on Monday, January 10 is Byron Buntin, Dynamic Model Shop.

Recuperating.

at home from a recent operation and wanting some cheerful company is Wallace I. Dansey, Gas Dynamics Branch.

Arriving.

in time to make the income tax exemption deadline was Gary, who was delivered to the Austin McHatton household on December 21. The mother, Leah, is formerly of Instrument Research, and the father works in East Model Shop.

Weighing in.

at seven pounds, two ounces on December 17 was Jennifer Lynn, new daughter of James L. Miller, West Machine Shop.

Basketball.

The American Legion Post 31 basketball team, which is composed largely of NACA basketball stars, will meet the Fort Eustis quintet tomorrow night at 8 o'clock at the Hampton High School gym. Two girls' teams will play a preliminary game at 6:30.

FOR SALE: 3 bedroom brick ranch house on corner lot in Windsor Terrace. Evans, Hampton 3-4237.

FOR SALE: 1951 Pontiac convertible, hydromatic, radio, and heater - \$1795. Johnson, Hampton 3-3014.

FOR SALE: 1953 Plymouth - 4 door Cranbrook, Hy-drive radio and heater - \$1295. Pollard, H-5347.

FOR RENT: Room for gentleman - located in Wythe. Francis, NN-26382.

FOR RENT: Furnished apartment. Booker, Hampton 6716.

He knows little who will tell his wife all he knows. --Fuller

"Your best safety device is nine inches above your neck."

I.A.S. SECTION

(Continued from page 1)

the Instrument Engineering Department, Grand Rapids Division. Prior to joining Lear, he served as senior engineer in charge of Flight Control Systems for twelve years with the Eclipse-Pioneer Division of Bendix Aviation Corporation. He is a graduate of the U.S. Naval Academy and is credited with a number of major contributions in the field of automatic flight.

Harper served four and a half years as an Aeronautical Research Pilot in the Flight Research Division at the Laboratory. In 1953 he joined Lear, Incorporated, as an Engineer-Pilot. He has had considerable experience both in the active and reserve Naval service as a pilot. He is currently serving as Commanding Officer of Attack Squadron 772 at NAS, Los Alamitos, California. He received a B. S. in Aeronautical Engineering from the University of Michigan in 1948.

NEW DOCUMENTS

(Continued from page 1)

and distributes all NACA research documents.

An NACA report goes through a long and intricate process before it emerges from the Laboratory's busy printing presses as a finished product of the aeronautical sciences. A number of Laboratory activities have a hand in preparing and printing it, including staff members in research, technical services, and administrative, the Laboratory's three organizational components.

GOOD SAMARITAN

Employees who parked their cars in the area at the north end of the Utility Building were in for a pleasant surprise last Tuesday. After watching it snow for the better part of the day, it was quite a treat to find some unknown benefactor had done his good deed for the day by cleaning the snow and ice off the windshields of the cars parked in that lot.

The mystery man was Mike Mitchell, of Goodpar Ice Cream Company in Newport News. He had come to pick up his wife, Tish, who works in Stenographic, and arriving early he passed the time by scraping ice off car windows.

FOR SALE: Storkline crib - \$15, high chair - \$5. Ryan, Warwick - 8-2077.

FOR RENT: 3 1/2 room furnished waterfront apartment - \$60 per month. Prefer couple or 2 girls. Hooker, 1117 Chesapeake Blvd., Newport News 4-3038.

BOWLING NEWS

WEDNESDAY DUCKPIN LEAGUE

West Model increased their lead by two games by virtue of Rebel Bombers' three-game loss. Leading with high individual averages are J. Nettles with 108.57 and One-da Moore with 100.15.

STANDINGS

Team	W	L	Avg.
West Model	28	14	.667
Rebel Bombers	26	16	.619
West Machine 2	24	18	.571
Const. Eng.	22	20	.524
Hotshots	22	20	.524
IAB	22	20	.524
RIBS	21	21	.500
Alley Cats	15	24	.385
16-Foot	14	25	.359
West Machine 1	13	29	.310

TENPIN LEAGUE

Headpins took over first place with 30 wins and 15 losses but West End Pharmacy is following in second by only a one-game margin. Charles Edminston rolled top scores for the men with a 248 game and 618 set. Tops for the women were Lucille Blanco with a 212 game and Edith Moen with a 532 set.

STANDINGS

Team	W	L	Avg.
Headpins	30	15	.667
W. End Pharmacy	29	16	.644
Flight	27	18	.600
Fivers	26.5	18.5	.589
Spare Oops	25	20	.556
Eagles	23	22	.511
Hudson Hornets	23	22	.511
Hi-g's	23	22	.511
Rockets	22	23	.489
Pinbusters	22	23	.489
City Motors	16	29	.356
Cost Office	3.5	41.5	.078

IRD-PARD BOWLING LEAGUE

Jets won all three games to continue in first place with 19 wins and only 2 losses. High scores were rolled by Al Bainbridge with a 129 game, John Ward with a 334 set, and Jane Ann Waters with a 113 game and 277 set.

STANDINGS

Team	W	L	Avg.
Jets	19	2	.905
Terrorpins	15	6	.714
Screwballs	12	9	.571
Skyhooks	11	10	.524
Pinhookers	11	10	.524
Goofballs	11	10	.524
New Leafers	9	12	.429
Juggernauts	9	12	.429
Wrecks	8	13	.381

MONDAY SPORTS BOWL LEAGUE

Gas Dynamics II and Free-Flight Flyers started off the second round of play with a perfect record of 3 wins and no defeats. High scores for the week were rolled by Todd Burk with a 157 game and 385 set, Joan Rashis with a 138 game and Gay Gilbert with a 371 set.



You made it through another year without hunting or killing yourself in traffic

WANTED: Girl's 20 or 24-inch bicycle. Lee, Warwick 8-0643.

WANTED: Ride or driving combination from vicinity of Maxwell Rd. or Oyster Point Rd. and Warwick Rd. to W.A. on 8 shift. Theisen, 4420.

WANTED: Boy's 20 inch bicycle. Fuhrmeister, Warwick 8-2852.

FOR SALE: Underwood typewriter - office model - \$55. Gardner, Hampton 4815.

FOR SALE: 17-inch TV set. Parr, Hampton 3-2568.

SQUARE DANCE SERIES PLANNED

The Promenaders square dance club has planned a series of four dances which will be held during January and February. The first dance in the series will be held tomorrow night at 8:15 at St. Roses in Wythe.

Dances are also scheduled for Saturday, January 29 at St. Roses, Saturday, February 5 at the Activities Building, and Saturday, February 19 at St. Roses. All dances start at 8:15.

Square dance classes will be held every Friday night from 8 to 10 at St. Roses, starting January 21 and continuing through March 25.

Persons interested in the classes are asked to call Mary Gregory, Warwick 8-0667.

SPONSOR CONTEST

(Continued from page 1)

Entries must be submitted to Amole by February 15. Entries should be placed in a numbered envelope and another small seal envelope bearing the same number and with the contestant's name inside should be enclosed with the entry.

As of press time on Wednesday, one suggestion had already been submitted and more are expected to pour in within the next few days.

FOR RENT: Room for girls. Mrs. Treadwell, 74 Shenandoah Rd., Hampton 3-9477.

FOUND: Gold earring between Service Building and Administration Building. Air Scoop, 2376.

STANDINGS

Team	W	L	Avg.
Gas Dynamics II	3	0	1.000
Free-Flight	3	0	1.000
No Names	2	1	.667
Gas Dynamics I	1	2	.333
Scotch and Taper	0	3	.000
Loads	0	3	.000

MONDAY DUCKPIN LEAGUE

East Machine continued in first place with 30 wins and 9 losses. High scores for the week were rolled by Bill McCauley with a 120 game and 344 set, Katherine Collie and Miriam Huggins with a 110 game each, and Nan Harrison with a 289 set.

STANDINGS

Team	W	L	Avg.
East Machine	30	9	.769
Vibrators	29	13	.690
Fabrication	25	14	.641
PARDners	18	21	.462
Mech. Maint.	18	21	.462
Stankers	17	25	.405
Flight	17	25	.405
Structures	15	24	.385
Minors	11	31	.262

LEWIS EMPLOYEES RECEIVE EMBLEMS

Five former Laboratory employees were presented service pins in ceremonies held recently at the Lewis Laboratory. The diamond studded pin was presented to Carlton Kemper, Office of the Director. Twenty-five year pins were presented to Eugene C. Braig Jr., Management Improvement Officer; William K. Ritter, Assistant Chief of Compressor and Turbine Research; and Vern Rollin, Staff Assistant in Physics Division. Beverly G. Gulick, Chief of Facilities Engineering Division, received a 20-year service pin.

Kemper was born in Washington, D. C. and received his B.S. in Mechanical Engineering from the University of Pennsylvania in 1923. He joined the Langley staff in September, 1924 and transferred to Cleveland in January, 1943.

Braig hails from West Point, New York and attended the University of Virginia. He joined the Langley Laboratory August 13, 1929, transferred to Ames in 1940 and to Lewis in July, 1943.

Ritter claims Hereford, Texas as his birthplace. He graduated from Oklahoma University and received his A B in 1928, his B.S. in Mechanical Engineering in 1929, and Professional Degree in M.E. in 1935. He joined the Committee at Langley in June, 1929 and transferred to Lewis in June, 1943.

Rollin was born in Duluth, Minnesota. He received his bachelor's degree from the University of Minnesota in June, 1929 and joined the Langley staff a month later. He transferred to Lewis in June, 1943.

Gulick is a native of Virginia, having been born in Aldie. He received his B.S. in Civil Engineering from George Washington University in 1932. He entered on duty at the Langley Laboratory November 20, 1933 and transferred to Lewis in December, 1941.

FOR RENT: Room for 1 or 2 girls - meals served if desired. Mrs. Sugg, Hampton 3-6978.

WANTED: Atlernate drivers from Christopher Shores and Stuart Gardens to E.A. on 8 shift. Young, 2292 Haynes, 2351, or Martina, 2281.

FOR RENT: Room in Wythe. Mrs. Hicks, NN-61222 after 6 p.m.

WANTED: Ride for 2 from New York to the Peninsula Jan. 23 or 24. Pollock, 4459.

WANTED: Ride from Southampton to E.A. on 8 shift. Boney, 2277.



"It's the old eternal triangle—but I think she's really after his savings bonds."

CREDIT UNION MEETS JAN. 17

The annual meeting of the LMAL Federal Credit Union will be held Monday, January 17 at the Activities Building. Albert E. von Doenhoff, president of the organization, stated that he expects this meeting of shareholders to be the largest ever held since the Credit Union was organized on April 10, 1936.

Due to the large number of tickets requested for the buffet supper, arrangements have been made to start serving at 6:15 instead of 6:30 p.m. as designated in the letter sent to members. Meals will be served continuously from 6:15 until 7 o'clock. Tickets will be collected at the door and later used in the drawing for the door prizes.

Members who do not have tickets to attend the supper but who plan to attend the business meeting at 8 o'clock will receive tickets at the door for the drawings. In order to be eligible to receive a door prize, the holder of the lucky ticket must be present at the drawing.

WANTED: To join driving combination from Christopher Shores or will pick up passengers enroute to W.A. on 7:30 shift. Phillips, 4679.

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

FOR SALE: Easy-spin dryer washing machine - \$35, Westinghouse roaster oven - \$15. McCauley, H-36418.

WANTED: Ride from Cherry Acres to W.A. on 8 shift. Mary Eadie, 4476.

FOR SALE: 6-foot and 20-foot counter - ideal for work benches, also 6 tube 40 watt florescent lights. Stapilus, Warwick 8-2296.

DR. EDWARD R. SHARP ELECTED I.A.S. OFFICER

Dr. Edward R. Sharp, Director of Lewis Flight Propulsion Laboratory, has been elected as one of the four vice presidents of the Institute of the Aeronautical Sciences for 1955. He will be installed at the Institute's Honors Night Dinner in the Sheraton Astor Hotel, New York, on January 24. The dinner will be a highlight of the four-day annual meeting of the I.A.S. January 24 to 27.

Robert E. Gross, president and board chairman of Lockheed Aircraft Corporation, Burbank, California, has been elected president of the Institute for 1955. He will be the twenty-third president of the Institute, whose membership of 10,000 includes the Nation's leading aeronautical engineers.

In addition to Dr. Sharp the following have been elected as vice presidents: T. Claude Ryan, president of Ryan Aeronautical Company of San Diego, California; Edward C. Wells, vice president-engineering, Boeing Airplane Company, Seattle, Washington, and Roger Wolfe Kahn, test pilot and service manager of Grumman Aircraft Engineering Corporation of Bethpage, Long Island, New York.

As treasurer for 1955, the I.A.S. elected Charles H. Colvin, president of Colvin Laboratories of East Orange, New Jersey.

The three principal staff officers of the Institute were re-appointed by the I.A.S. Council. They are: S. Paul Johnston of Princeton, New Jersey, director, Robert R. Dexter of Ossining, New York, secretary, and Joseph J. Maitan of Garden City, Long Island, New York, controller.

RED CROSS OFFICIAL THANKS BLOOD DONORS

Mrs. Clark Thompson, Executive Secretary of the Hampton Chapter of the American Red Cross, sent a letter to the Laboratory this week thanking the staff members for their splendid cooperation in the blood program. Last year the Bloodmobile visited the Laboratory five times and employees donated a total of 1,017 pints of blood.

The blood program is one of the many public services sponsored by the American Red Cross.

FOR RENT: Single or double rooms for gentlemen. Mrs. Scruggs, Warwick 8-4692 after 7 p.m.

WANTED: To join car pool from Fairview Farms to W.A. on 8 shift. Bartlett, Hampton 3-5766.



NACA CELEBRATES 40TH ANNIVERSARY

The National Advisory Committee for Aeronautics yesterday celebrated the fortieth anniversary of its creation by law to "supervise and direct the scientific study of the problems of flight, with a view to their practical solution," and to "direct and conduct research and experiment in aeronautics."

The idea of an advisory committee for aeronautics was the dream of one man, Dr. Charles D. Walcott, secretary of the Smithsonian Institution and a member of the first Committee. Dr. Walcott spent several years trying to convince governmental officials of the need for such a group and finally the threat of World War I helped persuade the lawmakers of the country. A bill to create the Committee was finally approved by Congress as a rider on the Naval Appropriations Bill. On March 3, 1915, President Woodrow Wilson signed the bill and appointed the first Committee.

In the summer of 1916, Dr. Walcott consulted Army and Navy authorities on a proposal to establish a joint Army-Navy-NACA experimental field and proving ground for aircraft. Many sites were considered and a tract of land north of Hampton, Virginia, was finally selected as the location for a joint experimental field.

In 1917 construction was started to erect a laboratory at Langley Field. The first building, which now serves as the Administration Building of the Langley Laboratory, was completed in 1918 and the same year work was begun on the Atmospheric Wind Tunnel, the first building of the Langley Laboratory to be devoted exclusively to research. The Administration Building, the Atmospheric Wind Tunnel, and a shack which served as the engine laboratory were formally opened with appropriate exercises in June, 1920 and dedicated as the Langley Memorial Aeronautical Laboratory, in honor of Dr. Samuel Pierpont Langley, noted scientist whose aeronautical research in the nineteenth century was internationally known.

(Continued on page 2)

TRAFFIC VIOLATIONS ON INCREASE HERE

The number of traffic violations at Langley by Laboratory staff members has increased in the past few days and NACA drivers of Government and personal vehicles are asked to make a more determined effort to abide by Base traffic regulations.

Some of the violations include speeding, failure to halt at stop signs, and illegal parking.

In connection with the problem of parking, one of the more serious offenses concerns the parking of vehicles in such a way that entrances to buildings are blocked.

The blocking of building entrances is a serious breach of safety, especially since such illegal parking could result in a disaster in the event of fire, explosion, or other catastrophe requiring quick access by firefighters and other

(Continued on page 2)

Air Scoop, March 4, 1955
Vol. 14, Issue 9

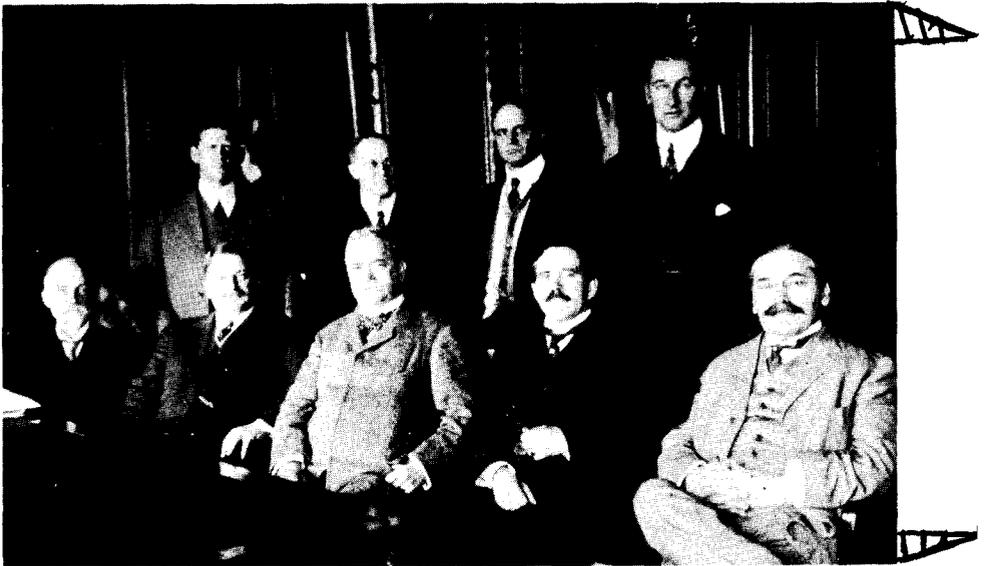
CRUSADE FOR FREEDOM ENVELOPES AVAILABLE

Contribution envelopes and Freedom Scrolls have been made available to attendance clerks throughout the Laboratory for the convenience of staff members interested in participating in the annual Crusade for Freedom.

Donations received during the Crusade are used to support Radio Free Europe, a network of 29 powerful transmitters and relay stations in West Germany and Portugal. The network broadcasts news of the free world to freedom-loving people behind the Iron Curtain.

The Crusade is endorsed by President Eisenhower, who points out that Radio Free Europe "is performing an outstanding service in bringing truth, encouragement and hope" to the 70 million captive people behind the Iron Curtain, "helping to keep them strong-hearted, nationally proud and determined to win their own way back to freedom."

(Continued on page 2)



The above picture was taken at the first meeting of the National Advisory Committee for Aeronautics in the Office of the Secretary of War on April 23, 1915. Members of the Committee are seated (from left): Dr. William F. Durand, Dr. S. W. Stratton, Brig. Gen. George P. Scriven, chairman, Dr. Charles F. Marvin, and Dr. Michael I. Pupin. Standing: Holden C. Richardson, Dr. John F. Hayford, Capt. Mark L. Bristol, and Lieut. Col. Samuel Reber. Not shown in the picture were Dr. Joseph S. Ames, B. R. Newton, and Dr. Charles D. Walcott.

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Staff Photographer.....Bill Taub
Reporters.....Langley Employees
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40TH ANNIVERSARY

(Continued from page 1)

The expansion of the NACA has not been limited to Langley Field alone. The NACA now operates three large research centers located in Virginia, Ohio, and California, and two field stations in Virginia and California. The NACA Headquarters, which serves as the nerve center of the research activity of the NACA, is located in Washington, D. C.

The Ames Aeronautical Laboratory, Moffett Field, California, was founded in 1940 to concentrate on problems of high-speed aerodynamics. It was named for Dr. Joseph S. Ames, one of the first members of the NACA and its long-time chairman.

The Lewis Flight Propulsion Laboratory, located adjacent to the municipal airport at Cleveland, Ohio, was founded in 1942 and named in honor of Dr. George W. Lewis, NACA's Director of Aeronautical Research for nearly thirty years.

In addition to the three research centers, the NACA also operates the High-Speed Flight Station at Edwards, California, and the Pilotless Aircraft Research Station on Wallops Island, Virginia.

LIFE AT THE LABORATORY

Weighing in.

at seven pounds, six ounces on Thursday, February 10 was James Curtis, new son of Mary, formerly of Payroll Office, and Jim Parks, Pilotless Aircraft Research.

Dan Cupid.

scored a victory this week when Ann Quay, Induction Aerodynamics Computers, announced her engagement to Walter Gardner, of Hampton. The wedding will take place on April 16 in Charlotte, North Carolina.

The pay day.

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

Diaper derby.

Celebrating the arrival of a nine pound, three ounce son, Michael Franklyn, on Thursday, February 24 are Helen, formerly of Landing Loads, and Thomas Bridgeland, Pilotless Aircraft Research.

The Peninsula Audio.

group will meet on Tuesday, March 8 at 8 p.m. at Radio Station WACH. All members are urged to attend.

Midnight serenader.

Announcing the arrival of an eight pound, eight ounce son, Bradley Stephens, on Thursday, February 24 is Ralph Byers, Instrument Research Division.

Word.

has just reached the Laboratory that Jackie Stearn, formerly of East Library, became the mother of a son on Saturday, February 26.

FREEDOM CRUSADE

(Continued from page 1)

The President announced that he was "particularly pleased with the outstanding cooperation of the Federal departments and armed services" in the 1954 Crusade. The Laboratory, which collected \$719 last year, is taking part in the Crusade in cooperation with Robert C. Cutler, Newport News postmaster, Peninsula area chairman.

Employees who are interested in obtaining an envelope may request one from their attendance clerks. The envelopes containing the donation may be mailed individually by the contributor or returned to the attendance clerks.

Envelopes returned to attendance clerks with contributions will be collected Friday, March 11, by Ruth Verell, Air Scoop, who is coordinating the Laboratory's Crusade for Freedom activities.

Imprinted on the Crusade for Freedom envelopes is the following address: "Crusade for Freedom, c/o

Postmaster." Since the Newport News postmaster is heading up the local campaign, staff members who mail their contributions individually may, if they wish, add "Newport News, Virginia" to the address. A stamp is not required for envelopes returned with a contribution to the attendance clerks.

Attendance clerks also have available Freedom Scrolls, which provide a space for employee signatures and the amount of individual contributions alongside the signature. It is not a requirement that the scrolls be signed and, if they are signed, it is not necessary that the amount of contribution, if any, be recorded on the scroll.

FOR SALE: 24-foot magnesium extension ladder with non-slip feet. Furlong, Newport News 2-3813.

WANTED: Passengers or alternate drivers from Phoebus to E.A. on 8 shift. Monta, 2208.

WANTED: Chihuahua pup. Overton, Hampton 3-5084 after 5.

TRAFFIC VIOLATIONS

(Continued from page 1)

emergency personnel.

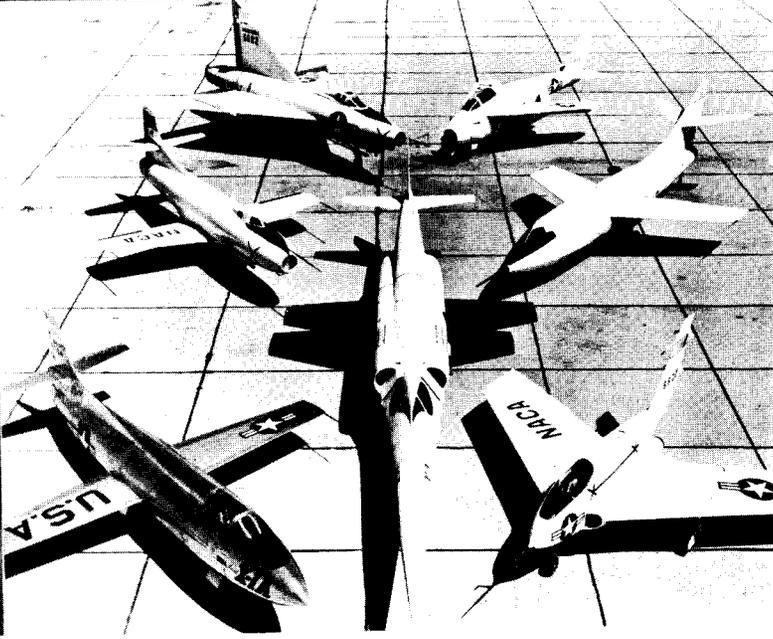
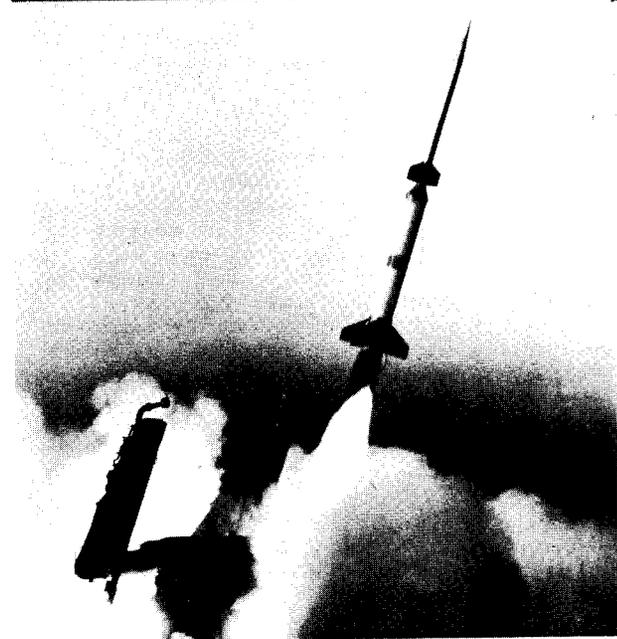
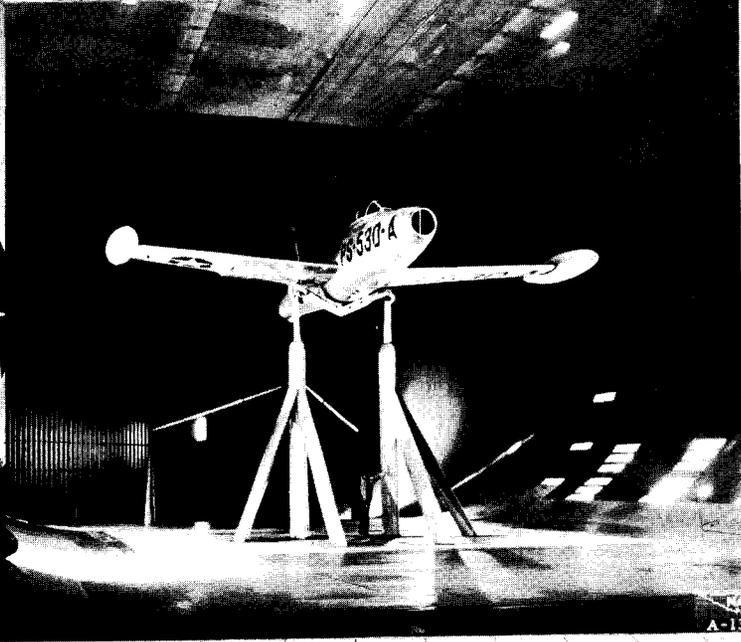
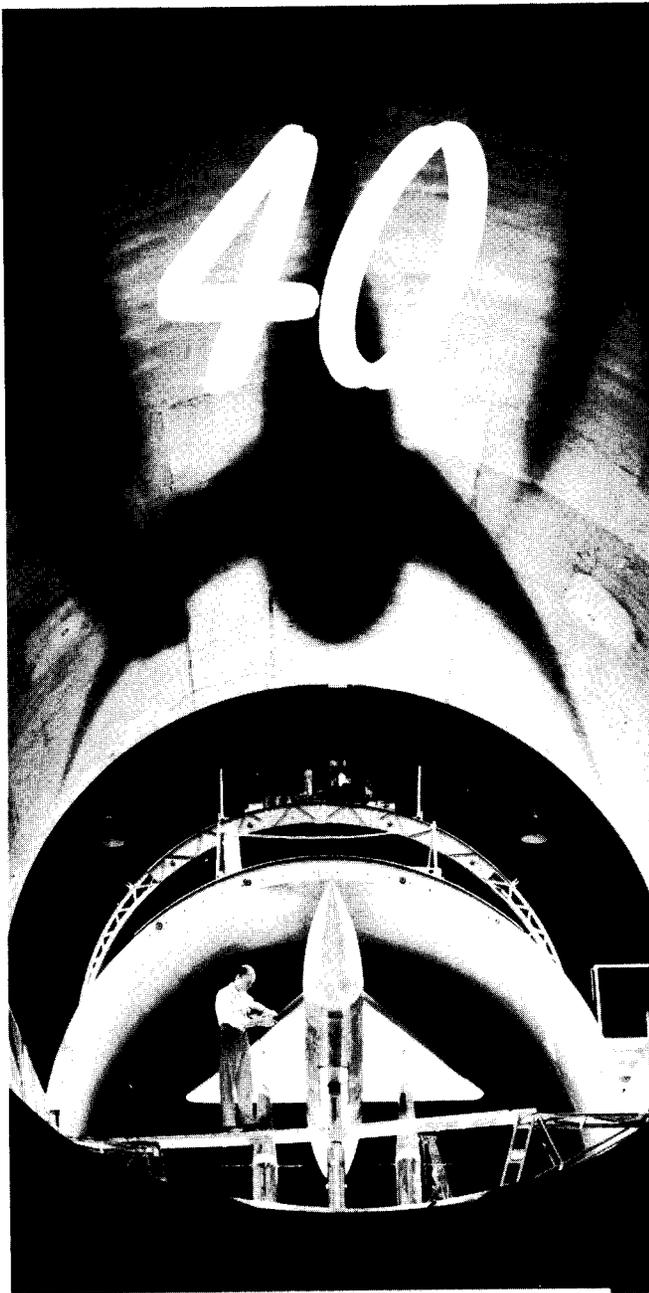
"No parking" areas are clearly marked and Laboratory employees are requested to honor these and other traffic signs on the Base. The speed limit at Langley is 20 miles per hour, unless otherwise indicated.

WANTED: Alternate driver from LaSalle Ave. - Wythe area to E.A. on 8 shift. Jones, 2381.

FOR SALE: Refrigerator. Gills, Hampton 3-6852.

PHOTO CUT LINE

Yesterday the NACA celebrated its fortieth anniversary. Shown on page three is a photo montage representing the various research activities operated by the NACA. The upper left photograph shows a delta wing model mounted for test in the 19-Foot Pressure Tunnel at Langley. Upper right - Ram-jet missile in 8 x 6-Foot Supersonic Tunnel at Lewis for air inlet study. Center right - F-84 Thunderjet mounted in 40 x 80-Foot Full-Scale Tunnel at Ames. Lower left - Research missile launched at Wallops Island. Lower right - NACA's research airplanes: X-1A, D-558-I, XF-92A, X-3 (center), X-5, D-558-II, X-4.



BOWLING NEWS

IRD-PARD BOWLING LEAGUE

Skyhooks moved up to lead the league this week with 8 wins and 4 losses and Wrecks jumped from fifth place to second. Harold Wikstrom rolled high scores for the men with a 147 game and 340 set. Top scores for the women were rolled by Judith Peters with a 123 game and Ethel Tully with a 308 set.

STANDINGS

Team	W	L	Avg.
Skyhooks	8	4	.667
Wrecks	9	6	.600
Juggernauts	8	7	.533
Pinhookers	6	6	.500
Terrorpins	6	6	.500
Jets	7	8	.467
Screwballs	7	8	.467
Goofballs	5	7	.417
New Leafers	4	8	.333

WEDNESDAY DUCKPIN LEAGUE

West Model won all three games to lead the league with a record of 48 wins and 15 losses. Rebel Bombers won all three to break the tie with West Machine 2 and take over second place with 40 wins and 23 losses. High games for the week were rolled by Russell Clickner with a 142 and Oneda Moore with 122.

STANDINGS

Team	W	L	Avg.
West Model	48	15	.762
Rebel Bombers	40	23	.635
West Machine 2	37	26	.587
Hotshots	33	30	.524
RIBS	29	34	.460
IAB	28	35	.444
Const. Eng.	27	36	.428
Alley Cats	26	37	.413
16-Foot	25	38	.397
West Machine 1	22	41	.349

MONDAY DUCKPIN LEAGUE

Vibrators won one game and Fabrication lost all three to end up in a two-way tie for second place with 35 wins and 22 losses. High scores for the week were rolled by Al Insley with a 136 game and 373 set and Vera Huckel with a 111 game and 316 set.

STANDINGS

Team	W	L	Avg.
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Vibrators	35	22	.614
Fabrication	35	22	.614
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Stankers	27	30	.474
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Structures	25	32	.439
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WANTED: Passengers from vicinity of Deer Park, Warwick to W.A. on 7 shift. Laband, 4626.

FOR SALE: 1948 Plymouth - 4 door. Ulmann, Warwick 8-0729.

FOR SALE: 2 bedroom house at 12 Draper Lane, Merry Point. Richards, Warwick 8-2713.



Dr. H. J. E. Reid (foreground), Laboratory Director, accompanied the Supervisor's Safety Committee on their monthly inspection tour of East Area facilities this week. The above picture was taken when Harry Hamilton (second from left) conducted the tour through Reproduction Section. Members of the Safety Committee are Clyde Hall (left), East Model Shop, and Nelson Daniel (right), Full Scale Tunnel. --Photo by Bill Taub

ADULT EDUCATION

The Adult Education Department at Hampton High School announces that a new section of Sewing will start on Monday night. This group is primarily for beginners and will be taught by Mrs. M. Bertram. A new section of Advanced Sewing, which will be taught by Mrs. James Kirkpatrick, will start on April 2.

Homemakers desiring to become members of the class may register at the Victoria Boulevard entrance to the high school or at the Training Office, 2256.

WANTED: Ride or driving combination from vicinity of Harpersville to E.A. on 8 shift. F. M. Smith, 2266.

FOR SALE: 1948 Plymouth with radio and heater - \$245. Sowers, H-6938.

WANTED: Passengers to Coca, Florida or vicinity March 11 and returning March 27. Henderson, War.-83334.

FOR RENT: Large room for 1 or 2 - kitchen privileges if desired. Mrs. Collier, 334 E. Pembroke, H-4765.

FOR SALE: 3 bedroom house on corner lot in Lakeside. Hagginbotham, Warwick 8-0309.

FOR SALE: Fender skirts for 1952, '53, or '54 Ford or Mercury - painted ivory - \$5. Williams, H-36336.

JUNIOR RIFLE CLUB

Current qualifications of the junior course prescribed by the National Rifle Association are as follows:

Pro-marksman - Ted Zepnikowski, Tom Monta, and Cliff Gentry; marksman - Foster Yates; marksman first class - Gary Burdette and Foster Yates; bar VII - Sullivan Donadio; expert - Girard Chambers.

Light rifle (under seven pounds) brassards issued by the American Academy of Arms: expert - Stephen Cook.

NACA MALE CHORUS

NACA Male Chorus members are reminded that the rehearsal on Wednesday, March 9 will be held in the Activities Building at 4:30 p.m.

Approximately twenty women have signed up for a mixed chorus and Dr. Frank Diederich, chorus director, stated that rehearsals for a mixed chorus would begin soon if a few more women indicated an interest. Women employees and wives of Laboratory staff members who are interested in joining the group should contact Marilyn Parr, Vibration and Flutter.

FOR SALE: Boxer pup. Selby, Warwick 8-5928.

FOR SALE: 3 bedroom home with electric stove and venetian blinds. Magnus, Hampton 3-3982.



NACA CELEBRATES 40TH ANNIVERSARY

The National Advisory Committee for Aeronautics yesterday celebrated the fortieth anniversary of its creation by law to "super-
vise and direct the scientific study of the problems of flight, with a view to their practical solution," and to "direct and conduct research and experiment in aeronautics."

The idea of an advisory committee for aeronautics was the dream of one man, Dr. Charles D. Walcott, secretary of the Smithsonian Institution and a member of the first Committee. Dr. Walcott spent several years trying to convince governmental officials of the need for such a group and finally the threat of World War I helped persuade the lawmakers of the country. A bill to create the Committee was finally approved by Congress as a rider on the Naval Appropriations Bill. On March 3, 1915, President Woodrow Wilson signed the bill and appointed the first Committee.

In the summer of 1916, Dr. Walcott consulted Army and Navy authorities on a proposal to establish a joint Army-Navy-NACA experimental field and proving ground for aircraft. Many sites were considered and a tract of land north of Hampton, Virginia, was finally selected as the location for a joint experimental field.

In 1917 construction was started to erect a laboratory at Langley Field. The first building, which now serves as the Administration Building of the Langley Laboratory, was completed in 1918 and the same year work was begun on the Atmospheric Wind Tunnel, the first building of the Langley Laboratory to be devoted exclusively to research. The Administration Building, the Atmospheric Wind Tunnel, and a shack which served as the engine laboratory were formally opened with appropriate exercises in June, 1920 and dedicated as the Langley Memorial Aeronautical Laboratory, in honor of Dr. Samuel Pierpont Langley, noted scientist whose aeronautical research in the nineteenth century was internationally known.

(Continued on page 2)

TRAFFIC VIOLATIONS ON INCREASE HERE

The number of traffic violations at Langley by Laboratory staff members has increased in the past few days and NACA drivers of Government and personal vehicles are asked to make a more determined effort to abide by Base traffic regulations.

Some of the violations include speeding, failure to halt at stop signs, and illegal parking.

In connection with the problem of parking, one of the more serious offenses concerns the parking of vehicles in such a way that entrances to buildings are blocked.

The blocking of building entrances is a serious breach of safety, especially since such illegal parking could result in a disaster in the event of fire, explosion, or other catastrophe requiring quick access by firefighters and other

(Continued on page 2)

Air Scoop, March 4, 1955
Vol. 14, Issue 9

CRUSADE FOR FREEDOM ENVELOPES AVAILABLE

Contribution envelopes and Freedom Scrolls have been made available to attendance clerks throughout the Laboratory for the convenience of staff members interested in participating in the annual Crusade for Freedom.

Donations received during the Crusade are used to support Radio Free Europe, a network of 29 powerful transmitters and relay stations in West Germany and Portugal. The network broadcasts news of the free world to freedom-loving people behind the Iron Curtain.

The Crusade is endorsed by President Eisenhower, who points out that Radio Free Europe "is performing an outstanding service in bringing truth, encouragement and hope" to the 70 million captive people behind the Iron Curtain, "helping to keep them strong-hearted, nationally proud and determined to win their own way back to freedom."

(Continued on page 2)



The above picture was taken at the first meeting of the National Advisory Committee for Aeronautics in the Office of the Secretary of War on April 23, 1915. Members of the Committee are seated (from left): Dr. William F. Durand, Dr. S. W. Stratton, Brig. Gen. George P. Scriven, chairman, Dr. Charles F. Marvin, and Dr. Michael I. Pupin. Standing: Holden C. Richardson, Dr. John F. Hayford, Capt. Mark L. Bristol, and Lieut. Col. Samuel Reber. Not shown in the picture were Dr. Joseph S. Ames, B. R. Newton, and Dr. Charles D. Walcott.

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.

40TH ANNIVERSARY

(Continued from page 1)

The expansion of the NACA has not been limited to Langley Field alone. The NACA now operates three large research centers located in Virginia, Ohio, and California, and two field stations in Virginia and California. The NACA Headquarters, which serves as the nerve center of the research activity of the NACA, is located in Washington, D. C.

The Ames Aeronautical Laboratory, Moffett Field, California, was founded in 1940 to concentrate on problems of high-speed aerodynamics. It was named for Dr. Joseph S. Ames, one of the first members of the NACA and its long-time chairman.

The Lewis Flight Propulsion Laboratory, located adjacent to the municipal airport at Cleveland, Ohio, was founded in 1942 and named in honor of Dr. George W. Lewis, NACA's Director of Aeronautical Research for nearly thirty years.

In addition to the three research centers, the NACA also operates the High-Speed Flight Station at Edwards, California, and the Pilotless Aircraft Research Station on Wallops Island, Virginia.

LIFE AT THE LABORATORY

Weighing in.

at seven pounds, six ounces on Thursday, February 10 was James Curtis, new son of Mary, formerly of Payroll Office, and Jim Parks, Pilotless Aircraft Research.

Dan Cupid.

scored a victory this week when Ann Quay, Induction Aerodynamics Computers, announced her engagement to Walter Gardner, of Hampton. The wedding will take place on April 16 in Charlotte, North Carolina.

The pay day.

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

Diaper derby.

Celebrating the arrival of a nine pound, three ounce son, Michael Franklyn, on Thursday, February 24 are Helen, formerly of Landing Loads, and Thomas Bridgeland, Pilotless Aircraft Research.

The Peninsula Audio.

group will meet on Tuesday, March 8 at 8 p.m. at Radio Station WACH. All members are urged to attend.

Midnight serenader.

Announcing the arrival of an eight pound, eight ounce son, Bradley Stephens, on Thursday, February 24 is Ralph Byers, Instrument Research Division.

Word.

has just reached the Laboratory that Jackie Stearn, formerly of East Library, became the mother of a son on Saturday, February 26.

FREEDOM CRUSADE

(Continued from page 1)

The President announced that he was "particularly pleased with the outstanding cooperation of the Federal departments and armed services" in the 1954 Crusade. The Laboratory, which collected \$719 last year, is taking part in the Crusade in cooperation with Robert C. Cutler, Newport News postmaster, Peninsula area chairman.

Employees who are interested in obtaining an envelope may request one from their attendance clerks. The envelopes containing the donation may be mailed individually by the contributor or returned to the attendance clerks.

Envelopes returned to attendance clerks with contributions will be collected Friday, March 11, by Ruth Verell, Air Scoop, who is coordinating the Laboratory's Crusade for Freedom activities.

Imprinted on the Crusade for Freedom envelopes is the following address: "Crusade for Freedom, c/o

Postmaster." Since the Newport News postmaster is heading up the local campaign, staff members who mail their contributions individually may, if they wish, add "Newport News, Virginia" to the address. A stamp is not required for envelopes returned with a contribution to the attendance clerks.

Attendance clerks also have available Freedom Scrolls, which provide a space for employee signatures and the amount of individual contributions alongside the signature. It is not a requirement that the scrolls be signed and, if they are signed, it is not necessary that the amount of contribution, if any, be recorded on the scroll.

FOR SALE: 24-foot magnesium extension ladder with non-slip feet. Furlong, Newport News 2-3813.

WANTED: Passengers or alternate drivers from Phoebus to E.A. on 8 shift. Monta, 2208.

WANTED: Chihuahua pup. Overton, Hampton 3-5084 after 5.

TRAFFIC VIOLATIONS

(Continued from page 1)

emergency personnel.

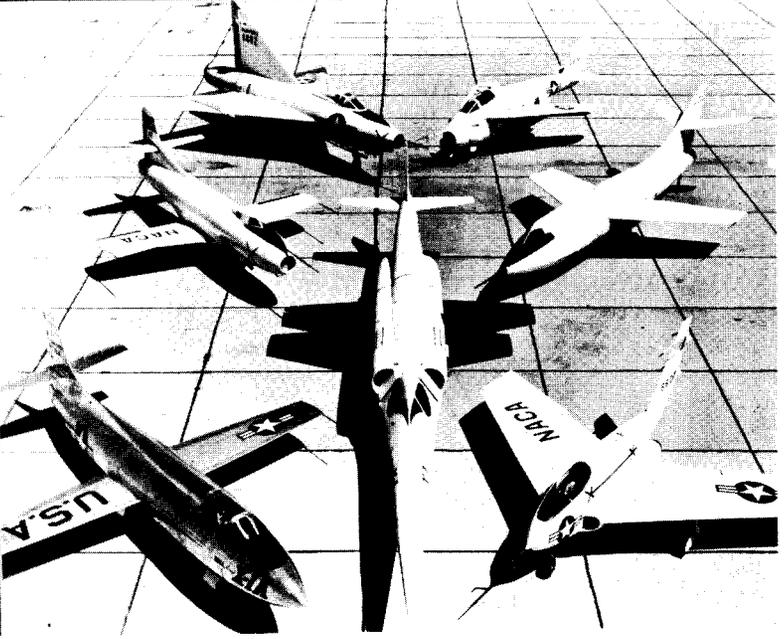
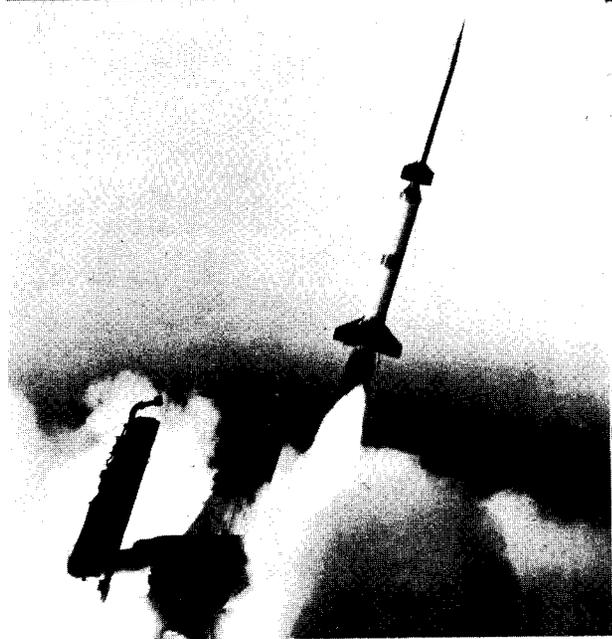
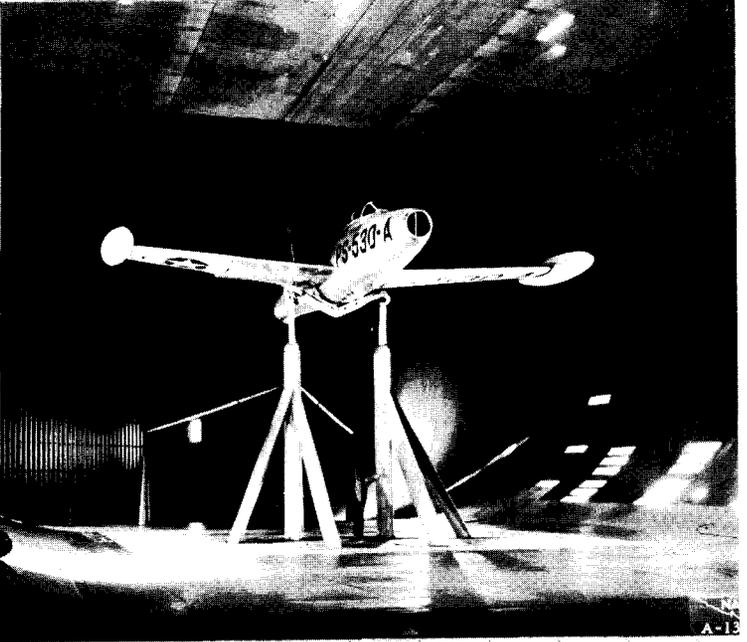
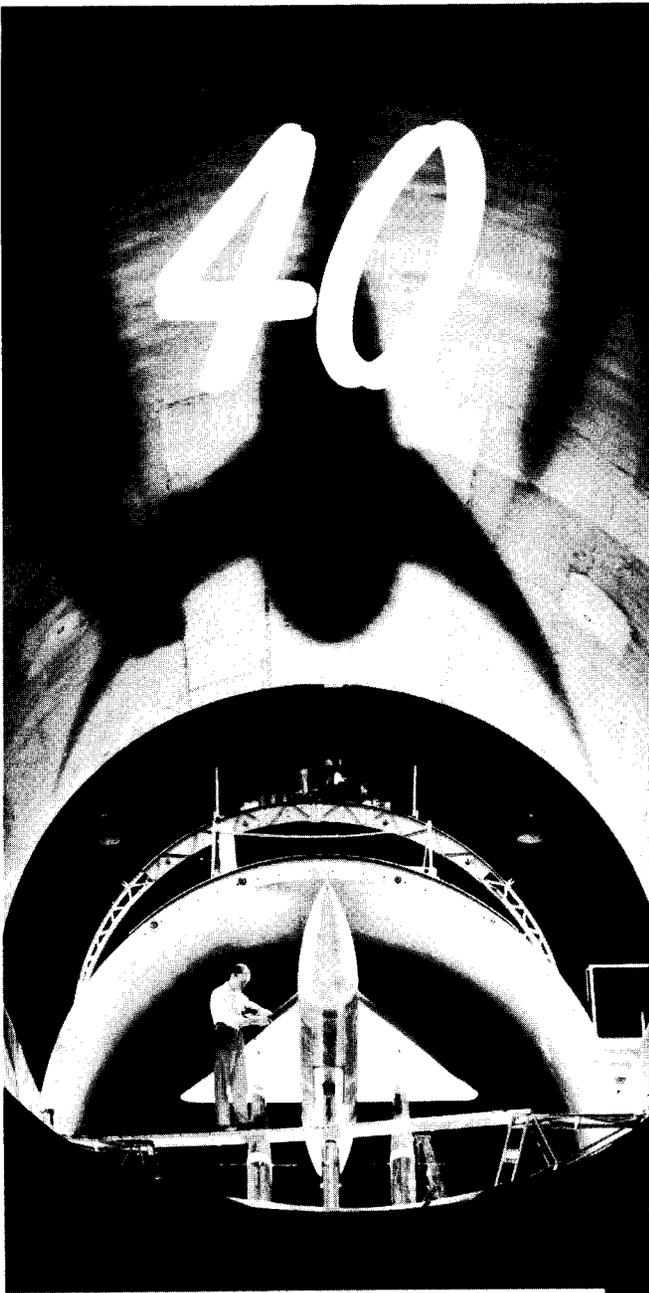
"No parking" areas are clearly marked and Laboratory employees are requested to honor these and other traffic signs on the Base. The speed limit at Langley is 20 miles per hour, unless otherwise indicated.

WANTED: Alternate driver from LaSalle Ave. - Wythe area to E.A. on 8 shift. Jones, 2381.

FOR SALE: Refrigerator. Gills, Hampton 3-6852.

PHOTO CUT LINE

Yesterday the NACA celebrated its fortieth anniversary. Shown on page three is a photo montage representing the various research activities operated by the NACA. The upper left photograph shows a delta wing model mounted for test in the 19-Foot Pressure Tunnel at Langley. Upper right - Ram-jet missile in 8 x 6-Foot Supersonic Tunnel at Lewis for air inlet study. Center right - F-84 Thunderjet mounted in 40 x 80-Foot Full-Scale Tunnel at Ames. Lower left - Research missile launched at Wallops Island. Lower right - NACA's research airplanes: X-1A, D-558-I, XF-92A, X-3 (center), X-5, D-558-II, X-4.



BOWLING NEWS

IRD-PARD BOWLING LEAGUE

Skyhooks moved up to lead the league this week with 8 wins and 4 losses and Wrecks jumped from fifth place to second. Harold Wikstrom rolled high scores for the men with a 147 game and 340 set. Top scores for the women were rolled by Judith Peters with a 123 game and Ethel Tully with a 308 set.

STANDINGS

Team	W	L	Avg.
Skyhooks	8	4	.667
Wrecks	9	6	.600
Juggernauts	8	7	.533
Pinhookers	6	6	.500
Terrorpins	6	6	.500
Jets	7	8	.467
Screwballs	7	8	.467
Goofballs	5	7	.417
New Leafers	4	8	.333

WEDNESDAY DUCKPIN LEAGUE

West Model won all three games to lead the league with a record of 48 wins and 15 losses. Rebel Bombers won all three to break the tie with West Machine 2 and take over second place with 40 wins and 23 losses. High games for the week were rolled by Russell Clickner with a 142 and Oneda Moore with 122.

STANDINGS

Team	W	L	Avg.
West Model	48	15	.762
Rebel Bombers	40	23	.635
West Machine 2	37	26	.587
Hotshots	33	30	.524
RIBS	29	34	.460
IAB	28	35	.444
Const. Eng.	27	36	.428
Alley Cats	26	37	.413
16-Foot	25	38	.397
West Machine 1	22	41	.349

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FOR SALE: 3 bedroom home with electric stove and venetian blinds. Magnus, Hampton 3-3982.



\$3,016 DONATED TO CANCER FUND

William J. Whelan Jr., Chairman of the Laboratory's United Fund Committee, announced that a total of \$3,016.21 was presented this week to the Peninsula Chapter of the American Cancer Society.

The contributions were taken from the \$33,028 pledged by staff members during the first United Fund drive last November.

Hartley A. Soule, a member of the United Fund Committee, presented the donation to Thomas N. Downing, Chief of Industrial and Government Division of the Peninsula Chapter of the American Cancer Society, in informal ceremonies held last Friday.

In expressing his thanks for the generous donation, Downing pointed out that the Laboratory's contributions this year were great-

(Continued on page 3)

Air Scoop, April 15, 1955
Vol. 14, Issue 15



In informal ceremonies held last week, Hartley A. Soule (right) presented a check for \$3,016.21 to Thomas N. Downing, Chief of Industrial and Government Division of the Peninsula Chapter of the American Cancer Society

INSURANCE PREMIUM DEADLINE APRIL 20

Some members of the NACA Group Life Insurance Plan have not paid their premiums for the April through June quarter and they are reminded that they have only until the close of business Wednesday, April 20, to make payment.

Second and final notices were distributed with the April 7 pay checks and, since the next payday falls one day after the April 20 deadline, today's Air Scoop notice will be the last reminder to those who have not paid.

Members of the plan are urged not to put off paying until the last minute. Those who permit the insurance to lapse will be required to pass a physical examination, at their own expense, to renew their membership.

Announcement of the annual dividend is expected to be made soon and those who remain in the NACA program will probably start reaping benefits beginning with the next quarter.

SEVEN RECEIVE SERVICE PINS

The Laboratory's sixth meritorious service emblem presentation was held last Tuesday in the Activities Building in recognition of staff members who have received or become eligible for service pins since the last ceremony in December, 1953.

Dr. H. J. E. Reid, Director, presented emblems to seven employees, including one 20-year employee, three with 25 years of service and three who have reached the 30-year mark.

Those receiving 30-year diamond-studded emblems were Lucy W. Bainbridge, Head of the Stenographic and Clerical Unit of the General Services Division; Charles L. Shobe, Head of Heat Treating and Orifice Installation, and Ellis R. Burbank, Heat Treating and Orifice Installation.

Twenty-five year emerald-studded pins were presented to John R. Dawson, Head of Tank 2 and Assistant Chief of Hydrodynamics Division; Edward J. Fay, Instrument Service Section, and Ray W. Hooker, Assistant Chief of Engineering Service Division.

Ben Barber, Foundry, received a 20-year ruby-studded pin.

Lucy Bainbridge, who became the second woman at the Laboratory to reach the 30-year mark, was born in Newport News. She graduated from Newport News High

(Continued on page 2)

NACA CELEBRATES 40TH ANNIVERSARY

At the 40th anniversary celebration of the NACA held at a dinner in the Great Hall of the Smithsonian last night, Jerome C. Hunsaker, NACA chairman, was awarded the Langley Gold Medal of the Smithsonian Institution. The presentation was made by the Honorable Earl Warren, Chief Justice of the United States, acting in his capacity as Chancellor of the Board of Regents of the Smithsonian.

Award of the Langley Medal as stated in the citation, was "in re-

(Continued on page 3)

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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

The stork.

has had a busy schedule to meet. One of his stops was made at the Paul Lentz household on Thursday, April 7 and the new arrival is a son. The father works in Mechanical Maintenance.

Midnight serenader.

Announcing the birth of a son on Thursday, April 7 are Rowena, formerly of 8-Foot Transonic Tunnel, and John Becker, Chief of Compressibility Research Division.

Wedding bells.

will ring tomorrow when Marilyn Byrd, Editorial Office, and Harry Heyson, Full Scale Tunnel, take their final vows in Columbia, South Carolina. Nell Hemphill, East Library, will be maid-of-honor, and John Ward, Flight, will serve as an usher.

Weighing in.

at six pounds, eight ounces on Sunday, April 3 was Kenneth Lee, new son of Odell Morris, 4-Foot Supersonic Tunnel.

Surprising.

her co-workers over the week-end was Betsy Warner, Instrument Research. Betsy was married on Friday, April 8 to John L. Lee, Langley Field. The wedding took place at the Denbigh Baptist Church.

Diaper Line.

Celebrating the arrival of a son, Paul Vincent, on Friday, April 8 are Fern, formerly of 16-Foot Transonic Tunnel, and John Gapcynski, 4-Foot Supersonic Tunnel.

The pay day.

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

Passing out cigars.

and candy is Russell Greenwood, Instrument Research. He became the father of a daughter, Pamela Jean, on Monday, April 4.

Congratulations.

to Warren J. North, Aeronautical Research Scientist and Research Pilot at Lewis Laboratory, upon receiving a fellowship in flight test engineering from the Institute of the Aeronautical Sciences. The fellowships permit two years of graduate study at Princeton University and are awarded to a college student and a government scientist.

WANTED: Alternate drivers from Southampton to E.A. on 8 shift. Helen Mulcahy, 2322.

LOST: Horn rimmed glasses in red leather case. Youngblood, 4611.

WANTED: Ride to Philadelphia Friday April 22 and returning April 24. Mrs. Githens, H-35324.

WANTED: Ride from Stuart Gardens to E.A. on 8 shift. C. Hill, 2268.

WANTED: 2 alternate drivers from Stuart Gardens - Christopher Shores area to W.A. on 8 shift. Thibodaux, 4526.

FOR SALE: 22 Marlin 39-A rifle - \$46. H. R. Henderson, W-73334.

FOR SALE: Simmons hide-a-bed, also waterfront lot at Buckroe. Butler, Newport News 2-2150 after 5 p.m.

WANTED: Ride or driving combination from Westhampton to W.A. on 8 shift. McLaughlin, 4510.

WANTED: Alternate drivers from Warwick High School to W.A. on 7:30 Shift. Henley, 4611.

WANTED: Ride from 1317 Old Buckroe Rd., Fördham to E.A. on 8 shift. Georgia Cherry, 2322.

EMBLEM CEREMONY

(Continued from page 1)

School and attended International Business College, Newport News. She entered on duty at the Laboratory on February 24, 1925 as a typist. On September 1, 1942 she was appointed head of the Stenographic and Clerical Unit.

Shobe hails from Hartmansville, West Virginia. Before joining the Committee he served with the U.S. Army from 1920 to 1921 and from 1922 to 1925. He entered on duty at the Laboratory on February 16, 1925 as an airplane engine mechanic's helper and was assigned to Flight Operations. Since that time he has been assigned to the Sheetmetal Shop, Instrument Service Shop, and West Machine Shop.

Burbank is a native of Hampton. He attended Hampton High School and joined the Laboratory staff on April 1, 1925. During his thirty years with the Committee he has worked in Flight Operations, Propeller Research Tunnel, Induction Aerodynamics, and Heat Treating.

Dawson was born in Monroe City, Missouri. He attended the University of Texas and received his B.S. degree in Civil Engineering in 1929 from Rice Institute. He joined the Committee on April 16, 1930 as a junior structural engineer. On August 1, 1941 he was appointed Head of Tank 2 and became Assistant Chief of Hydrodynamics Division on August 22, 1946.

Fay claims Portsmouth as his birthplace. He graduated from St. Vincent's Academy in Newport News and entered the Apprentice School of the Newport News Shipbuilding and Dry Dock Company in 1911, where he worked as a machinist and toolmaker until 1929. He began his service with the Committee on January 2, 1930 as a senior machinist.

Hooker was born in Boswell, Indiana. He received his B.S. degree in Mechanical Engineering from Purdue University and joined the Laboratory staff on February 10, 1930 as a junior aeronautical engineer. During his twenty-five years of service he has served as Assistant Chief of Pilotless Aircraft Research Division, Chief of Construction and Electrical Engineering Branch and Assistant Chief of Engineering Service.

Barber was born in Elizabeth City County. Before joining the NACA he worked at the Newport News Shipbuilding and Dry Dock Company and for the Quartermasters Department at Langley Field. He first entered on duty April 9, 1931. He had several breaks in service and celebrated his twentieth anniversary this year.

BOWLING NEWS

MONDAY DUCKPIN LEAGUE

No changes in standings took place in the league this week and East Machine still leads with a record of 53 wins and 19 losses. High scores for the night were rolled by Harold Crane with a 152 game, Al Hall with a 382 set, Lucille Smith with a 121 game and Helen Dupere with a 310 set.

STANDINGS

Team	W	L	Avg.
East Machine	53	19	.736
Vibrators	47	25	.653
Fabricators	42	30	.583
PARDners	39	33	.542
Stankers	36	36	.500
Flight	37	38	.493
Structures	32	40	.444
Mech. Maint.	20	52	.278
Vinors	18	54	.250

MONDAY SPORTS BOWL LEAGUE

Gas Dynamics II won all three games to move back into first place with 25 wins and 14 losses and Free-Flight Flyers lost three to drop to second. High scores were rolled by Henry Lee with a 113 game, Jim Jones with a 312 set, and Gay Gilbert with a 119 game and 298 set.

STANDINGS

Team	W	L	Avg.
Gas Dynamics II	25	14	.641
Free-Flight	23	16	.590
Scotch and Tapers	23	16	.590
Gas Dynamics I	22	17	.564
Loads	13	26	.333
No Names	11	28	.282

WEDNESDAY DUCKPIN LEAGUE

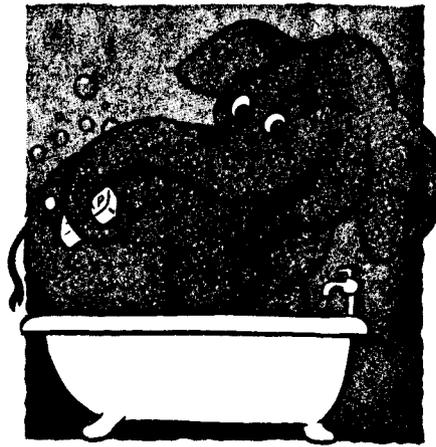
Rebel Bombers and West Machine 2 won three games each to remain tied for second place with 48 wins and 33 losses. West Model leads the league with 56 wins and 25 losses. Robert Keller rolled top scores for the men with a 139 game and 361 set and Oneda Moore led the women with a 124 game and 357 set.

STANDINGS

Team	W	L	Avg.
West Model	56	25	.691
Rebel Bombers	48	33	.593
West Machine 2	48	33	.593
Hotshots	45	36	.556
16-Foot	37	44	.457
RIBS	37	44	.457
Alley Cats	36	45	.444
Const. Eng.	34	47	.420
IAB	34	37	.420
West Machine 1	30	51	.370

TENPIN LEAGUE

Headpins still lead the league with 56 wins and 25 losses but Flight trails in second place by only a half game. High scores for the men were rolled by Al Eichmeier with a 242 game and 597 set. Taking top scoring honors for the members of the fairer sex was Mary Tysinger with a 185 game and 495



SKIN IRRITATIONS

A clean skin helps prevent irritation but use only a mild soap or cleanser — no strong solvents or harsh soaps.

Use rubber gloves and other protective equipment provided. Change clothing before it becomes saturated with solvents or chemicals that might cause skin irritation.

If skin irritations persist get medical attention.

JUNIOR RIFLE CLUB

NRA ratings earned by the Tidewater Musketeers are as follows: senior sharpshooter - Jack Gibson, bar II - Gary Burdett, and bar III - Boise Brinkley.

A Smallarms Firing School, for both juniors and seniors, will start tonight in the indoor range. All members will be required to show they are using the correct sight picture on the winter sighting device. They will then go to the bench rest and be instructed in the proper placement of the left arm, correct breathing, trigger release, how to adjust the rear sight and correct use of the sling. They will also be required to show they understand the arms and ammunition they are using, the range procedure and the safety rules.

FOR SALE: 5 window screens size 27 3/4" x 38 1/2", and 12 screens size 29 3/4" x 59 1/2", all for \$15. Copp, Hampton 4878.

set.

STANDINGS

Team	W	L	Avg.
Headpins	56	25	.691
Flight	55.5	25.5	.685
W. End Pharmacy	51	30	.630
Hudson Hornets	47	34	.543
Spare Oops	44	37	.543
Fivers	43.5	37.5	.537
Rockets	42	39	.519
Eagles	41	40	.506
Hi-g's	38.5	42.5	.475
City Motors, Inc	31	50	.383
Pinbusters	30	51	.370
Cost Office	6.5	74.5	.080

APPRENTICE EXAM OPENED

The NACA Board of U.S. Civil Service Examiners announces the opening of an examination for Apprentices, first year, WB-2, \$2662.40 per annum.

Competitors will be required to pass a written test of aptitude for apprenticeship training. The written test will be given at the NACA on Saturday, May 14. Applicants will be notified of the exact time and place.

Applications must be filed with the Executive Secretary, Board of U.S. Civil Service Examiners, NACA, Langley Field, not later than May 3.

CANCER FUND

(Continued from page 1)

er than the \$2,900 collected throughout the Peninsula during the entire drive last year. He stated that the example set by Laboratory staff members will be an inspiration to the rest of the Peninsula in meeting the goal of \$15,000, which has been set by the Peninsula Chapter.

Whelan pointed out that ten percent of the actual amount allocated to the Cancer Society and other organizations benefiting from the United Fund is being withheld pending collection of pledges due between now and the end of the United Fund fiscal year.

40TH ANNIVERSARY

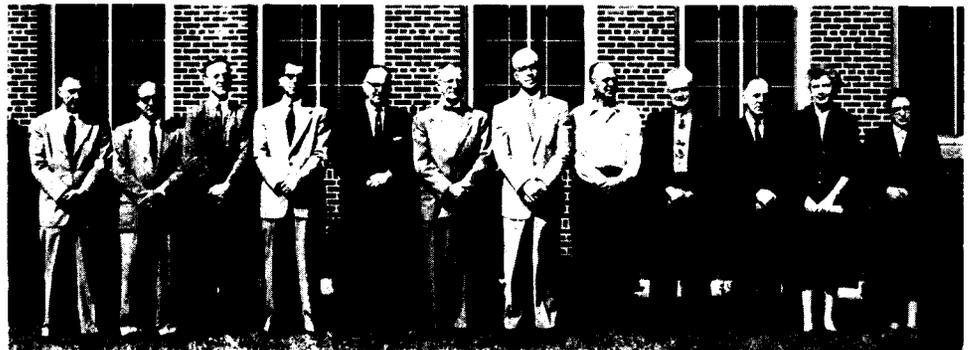
(Continued from page 1)

cognition of your unique and superlatively important contributions to aeronautics as a distinguished designer of aircraft, as the creator of a great center for instruction in aeronautical engineering, and as the scientific genius under whose leadership the present-day National Advisory Committee for Aeronautics has become the world's greatest scientific aeronautic research organization."

The presentation climaxed a quiet birthday observance by the NACA. In the afternoon, past members met with the present 17-man Committee at NACA Headquarters. They were guests of honor at the dinner at the Smithsonian, at which James H. Doolittle, a member of the NACA since 1948, was toastmaster.

Dr. H. J. E. Reid, Laboratory Director, attended the ceremonies along with a group of Langley staff members.

FOR SALE: 8 full window bronze wire screens to fit windows size 28" x 38", 31" x 55", 40" x 55"; also Kermore deluxe washer with timer. Tubbs, Hampton 6193.



Upper left - Employees who received 30-year service pins at ceremonies held Tuesday are (from left): Charles L. Shobe, Lucy W. Bainbridge, and Ellis R. Burbank. Upper right - Receiving 25-year pins were (from left): Edward J. Fay, John R. Dawson, and Ray W. Hooker. Lower left - Ben Barber was awarded a 20-year pin. Lower right - Em-

ployees attending the ceremonies who have been at the Laboratory 30 years or more are (from left): Howard H. Morris, Charles L. Shobe, Charles C. Decker, Clarence B. Kline, Harold R. Turner, Robert E. Mixson, Dr. H. J. E. Reid, William E. Trall, Ellis R. Burbank, Francis J. Howard, Ruth T. Belle, and Lucy W. Bainbridge.

ADULT EDUCATION

The Adult Education Department at Hampton High School announces that Electronics III (Practical Electronics) will start on May 2.

The course will run for a period of 20 hours and is a continuation of Electronics I and II. The prerequisite is the completion of Electronics I and II or equivalent knowledge of electronic theory.

It is important that those interested register on or before April 25.

FOR SALE: 1951 Chevrolet. R. B. Sasser, H-37540.

FOR SALE: 1953 Morris Minor 2-door sedan. Von Stein, L.F. 7126 after 5 p.m.

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

I.A.S. SECTION

The Hampton Roads Section of the I.A.S. will tour the Ft. Eustis Aviation School and Heliport tomorrow from 8:30 a.m. until noon.

A limited number of guests may attend and members wishing to bring guests are requested to contact John Eggleston, Flight Research, or Warwick 8-4529.

SOFTBALL NOTICE

An organizational meeting of the Softball League will be held on Tuesday, April 19 at 7:30 p.m. at the Activities Building. All team managers are urged to be present.

FOR SALE: Girl's 20-inch bicycle. Winnie Askew, H-8440.

FOR SALE: Oval mahogany Duncan Phye coffee table - \$10. Mueller, Hampton 3-8172.

ASSOCIATION THANKS HELPERS AT PLAY

Beulah Russell, Chairman of the Children's Committee, would like to thank the following persons for their help at the children's play last week: Pat Lackey, West Machine Shop; Bob Hunt, Photo Lab, Elizabeth Kittrell, 19-Foot Pressure Tunnel, and Addis Moore, West Machine Shop.

The door prizes were won by Mrs. Thomas Kelly and Mrs. Peyton Hutchens Jr.

FOR SALE: Storm and screen door size 2'8" x 61 8". Price, H-5736.

FOR SALE: Motorola UHF converter - \$15. Williams, W-80895.

FOR SALE: 5 room bungalow in Stuart Gardens, Hogan, NN-25010.



CEREBRAL PALSY RECEIVES \$2,072

William J. Whelan Jr., Chairman of the Laboratory's United Fund Committee, announced that a total of \$2,072.49 was presented recently to the Peninsula Cerebral Palsy Fund. The pledges this year represented quite a sizable increase over the \$108 donated to the fund last year by Laboratory staff members.

The contributions were taken from the \$33,028 pledged by staff members during the first United Fund drive last November.

Edward A. Howe, treasurer of the United Fund Committee, presented the donation recently to William S. Parker, Chairman of the Cerebral Palsy campaign.

Whelan pointed out that ten percent of the actual amount allocated to the Cerebral Palsy Fund and other organizations benefiting from the United Fund is being withheld pending collection of pledges due between now and the end of the United Fund fiscal year.

DANCE TICKETS NOW AVAILABLE

Laboratory socialites are reminded that the Activities Association will sponsor a spring dance, featuring Hal McIntyre and his orchestra, on Friday, May 6 at the Activities Building.

The dance will be informal and music will be furnished from 9 p.m. 'til 1 a.m. Tickets are three dollars a couple and only a limited number will be available. Tickets may be obtained from district representatives up to the close of business today. Tickets left over will be put on general sale Monday in the East Area at the Air Scoop Office and in the West Area at the Activities Building.

Table reservations may be made by calling the Activities Building, telephone 4583. No reservations will be half after 10 p.m.

Bruce Amole stated that, in the interest of safety, persons will not be allowed to move tables from their original locations during the dance.

RETURNED DONATION TOPIC OF STUDY BY UNITED FUND GROUP

Contributions totalling \$4,163.56, which had been presented by the United Fund to the National Foundation for Infantile Paralysis, have been returned to the Laboratory.

A check in that amount was received Monday by Dr. H. J. E. Reid, Director, along with correspondence from Dr. Jack D. Fisher, chairman of the Hampton March of Dimes Chapter, announcing that, after careful consideration, the National Foundation had decided not to accept the contributions to the March of Dimes by employees of the Laboratory.

In general, Dr. Fisher's letter pointed out that it was not in keeping with the policy of the National Foundation to accept contributions collected during a United Fund drive and explained the philosophy which led to the adoption of such a policy.

(Continued on page 4)

CAFETERIAS BEGIN NEW MENU FEATURE

The Laboratory's East and West cafeterias have inaugurated a special food feature which is intended to result in a savings to staff members who patronize the two facilities.

Each day and until further notice, the menu will include a 25-cent entree - one which normally sells for 35 cents on days other than when it is being featured as a special.

The 25-cent entree was decided upon in the interest of improving service by offering a daily special instead of the once-a-week Monday special which has been discontinued.

In this connection, apologies appear to be in order for a failure to give notification of the discontinuance of the Monday special. The

(Continued on page 4)



Dr. Jerome C. Hunsaker (left), NACA Chairman, receives the Langley Gold Medal of the Smithsonian Institution from Honorable Earl Warren, Chief Justice of the United States, acting in his capacity as Chancellor of the Board of Regents of the Smithsonian. Dr. Hunsaker was presented the medal at the NACA's 40th anniversary celebration held April 14.

Air Scoop, April 29, 1955
Vol. 14, Issue 17

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.

the arrival of a daughter on Saturday, April 23 are Isabelle, formerly of Stability Research, and Jack Queijo, Stability Tunnel.

Announcing.

the arrival of a new daughter on Wednesday, April 20 are Mary, formerly of Structures Research, and John Houbolt, Dynamic Loads Division Office.

Word.

has just reached the Laboratory that Eleanor Cowherd, formerly of Full Scale Tunnel, became the mother of a daughter on Saturday, April 16.

Music lovers.

are reminded that the district finals for the James A. Bland music scholarships, sponsored by the Lions Clubs of Virginia, will be held tomorrow at 4 o'clock over WVEC-TV. Joe Shortal, Chief of Pilotless Aircraft Research Division, is chairman of the Tidewater district. Two hundred musicians, including children of several Laboratory employees, participated in the zone eliminations and nine reached the district finals. Winners will compete in the State contest which will be held at a later date in Roanoke.

Diaper line.

Passing out cigars and candy is Chris Kraft, Flight Research. He became the father of a daughter on Friday, April 22.

Midnight serenader.

Walking the floor nights is Melvin Watkins, Full Scale Tunnel. He became the father of a daughter on Friday, April 8.

The pay day.

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

The stork.

seems to be partial to girls this week. He stopped at the James T. Matthews household on Wednesday, April 20 and left a new heiress. The father works in Flight Research.

Quite proud.

over the arrival of a new son on Sunday, April 24 is Raphael S. Lowe, Pipefitting.

Night Howl.

Another proud father who is celebrating the arrival of a daughter on Wednesday, April 20 is Robert J. Tapscott, Flight Research.

The Cavalier Toastmasters.

Club of Hampton now has openings for a few new members. A basic training course is available for those with no previous speaking experience and experienced speakers have unlimited opportunity to increase their speech delivery and poise. Meetings are held twice a month and further information may be obtained from Joseph Boyle, East Model, Hampton 3-3400.

Last Sunday.

a number of organizations and neighboring areas started observing Daylight Saving Time, including the NACA Headquarters in Washington. Laboratory employees planning to travel by commercial facilities during the summer months are reminded to ascertain whether the schedule operates on Standard or Daylight Time. All local trains and bus lines will continue to operate on Standard Time. The Washington and Baltimore boats will observe Daylight Saving Time and the arrival and departure times of

AUTO INSURANCE LAWS AMENDED

Vehicle owners are reminded that the Virginia Motor Vehicle Safety Responsibility Act has been amended, effective next July 1, to provide that a person involved in an accident on or after July 1, 1955 must furnish evidence that an automobile liability insurance policy in at least the amounts of \$10,000 for injury or death of one person, \$20,000 for injury or death of two or more persons, and \$1,000 for damage to property was in effect at the time of the accident, or deposit security or obtain releases from all persons damaged or injured.

A policy in the amounts of \$5,000, \$10,000, and \$1,000 is satisfactory until July 1 insofar as certain present requirements of the State law are concerned. In order to comply with the new State law, those who renew their policy or obtain a new policy before July 1, which policy will normally expire on a date after July 1, should make sure that the policy provides at least minimum prescribed limits; or they should have the policy amended effective July 1 to provide at least the minimum requirements.

The insurance requirements for operation of private motor vehicles on the Base are \$5,000 coverage for injury or death of one person; \$10,000 coverage for injury or death of two or more persons, and \$5,000 for damage to property.

WANTED: To join driving combination from Pine Grove Court to W.A. on 7:30 shift. Church, Hampton 3-6934.

FOR SALE: Underwood typewriter - \$40. Weade, Warwick 8-5083.

FOR SALE: 1952 two-tone Ford Victoria with new tires. \$1300. Barbara Burbank, Hampton 3-9263.

FOR SALE: Piano - \$100. Hancock, Warwick 8-1670 after 4 p.m.

FOUND: Set of keys in Full Scale Tunnel. Call 2231.

airlines will be given in the local time as observed by each city whether Daylight Saving or Standard Time.

For example, the departure time for an airplane leaving Washington may be given as 10:15 Daylight Saving Time and the arrival time in Newport News would be listed as 10:06 Standard Time.

Word.

reached the Laboratory this week that Charles Taylor, formerly of Instrument Research, became the father of a son recently.

BOWLING NEWS

WEDNESDAY DUCKPIN LEAGUE

The only change in standings this week is a three-way tie for sixth place among 16-Foot, IAB, and Alley Cats. Paul Sandefur rolled high scores with a 134 game and 345 set. Leading the members of the fairer sex were Anne Wisecarver with a 115 game and Oneda Moore with a 300 set.

STANDINGS

Team	W	L	Avg.
West Model	59	28	.678
West Machine 2	54	33	.621
Hotshots	51	36	.586
Rebel Bombers	49	38	.563
RIBS	40	47	.460
16-Foot	38	49	.437
IAB	38	49	.437
Alley Cats	38	49	.437
Const. Eng.	34	53	.391
West Machine 1	34	53	.391

MONDAY SPORTS BOWL LEAGUE

Gas Dynamics I leads the league by only a one-game margin and Gas Dynamics II and Scotch and Tapers are tied for second with a record of 26 wins and 19 losses. Free-Flight Flyers dropped to fourth place. Top scores for the men were rolled by Henry Lee with a 145 game and 371 set. Leading the women were Faye Wilkes with a 110 game and Frances Hill with a 277 set.

STANDINGS

Team	W	L	Avg.
Gas Dynamics I	27	18	.600
Gas Dynamics II	26	19	.578
Scotch and Tapers	26	19	.578
Free-Flight	25	20	.556
Loads	16	29	.400
No Names	15	30	.333



Taking honors in the Virginia Division Junior National Championship last Saturday were (from left): Walter Orr who won the high individual medal, Betty Morris who took top honors for the girls, and Larry Cook who placed fifth out of a field of 71 contestants.

JUNIOR RIFLE CLUB

The Tidewater Musketeers attended the Virginia Division of the Junior National Rifle Championships conducted by the Lafayette Gun Club on their indoor range at Dare last Saturday. Walter Orr won the high individual medal with 98 prone and 93 standing, 191 x 200 points; Betty Morris was the high girl shooter with 171, and Larry Cook placed fifth with 182 out of a field of 71 contestants.

The West Point team came in first with 718 x 800, the Arlington Juniors were second with 715 and the Tidewater Musketeers third with 710 out of a field of thirteen teams firing. Only eight points separated the three top teams. A direct hit scored ten points and a single "snow bird", which is a shot outside the five-ring, decided the fate of each team.

WANTED: Ride or to join driving combination from Briarfield Rd. to W.A. on 7:30 shift. Helen Tankersley, 4687.

WANTED: Ride or to join driving combination from 321 Wilton Ave., Buckroe Beach to W.A. on 8 shift. Huggett, Hampton 36387 or 4687.

WANTED: Alternate drivers from vicinity of Greenwood Farms to W.A. on 8 shift. Colvin, 4406.

FOR SALE: Screen door size 36" x 81", tension screens 32" x 54", 32" x 42", 28" x 54", 28" x 42" and 24" x 54". Evens, Warwick 8-0483.

WANTED: Ride from Marshall St., Hampton to E.A. on 8 shift. Elizabeth Avis, 2313.

SPEBSQSA PRESENTS FESTIVAL OF HARMONY

The Hampton Roads Chapter of the Society for the Preservation and Encouragement of Barber Shop Quartet Singing in America will present its second annual Festival of Harmony at Warwick High School on Saturday, May 7 at 8 p.m.

Laboratory employees who are members of the chorus are: Lee Ramsey, Instrument Construction; Karry Pratt, Loads; John McFall, PARD, and Ira Ramsey, Dynamic Model Engineering.

Featured performers will be the "Play-Tonics", present Middle-Atlantic District Champions from Teaneck, New Jersey, and past international semi-finalists. Other starring quartets include the Gem-Tones of College Park, Maryland and the local "Roadsmen".

The Hampton Roads chorus, under the direction of Charles E. Simons, will be showing off their newly acquired uniforms. Rounding out the program will be an additional comedy quartet from the local chapter and two quartets from Colonial Heights.

Admission will be one dollar for adults and fifty cents for students and tickets may be obtained from chorus members.

NACA MALE CHORUS NEEDS ACCOMPANIST

Dr. Frank Diederich, director of the NACA Male Chorus, has announced that the chorus needs the services of an accompanist for its rehearsals on Wednesday afternoons after work and its occasional performances. Any pianist who is interested in this position is asked to contact Dr. Diederich, 4527.

Arrangements have been made for the chorus to perform for the Junior Woman's Club of Hampton on May 14 and for the Lady Lions of Newport News on May 21.

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.

No job is so big or so small or so urgent that it can't be done safely.

He hears but half who hears one party only. --Aeschylus

He who is the most slow in making a promise is the most faithful in the performance of it. --Rousseau

Prosperity makes some friends and many enemies. --Vauvenargues

MAY EXTEND TERM OF BOARD MEMBER

A Rating Board of Review was established at the Laboratory in 1949, in accordance with Civil Service Commission regulations, to consider and pass upon the merits of performance ratings given the employees. This Board is composed of three members and an alternate member is provided for each principal member. A department member, T. Melvin Butler, and his alternate, S. Walter Hixon Jr., have been designated by the head of the agency; an employee member and his alternate have been designated by election of the Laboratory employees, and a chairman and his alternate are designated by the Civil Service Commission.

The employee member and his alternate, John A. Schaaf and Thomas R. McGrath, respectively, were elected by Laboratory employees for a two-year term. Schaaf died February 26, 1954, and the Commission approved McGrath's appointment as principal member for the remainder of the term, which expires June 30.

As no meetings of this Board have been held since its establishment, it is proposed that McGrath be recommended to represent the Laboratory employees for another two-year term. However, before the Commission can approve this recommendation, it must have on record that no objections to this proposal have been made by any Laboratory employee. Therefore, employees are advised that they have the right to file objections to the extension of McGrath's two-year term. Objections with reasons for any objections should be filed within one week from today to the Regional Director, Third U.S. Civil Service Region, Customhouse, Second and Chestnut Streets, Philadelphia 6, Pa.

MARCH OF DIMES

(Continued from page 1)

The returned contribution and accompanying correspondence were turned over to William J. Whelan Jr., chairman of the Laboratory's United Fund organization, with the request by Dr. Reid that the group's board of directors, as the recognized representatives of employees who contributed to the United Fund, study the matter and recommend a course of action.

The board now has the problem under consideration in the interest of reaching a sound decision, agreeable to the majority of employees concerned.

WANTED: Passengers to New York on May 5 and returning May 9. Illg, 4459.



In informal ceremonies held recently Edward A. Howe (left) presented a check for \$2,072.49 to William S. Parker, Chairman of the Cerebral Palsy campaign.

FOR SALE: Four Wilson top notch woods - \$40. Miller, Newport News 2-3896.

FOR SALE: 1/2 ton Fedders air conditioner with thermostat - used 3 months. Buntin, 114 Manteo Ave.

NEW MENU FEATURE

(Continued from page 1)

NACA Exchange Council, which operates the two cafeterias, explained that it was due to a misunderstanding that the staff was not properly advised.

The 25-cent entree will continue as a menu feature as long as it is practicable to do so. The staff will be notified in advance in the event it is planned to discontinue this special, which was instituted to encourage the Laboratory staff to make a fuller use of the cafeteria facilities.

The Exchange Council believes that by increasing the volume of business, it will be possible to expand the food price reduction program and to otherwise improve the quality of the cafeteria service in all respects.

Every effort is made, according to the Exchange Council, to operate the two cafeterias on a non-profit basis in the best interests of the Laboratory staff.

FOR SALE: 17-Foot Dory boat. Davidson, Hampton 35798.

FOR SALE: Set of "Encyclopedia Britannica". Nosak, War.-82132.

WANTED: To join driving combination from vicinity of Deep Creek, Warwick to W.A. on 8 shift. Morris, 4467.

WANTED: Passenger from North End or Ferguson Pk. area to W.A. on 7 shift. Downing, 4587.



BLISTERS AND BRUISES

Get prompt treatment - bruises and blisters usually are more serious than they appear.

Don't open blisters. Apply sterile dressing with no adhesive tape or cotton directly on them.



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COMPLETE X-RAY SURVEY OF STAFF

The Laboratory's fifteenth annual X-ray survey was completed yesterday with the X-raying of West Area employees. At noon on Wednesday, approximately 2,000 employees had reported to the clinic. James C. Tingle, Health Officer, stated that the final total would be approximately 2,600 or 95 percent of the staff on duty on the survey days.

Quite a number of employees were on sick, annual, school leave, etc. and were not able to take advantage of the service.

The service was offered to Laboratory employees free of charge through the courtesy of the Virginia State Department of Health. The two State Department employees who conducted the survey here were Benny J. Jones and James I. Thornton.

2,360 EMPLOYEES NOW BUYING BOND

The percentage participation by Laboratory employees in the purchase of savings bonds through the payroll deduction plan was 75.33 at the end of July, according to a monthly report issued by the Fiscal Division.

A total of \$99,827.98 was deducted from pay checks during July for the purchase of bonds for the 2,360 staff members who are participating in the bond program. There are 773 employees who are not taking part in the payroll savings plan.

Staff members who are interested in participating in the payroll allotment program or who wish to increase their present allotment may obtain a bond authorization card from their attendance clerk. The card should be filled out and forwarded to the Payroll Office.

GEORGE M. HEARN RETIRES FROM LAB

George M. Hearn, Assistant Chief of Technical Service, retired from the Laboratory on July 31 after completing twenty-seven years of service with the Committee.

Hearn was born May 21, 1889 in Mathews County, Virginia. He attended Battery High School in North, Virginia, and served in the U.S. Army from May 1918 to August 1918.

He served his apprenticeship as a machinist from 1906 to 1910 with the Louisville and Nashville Railroad Company. Before joining the Laboratory staff he worked as a machinist with the Newport News Shipbuilding and Dry Dock Company, the U.S. Ordnance Department in Manila, the Southern Shipyard in Newport News and Roanoke Produce Company.

He entered on duty at the Laboratory as a General Helper on June 12, 1922 and left on July 2, 1923 to go into business for himself. He returned to the Laboratory as a Machinist on August 26, 1929 and was assigned to Flight Operations. He transferred to the Sheetmetal Shop on November 27, 1936 and was appointed Shop Superintendent on August 16, 1941. He was appointed Assistant Chief of Mechanical Service Division on November 6, 1943 and Assistant Chief of Technical Services on August 23, 1954.

HOSPITAL PREMIUM DUE AUGUST 16

Premium notices for the hospitalization quarter (August 16 through November 15) went out with Laboratory pay checks yesterday to subscribers to the NACA Group Hospital, Surgical, and Medical Insurance Plan.

The premiums are due on Tuesday, August 16 and the deadline for making payments is Sunday, September 4.

(Continued on page 3)

Air Scoop, August 12, 1955
Vol. 14, Issue 32



David "Jim" Morris, Telephone Exchange, is shown with the Carnegie Hero Fund Commission's bronze medal award which he received last week. Morris was notified in April that he had been awarded the medal for his attempt to save Billy E. Gross Sr., from drowning in Hampton Creek on July 3, 1954. The incident occurred in last summer's annual Hampton Regatta.

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

"Sailing, Sailing. . . ."

At the Langley Yacht Club Sailing Regatta held last week-end Tom and Jean Colvin, Induction Aerodynamics, with their International Racing Dinghy, "Chat Noir", placed second in the Knockabout Handicap Race with a 13.7 rating. J. B. Woodward III, Hampton, placed first with his Thistle boat with a rating of 14.1.

Rock-a-bye baby. . . .

Celebrating the arrival of a daughter on Thursday, August 4 are Shirley and Eugene Schult, both of Pilotless Aircraft Research Division.

Sick bay. . . .

William E. Dewey, who retired from the Lewis Laboratory and returned to Mathews to enjoy his retirement, is recuperating from an operation at Mary Immaculate Hospital and would like to have some of his Laboratory friends visit him. Dewey formerly worked in the Langley Engine Research Laboratory.

Wedding bells. . . .

Making plans to join the ranks of newly weds is Jim Hudgins, West Fabrication Shop. He is engaged to Marilyn Townsend, Seaford, Delaware, and the wedding will take place in November.

Members of the Singleton Club. . . .

are reminded that a stag, barefoot ball will be held tonight at the Activities Building and dancing will be from 9 'til midnight to the music of The Southerners. Single employees who are interested in joining the club may contact Sue Koenig, Hampton 3-4274, or Alton Mayo, Hampton 3-8973.

Diaper Lines. . . .

During his travels the stork stopped by the Arthur McEvily household on Monday, August 8 and delivered a new heir. The proud father works in Structures Research.

Visiting the Laboratory. . . .

this week from NACA Headquarters were Allen O. Gamble, Ralph W. May Jr., John W. Crowley, and Ira H. Abbott. Other visitors included William J. Underwood, NACA Liaison Office at Wright Patterson Air Force Base, and Harry J. Goett, Ames Laboratory.

COMING EVENTS

Printed below is a calendar of events scheduled to take place in the Activities Building throughout the coming week.

- Aug. 12 - Singleton Club Dance
- Aug. 13 - Open House (from noon to dark)
Engineering Service Division Party
- Aug. 14 - Open House (from noon to dark)
NACA Groups
- Aug. 16 - Bridge Club
Badminton Club
- Aug. 17 - East Model Shop
- Aug. 18 - Induction Aero

FOR SALE: Upright mirror piano - \$150. Freeman, Hampton 5570.

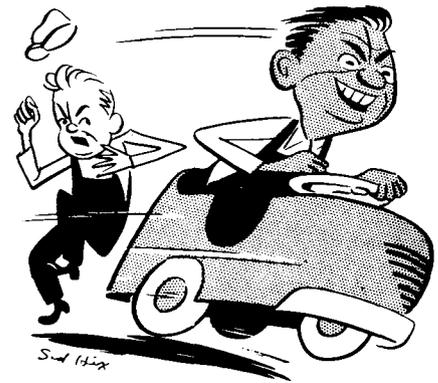
BIDS CLOSE TODAY FOR WADING POOLS

Employees interested in submitting bids on the two wading pools which are being sold by the Activities Association by closed bid, are reminded that the bids must be turned in to Erskine White, West Engineering by 3 o'clock today.

The large pool retailed for \$200 plus \$15 for a ladder and the small pool retailed for \$50.

FOR SALE: Air-Temp 20 gallon water heater. Councill, Hampton 3-7812.

FOR SALE: 1954 Plymouth station wagon. Stark, Seaford 3835.



NOT ROD

He's a man in a hurry, and he takes all the short cuts. Too bad if he knocks someone down.

Not all the hot rods are truck drivers. You may see one running for the time clock or trying to break a speed record on the job.

You don't have to run to get the job done. Take time to do it right.

LANGLEY LAB IN RETROSPECT

Remember ten years ago this week when Laboratory employees got a close-up view of the results of their labor when they took the afternoon off to view the air show staged at Langley Field in honor of the Army Air Forces' 38th Birthday.

All types of up to the minute Army airplanes, including the mammoth Superfortress, the jet-propelled Airacomet, the helicopter, and scores of other fighters, bombers, and cargo craft were on display and many of them participated in mock air battles and others flew demonstrations.

One of the most popular ships in the lot was the B-29. The Laboratory's connection with this sky giant began with wind tunnel tests in the 8-Foot High Speed Tunnel early in 1942. Eight thousand hours of wind tunnel testing went into the Superfort before the first flight test. The NACA received the thanks of the Boeing Company for the early availability of preliminary data on the model tests, which allowed a material speed up of operations.

FOR SALE: 7½ hp outboard motor and 6 quarts of outboard oil - \$75. Ayres, NN-27581.

FOR RENT: Room for 2 gentlemen. H. V. Lewis, H-35885.

TWO RECEIVE MASTER'S DEGREE

Two Laboratory employees will receive master's degrees from the University of Virginia at exercises which will be held tomorrow at the University. Receiving a degree in Mechanical Engineering will be Sherman A. Clevenson, Vibration and Flutter, and John A. Moore, Gas Dynamics, will receive his degree in Aeronautical Engineering.

Clevenson was born June 9, 1925 in Laconia, New Hampshire. He graduated from Laconia High School and received his B.S. degree in Mechanical Engineering from the University of New Hampshire in June, 1945. He entered on duty at the Laboratory on July 2, 1945 as a Mechanical Engineer in the Physical Research Division. On Nov-21, 1949 he was transferred to Vibration and Flutter. He is a member of the American Society of Mechanical Engineers.

Moore was born May 2, 1920 and claims Birmingham, Alabama, as his birthplace. He graduated from Tuscaloosa High School and received his B.S. degree in Aeronautical Engineering from the University of Alabama in 1948. He served with the U.S. Army from May 23, 1939 to January 3, 1946. He joined the Laboratory staff on July 2, 1948 as an Aeronautical Engineer at the 11-Inch Hypersonic Tunnel. On November 13, 1951 he transferred to Gas Dynamics. Moore is a member of the Institute of the Aeronautical Sciences and Tau Beta Pi honorary fraternity.

JUNIOR RIFLE CLUB

Ten juniors and five seniors fired in the "Penny-in-the-Hat" match last week and six scored direct hits. Scores were as follows: Bob Orr 19 + 23 - 42, Jack Gibson 2 + 26 - 28, Howard Morris (senior) 22, Girard Chambers III 4, Stephen Cook 1 + 1 - 2, and Hastings Morris 1.

WANTED: Alternate driver from vicinity of Hilton Village to W.A. on 8 shift. Boatwright, 4488.

WANTED: Ride or driving combination from Beaconsdale to W.A. on 7 shift. Thompson, 4517.

WANTED: Passengers from Southampton to E.A. on 8 shift. Menkick, Hampton 3-0192.

FOR SALE: 1954 17-inch Motorola table model TV with all new tubes including picture tube - \$95. Chard, Hampton 3-7034.



Sherman A. Clevenson



John A. Moore

ARCHERY CLUB OPEN TO STAFF

Russell Clickner, Chairman of the Activities Association's Activities Committee, announced this week that the Langley Air Force Base archery club, known as the "Bowmen", has invited all Laboratory employees interested in archery to join.

The next meeting of the group will be held Monday, August 22 at 7:30 p.m. at Service Club No. 1, which is located just inside the East Gate. All persons interested are urged to attend.

Clickner stated that he would attend the meeting to help the Air Force coordinate the two groups.

TENPIN LEAGUE

The NACA Tenpin League held its first meeting last week and elected the following officers for the 1955-56 season: John Household-er, Flight Research, president; Carl Baab, PARD, vice president; James C. Tingle, Health Unit, secretary; Harry Pilgrim, Flight Research, treasurer, and Paul Yager, IRD, official scorer.

There are still openings for teams and anyone interested in entering a team for the new season is invited to do so. Individuals interested in bowling tenpins are also welcome as new teams are being formed.

For further information contact Householder, Flight Research, or Baab, PARD.

WANTED: Passengers from Maple and Claremont Avenues or vicinity to West or East Area on 8 shift. Schmidt, 4459.

FOR SALE: Retina camera and Gos-sen dual sixon exposure meter. Bridgland, H-36375.

HOSPITALIZATION

(Continued from page 1)

The West Area collection office for members of the hospitalization plan, the NACA Group Life Insurance Plan, and those who still owe pledges to the United Fund has been moved from the Accounting Office on the second floor of the warehouse Building to Room 116, Warehouse Building.

The East Area collection office is still located in the Travel Office, Administration Building.

Premium payments may be made by cash or by check made payable to the Langley Hospital Insurance Association.

Policies on which premiums are not paid by midnight September 4, will lapse and a physical examination, at the employee's own expense, will be required in order to renew the hospitalization.

FOR SALE: Apex dish-o-matic. A. Curley, Hampton 3-6708.

FOR SALE: Storkline crib and mattress. Arnold, Hampton 3-5552.

FOR SALE: 7 piece chrome dinette set - \$80. Chambliss, H-32048.

FOR SALE: 3 rooms of furniture. Dodson, 266 Freeman Dr. after 5.

FOR SALE: 10 gallon aquarium with flourescent lights, fish, filter and vibrator - \$20. Cerny, Hampton 3-5260.

FOR SALE: Poloroid camera with case and flash attachment; Royal portable typewriter. Garber, H-8922.

FOR SALE: Complete set of full window screens and 2 screen doors. Miller, Hampton 3-4720.

ANNUAL FINANCIAL REPORT

PROFIT AND LOSS
July 1, 1954 - June 30, 1955

**PAYROLL SAVINGS
WILL FEATHER YOUR
NEST.**



**Buy U.S. Savings Bonds
REGULARLY**

SEAFOOD FESTIVAL PLANNED SEPT. 16

The National Seafood Festival Dance is being held this year at the Grand View Pavilion on Friday, September 16. Under the sponsorship of the Hampton Lions Club, this year's celebration will feature Johnny Long and his orchestra with Jimmy Sedlar, the Long Shots, and the Glee Club.

Queen Lorelei V, who will reign over the dance, will be chosen by popular ballot. Coronation of the Queen and presentation of her court will take place during intermission.

Tickets are four dollars a couple and only 950 tickets will be sold to assure adequate room for all. Tickets will go on general sale in two weeks but staff members may obtain them in advance from the following employees who are members of the Lions Club: Joe Braig, Mechanical Service; Buck Buchanan, Steel Construction; Dick Cole, Training Office; Bill Gracey, Flight Research; Francis Little, Accounting; Warren McNamara, Report Control; Bill Nelson, Air Induction, and Joe Shortal, PARD.

WANTED: Young lady to share apartment near Southampton. Miss Lorenz, Hampton 3-7029 after 6 p.m.

WANTED: Ride from Dwight and Harpersville Rd. to W.A. on 8 shift. Barbara Doar, 4537.

<u>Income</u>			
Bar		\$11,080.62	
Game Night		5,694.25	
Dance		4,717.00	
Turkey Shoot		797.25	
Carnival		6,980.30	
	Total Income from Operations		\$29,269.42
<u>Costs</u>			
Bar Purchases		\$ 9,730.83	
Bar Labor		380.73	
Bar Supplies		23.76	
Game Night Expense		4,923.69	
Dance Expense		4,232.29	
Turkey Shoot Expense		432.20	
Carnival Expense		6,666.48	
	Total Cost of Operations		\$26,389.98
	Gross Profit from Operations		\$ 2,879.44
<u>Other Income</u>			
Coca-Cola Commissions		\$ 5,592.53	
Labor Charges Earned		1,467.19	
Life and Hospital Commission		71.70	
Interest and Dividend		224.31	
*Miscellaneous Revenue		502.21	
	Total Other Income		\$ 7,857.94
	Gross Profit		\$10,737.38
<u>Activities Expense</u>			
Cash Short		\$ 30.07	
Wages		3,483.92	
Travel		45.93	
Depreciation Expense		709.27	
Sports Subsidization		566.61	
Printing and Supplies		71.17	
Laundry		6.78	
Dishes and Cutlery		107.69	
Parties Expense		416.82	
Entertainment Expense		93.50	
Donations		13.00	
	Total Activities Expense		\$ 5,514.76
<u>Administrative Expense</u>			
Office Wages		\$ 2,519.93	
Taxes and License		176.55	
Office Supplies		30.76	
Bank Charges		5.50	
Postage and Express		25.85	
Equipment Repairs		156.71	
Christmas Gifts		50.00	
**Miscellaneous Expense		459.21	
	Total Administrative Expense		\$ 3,424.51
	Total Activities & Adm. Expense		\$ 8,969.27
	Net Profit for Fiscal Year, 1954-55		\$ 1,768.11
*\$ 10.50 Sale of Softballs	**\$ 1.57 Postage		
192.15 Easter Party	37.59 Loss Old Merchandise		
13.20 Hospital Commission	.30 Christmas Party		
195.35 Christmas Party	5.84 Free Drinks to Unpaid Help		
6.84 Dividend	356.39 Easter Party		
24.17 Prize Sale Income	25.00 Croquet sets (2)		
60.00 Bridge Club Donation	18.75 Prize for Mural Contest		
<u>\$502.21 Total Miscellaneous Revenue</u>	3.75 Trip for Buying		
	5.00 Decorating Expense		
	5.02 Adjustment Special Inv.		
	<u>\$459.21 Total Miscellaneous Expense</u>		

WANTED: Driving combination from Kecoughtan and Algonquin to W.A. on 8 shift. Wilson Clark, 4611.

WANTED: Ride from Courtney Dr., Fairview Farms to E.A. on 8 shift. Fitzgerald, 2393.

WANTED: To rent 2 or 3 unfurnished bedroom house with stove and refrigerator. Offenhartz, H-33149.

WANTED: Ride from Colonial Place to E.A. on 8 shift. Elva Gardner, 2211.

--Invest your spare cash in U.S. Savings Bonds--



AIR SCOOP ARTICLES BEGINNING TODAY ON RADIOACTIVE FALLOUT

A number of Laboratory employees have been active in the past several months in Peninsula communities on various phases of civil defense.

One staff member, Charles A. Gurtler of IRD recently attended a radiological defense training course at the Nevada Proving Grounds in his capacity as chief of the radiological unit of the Hampton Civil Defense Organization.

Since his return from Nevada, where he witnessed several atomic explosions, Gurtler has lectured to various groups on the dangers of radioactive fallout.

Dr. H. J. E. Reid, Director, announced that he plans to have Gurtler and members of his Civil Defense staff give their observations of the threat of radioactive

(Continued on page 2)

HARRY W. SELBY DIES AT AGE 40

Harry W. Selby, Fire Fighter, died Tuesday night in Dixie Hospital after a short illness.



A native of Phoebus, he was born January 15, 1915. He attended Phoebus Junior High School and graduated from Hampton High School in 1932. Before joining the Laboratory staff as a Fire Fighter he served two years with the Phoebus Fire Department and one year with the Langley Field Fire Department.

Survivors include his wife, Mrs. Mary Selby; a daughter, Miss Katherine Selby; his parents, Mr. and Mrs. W. L. Selby Sr.; four brothers, Raymond Selby, Steel Construction; W. L. Selby Jr., George Selby, and Horace Selby, and two sisters, Mrs. Rosa Lee Hatchett and Miss Shirley Selby.

MAGNUS RECEIVES SERVICE EMBLEM

In informal ceremonies held last week Dr. H. J. E. Reid, Director, presented a diamond-studded 30-year service emblem to George O. Magnus, Head of Instrument Shop.

Magnus was born in Baltimore, Maryland. He attended Hampton High School and served his apprenticeship as a machinist and toolmaker at the Apprentice School of the Newport News Shipbuilding and Dry Dock Company. He entered the U.S. Navy on August 2, 1917 and received his discharge as a Machinist's Mate on August 10, 1919. Following his discharge he returned to the Newport News Shipyard where he worked as a machinist for six years.

He joined the Laboratory staff on May 22, 1925 as a Machinist. He was appointed Assistant Shop Superintendent of the Instrument Shop on April 1, 1943 and promoted to head of the shop on August 1, 1943.

The presentation ceremony took place last week at an informal get together of all staff members who have completed 30 years or more service with the Committee. Those in the 30-year group who attended were: Dr. John F. Victory, Executive Secretary; Dr. H. J. E. Reid, Director; Percy R. Keffer, Head of Woodworking Branch; William E. Trail, Inspection Section; Harold R. Turner, Safety Officer; Howard H. Morris, Engineering Planning Officer; Charles C. Decker, Loads Calibration; Clarence B. Kline, Head of East Engineering; Clyde Lumpkin, Auditing and Bookkeeping; Ellis R. Burbank, Heat Treating; Charles L. Shobe, Head of Heat Treating; Francis J. Howard, Head of Instrument Construction; Lucy Bainbridge, Head of Stenographic and Clerical Section; Ruth T. Belle, Office of the Director; George O. Magnus, Head of Instrument Shop; Benjamin G. Bennett, Instrument Engineering, and Robert E. Mixson, Chief of General Services Division.



George O. Magnus (left), Head of Instrument Shop, receives his 30-year service pin and congratulations from Dr. H. J. E. Reid, Director. The presentation took place at informal ceremonies held last week.

Air Scoop, August 19, 1955
Vol. 14, Issue 33

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

Double feature.

Celebrating the arrival of twin sons on Thursday, August 11 is Bill Powell, Gas Dynamics. David Leigh weighed in at four pounds and twelve ounces and Robert Phillip tipped the scales at five pounds and three and one-half ounces.

Thank you.

Upon the occasion of his recent retirement from the Laboratory, George Hearn was presented a television set by a group of his many friends here. In a note received this week from Mrs. Hearn she stated: "There are occasions when one's feelings and a simple 'Thank You' is all that the tongue can utter. It is so in this instance when, on behalf of George Hearn, this note of appreciation comes to you who have so generously given of yourselves to insure the pleasure of his retirement from the NACA. The beautiful television set will be an ever present reminder of your esteem and friendship for him as well as a source of entertainment and pleasure for the 'Idle Years'. For myself, I must say to you that through the years George Hearn's pride in the progress of the NACA and the spirit which permeates the organization; his appreciation of your cooperation and loyalty - individually and collectively - have been a part of my daily life. So that with him I, too, may send best wishes to each of you with cheers for the continued progress of the organization which you serve. And from both of us, deep appreciation and 'Thank You' for the beautiful gift."

Sick bay.

Word has just reached the Laboratory that Bob Souter, formerly of Flight Research Division, is undergoing treatment at the Union Memorial Hospital in Baltimore. Bob would appreciate a few cheerful cards from his many Laboratory friends and his address is: Robert K. Souter, Room 400, Union Memorial Hospital, Baltimore, Maryland.

Weighing in.

at seven pounds and nine ounces on Thursday, August 11 was William H. III, new son of Clay, formerly of 4-Foot Supersonic Tunnel, and Bill Guy, west Photo Lab.

Making plans.

for a fall wedding is Jean Barnes, 7 by 10-Foot Wind Tunnels. She is engaged to Percy "Bud" Bobbitt, Stability Analysis, and the wedding will take place on October 9 at the First Presbyterian Church in Newport News.

Diaper Line.

Celebrating the arrival of a new daughter on Monday, August 15 is Frank Mershon, East Engineering.

Boating enthusiasts.

are reminded that the monthly meeting of the Langley Yacht Club will be held on Tuesday, August 23 at 7:30 p.m. at the Special Service Boat-house.

Night Howl.

Announcing the arrival of a seven pound, one ounce son, Gerald Joseph, on Wednesday, August 3 is Jim Donegan, Maneuver Loads.

FOR SALE: 14-foot Yellow Jacket outboard boat complete with steering wheel, Johnson remote controls and 10 hp Johnson motor - \$575. Gould, H-37145 after 4 p.m.

FOR SALE: Thayer high chair. Braig, Hampton 6983.

WANTED: Portable washer. Dodson, 266 Freeman Drive.

SNOW-OFF

He's as strong as an ox, but he has to be sure you know it. No load is too heavy for him.

Or he poses like a returned hero, especially if there are any girls around to admire him.

Anything to get a little attention! Keep it up, Big Boy, and you'll get lots of attention — from a doctor and a bunch of pretty nurses.

*Showing off is kid stuff.
What's more, it can be dangerous.*



RADIOACTIVE FALLOUT

(Continued from page 1)

fallout at meetings of Laboratory employees to be held at some future time.

In addition, the Laboratory has obtained official information on the subject from the Federal Civil Defense Administration. The information is being incorporated in a four-week series of articles beginning on page 4 of today's "Air Scoop".

The next three articles will appear on the back page of "Air Scoop" on succeeding Fridays. Staff members are urged to save them for future reference.

WANTED: Ride from 13 Morrison Ave. to W.A. on 7:30 shift. Holland, 4611.

FOUND: Pair of safety glasses in PARD. Mary Lee Davis, 4427.

WANTED: Ride from Randolph Rd. on Route 168 to W.A. on 8 shift. Spears, 4687.

WANTED: Driving combination from Buckroe to W.A. on 7:30 shift. Carter, 4687.

WANTED: Ride to Philadelphia, Allentown or vicinity on Aug. 28. Elizabeth Hedelka, 4697.

GOLF TOURNAMENT PLANS ANNOUNCED

The NACA Golf Tournament will be played at the Langley Air Force Base Golf Course and it will consist of two parts.

The first part will be an 18 hole medalist round to be played on August 27 and 28. Trophies or merchandise will be awarded to both low gross and low net winners and runner-ups.

The second part will consist of a handicap match play by flights with the first match to be played between September 10 and September 18. Trophies or merchandise will be awarded the winner and runner-up in each flight plus an award to the winner of the first round losers in each flight.

Entry blanks may be obtained from District Representatives. The entry fee of one dollar must be submitted with entry blanks. Entries not submitted before Tuesday noon on August 23 will be eligible for the match play tournament only.

For complete details check the bulletin board.

FOR SALE: 1955 Fair Lane Ford V8 - 2 door and fully equipped - will finance. Hogge, Seaford 3691 after 6 p.m.

FOR SALE: 1/3 hp air conditioner - \$35. Bland, H-32507.

FOR SALE: 1950 Ford - 4 door. Horton, NN-22230.

**THE SMART APPLE STICKS
TO REGULAR PAYROLL SAVINGS.**



**Buy U.S. Savings Bonds
REGULARLY**



All the members of the 30-year group at the Laboratory got together at an informal luncheon in West Cafeteria last week at which time George Magnus was presented his 30-year service pin. Also attending the affair was Dr. John F. Victory, Executive Secretary, who recently received his 40-year pin. Members of the group are front row (from left): Ellis R. Burbank, Charles L. Shobe, Francis J. Howard, Lucy Bainbridge, Ruth Belle, Magnus, Benjamin Bennett, and Robert E. Mixson. Second row - Percy R. Keffer, Dr. H. J. E. Reid, William E. Trail, Harold R. Turner, Dr. Victory, Howard Morris, Charles C. Decker, Clarence B. Kline, and G. Clyde Lumpkin.

ARCHERY CLUB

Archery enthusiasts are reminded that the Langley Air Force Base archery club, the Bowmen, has invited all Laboratory employees interested in archery to join.

A meeting of the group will be held next Monday night at 7:30 at Service Club No. 1, which is located just inside the East Gate, and all interested persons are urged to attend.

NOTICE: The Singleton Club dance, which was scheduled to be held last Friday night in the Activities Building, has been postponed until Friday, August 26. The dance will be from 9 'til 12 at the Special Services Boathouse.

FOR SALE: 1952 4 door Chevrolet sedan - \$1075. Myers, Seaford 3428.

FOR SALE: 1954 Ford convertible and 1954 Bel Air Chevrolet - 2 door sedan. Butler, Warwick 8-3394.

FOR SALE: Simmons hollywood single bed with headboard and single linens, and blonde dinette set. Heyson, Hampton 3-9277.

FOR SALE: Baby carriage, bathinette, and Duo-therm space heater (suitable for 5 room house. Leband, 22 Forrest Drive, Warwick.

FOR SALE: 1955 Plymouth - 4 door. Davis, NN-43610.

COMING EVENTS

Printed below is a calendar of events scheduled to take place in the Activities Building throughout the coming week.

- Aug. 19 - Vibration and Flutter party
Free Flight Tunnel
- Aug. 20 - Model Club
Open House (from noon to dark)
- Aug. 21 - Open House (from noon to dark)
- Aug. 22 - Engineering Service
Division party
- Aug. 23 - Bridge Club
Badminton Club
- Aug. 25 - Dynamic Loads
- Aug. 26 - 4-Foot Supersonic
Tunnel

FOR SALE: Westinghouse 50 gallon electric water heater. Vogt, warwick 8-1233.

FOR SALE: Bell tape recorder - 3 speeds - \$75, 12 volt dynamotor - \$20, and Garraud RC 80 record player - \$30. Johnston, H-33788.

FOR SALE: 16 hp Mercury motor - \$225, 14-foot boat - \$100. Watkins, Hampton 3-6981.

FOR SALE: Treadle Singer sewing machine. Llaneza, H-35264.

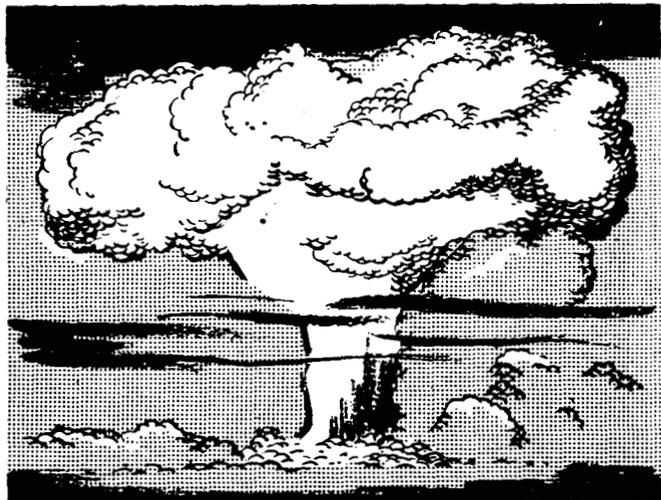
FOR SALE: Wardrobe, trunk. Nevins, Warwick 8-4294.

WHAT YOU SHOULD KNOW ABOUT RADIOACTIVE FALLOUT

Since early 1954 you have been hearing and reading about a strange phenomenon of the atomic age called fallout. You knew that it had something to do with the tests of a hydrogen bomb in the Pacific and that Japanese fishermen many miles away were made ill by it.

Probably in your mind fallout began to take on all the terrors of the unknown. That was only natural. From the beginning of time people have feared what they did not understand. You could not be expected to understand fallout because you had heard only conflicting rumors or had read unofficial explanations that were not always accurate.

Then, in February 1955, President Eisenhower decided that you should be told as much as possible about fallout without giving away information to a potential enemy.



The purpose of this four-part "Air Scoop" series is to present in nontechnical language what you should know about fallout. It explains what causes fallout and where and when it might be expected. It reassures you that, far from being a mysterious killer, fallout is something about which our Government knows quite a bit, and something you can protect yourself from.

If you read these articles carefully and take the steps they recommend, you will be prepared to act quickly to safeguard yourself and your family should fallout come your way because of an enemy H-bomb attack.

The term "fallout" is used to describe the radioactive particles produced by an H-bomb, which falls back to earth from the upper air. These particles are composed of pulverized material drawn up from the surface of the earth by the explosion and contaminated with radioactive products of the bomb itself.

If you are exposed to a heavy concentration of fallout, you may become ill or even die. You can avoid exposure to it, however. If you learn how to protect yourself and follow the instructions of your civil defense officials at the time of an H-bomb attack, you need not fear injury.

Civil defense officials can predict with reasonable accuracy, after an H-bomb explodes, where fallout will settle to earth. Naturally, you would not be evacuated into areas where fallout is expected. With radiation measurement instruments, civil defense teams will determine where radioactive areas are. You will be told where these areas are and can take the protective measures you have learned here.



To understand fallout you should know the four major characteristics of an H-bomb explosion: blast, heat, initial radiation, and residual radiation. The last of these - residual radiation - is given off by the fallout from the explosion.

The first three occur almost instantaneously with the explosion. Your chief protection from them is the distance you are from the center of the explosion, and adequate shelter. The larger the bomb, the farther away you must be for safety.

You need not worry about the initial radiation released when the bomb explodes. If you are far enough away so that the blast and heat cannot hurt you, the initial radiation will not either.

On the other hand, residual radiation from fallout would be somewhat delayed. The fallout would be carried back to earth over a much larger area than that affected by heat and blast and would continue to be dangerous over a considerable period of time - in some cases as much as several days. This is the hazard you must learn to protect yourself against.

Although radioactive materials are produced by all atomic and H-bomb explosions, the nature and extent of fallout depends mostly on the conditions under which the bomb is fired. For example, the fallout from a bomb exploded in the air is less hazardous than that from a bomb exploded on or close to the surface of the earth. This is because the minute radioactive bits and vapors of the bomb exploded high in the air have only airdust with which to unite, and only tiny particles are formed. Because these are so small they descend very slowly. By the time they reach the surface of the earth - perhaps days or even months later - most of their radioactivity has been given off harmlessly in the air.

When an H-bomb is exploded on the ground, or close enough so the fireball touches the ground, large amounts of pulverized surface material, contaminated by the highly radioactive bomb products, are drawn up into the bomb cloud. Many of these particles are heavy enough to fall rapidly back to earth while they are still intensely radioactive. Most of the radioactive particles, however, are carried up in the familiar mushroom-shaped cloud. The cloud rises rapidly to the highest levels of the atmosphere and spreads over hundreds of square miles in the first hours. During this time the prevailing winds carry the particles along and, while they lose some of their radioactivity before they eventually reach the ground, they are still dangerous to you.

An enemy would be unlikely to explode his bomb as an airburst. He would probably use a surface burst because the fallout from it would make his bomb more destructive of life over a wider area.



NEXT WEEK: Factors affecting radioactive fallout will be the subject of next week's article, to be found on this page. Included in the discussion will be the part winds play in extending the danger zone.



FUND DRIVE WORKERS READY FOR WHIRLWIND CANVASS

HOPE TO COMPLETE CAMPAIGN IN EIGHT-HOUR EFFORT TODAY



The climax of nearly a month of preparation will come today for 200 United Fund solicitors who have the man-sized job of contacting each Laboratory employee in a whirlwind attempt to complete the annual campaign by quitting time this afternoon.

"This is it!" was the enthusiastic comment by Anshal I. Neihouse, drive chairman, as the day of decision arrived. "The fate of our effort is now in the hands of campaign solicitors and the generosity of the Laboratory staff. I'm betting on them to come through with flying colors."

Solicitors have been requested to make an especial effort to contact each employee on their collection list before the end of the work day. Several employees who planned to be on leave today have already checked with their solicitor and signed their pledge card or made a cash contribution, Neihouse reported.

The drive chairman reminded the staff that, although he is anxious to put the campaign over the top today, pledges and cash donations will be gladly accepted by solicitors throughout October. Periodic reports of the contributions (pledges and cash) and the percentage participation by the staff will be given on huge outdoor billboards located in front of the Administration Building and at the entrance to the West Area. Additional reports will be carried in the Air Scoop until the drive is concluded.

As announced previously, solicitors are seeking

(Continued on page 3)

KIDS' DAY SET FOR TOMORROW

Parents are reminded that tomorrow is the big day that the Activities Association has set aside for the special entertainment of the children. The activities for the day will include games for the different age groups with the winners receiving prizes and a marionette show, "Spirits on Echo Mountains", by Tim Letchworth of Hampton.

Following the show the tots will be served ice cream and the activities for the day will close with the children and parents being served supper.

Merle Ott, Chairman of the Children's Committee, stated that

(Continued on page 7)

Air Scoop, October 7, 1955
Vol. 14, Issue 40

20 EMPLOYEES RECEIVE PINS

In informal ceremonies held Tuesday Dr. H. J. E. Reid, Director, presented service emblems to sixteen employees. Four staff members also received 15-year pins from their respective division chiefs during the month of September.

Clarence L. Decker, Mechanical Maintenance, was presented the diamond-studded 30-year pin.

Twenty-five year pins were presented to the following: Edmond C. Buckley, Chief of IRD; Maurice J. Brevoort, Gas Dynamics; William P. Tully, Superintendent of East Machine Shop; Alfred E. Alexander, Instrument Shop; Edgar J. A. Fournier, Engineering Service Division; I. E. Garrick, Chief of Dynamic Loads Division; Benjamin F. Murden, Low

(Continued on page 4)

CONCERT AND DANCE SET FOR WEDNESDAY

Harry James and his Music Makers will be at the Activities Building on Wednesday for a concert and a Columbus Day Dance.

Cecil Burtner, Social Chairman of the Activities Association, stated that James and his orchestra will present a concert in the Activities Building from 6:30 to 7:30 p.m. followed by a dance from 9 'til

1. Concert tickets are \$1.25 per person and dance tickets are six dollars a couple. Tickets are now on general sale in the East Area at the Air Scoop Office, Service Building, and in the West Area at the Activities Building.

Burtner pointed out that admission to this affair, as well as to other similar types of enter-

(Continued on page 2)

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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

Weighing in.

at seven pounds, eleven ounces on Sunday, October 2 was Stephen Paul, son of Paul Geiger, East Model Shop, and Elva, formerly of Payroll.

Relaxation of water conservation measures.

The following notice appeared this week in the Langley Air Force Daily Bulletin: "Due to recent heavy precipitation in this area, the water storage at Big Bethel is no longer critical. Effective immediately, the stringent conservation measures which have been in effect for the past several months are lifted. It is requested, however, that normal conservation measures be continued."

Diaper Line.

Celebrating the arrival of a seven pound son, Michael Hutton on Wednesday, September 14 is Ellis E. McBride, Tank 2.

New Rocket.

Keeping the Anthony Passera household awake nights is a new daughter who arrived on Saturday, September 24. The proud father works in Pilotless Aircraft Research.

Wedding bells.

will ring tomorrow when Jeanne Barnes, 7 by 10-foot Wind Tunnels, and "Bud" Bobbitt, Stability Analysis, take their final vows at the First Presbyterian Church in Newport News. Lorraine Wells, Stability Tunnel, will serve as maid-of-honor.

During his travels.

the stork stopped by the George Graves household on Sunday, September 25 and delivered a daughter. The new father works in Instrument Research Division.

Congratulations to.

Alvin A. Johnson, Martin B. Bazemore, and Irving I. Pinkel, all of the Lewis Laboratory, upon completing 15 years of service with the Committee. All three started their NACA careers at Langley in 1940 and later transferred to the Cleveland Laboratory.

Celebrating.

the arrival of a nine pound, eleven ounce son on Sunday, September 25 is Virgil Forrest, Impact Basin.

The Singleton Club.

will sponsor a dance on Friday, October 14 from 9:30 to 12:30 at the Langley Boat House. The Southerners will furnish the dance music and admission will be one dollar per person. All single members of the Laboratory staff are invited to attend.

WANTED: Home for kittens. Henderson, Warwick 8-4364.

WANTED: Set of machinist's tools. Simpson, NN-28667.

WANTED: Home for 2 kittens. Lois Hartmangruber, H-5697.

FOR SALE: Restricted high land with water privileges off York River in Gloucester County, Walton, Gloucester 31235.

WANTED: Child's 12 or 14-inch bicycle with coaster brake. Dingeldein, Warwick 8-3207.

WANTED: To give away a puppy. Snyder, W-85064.

WANTED: Set of "World Book Encyclopedia" or its equivalent. Mancel, Hampton 8536.

WANTED: Two 30-inch Hollywood beds. Kline, H-7221.



Harry James and his Music Makers will appear at the Activities Building next Wednesday for a concert and Columbus Day Dance.

HARRY JAMES

(Continued from page 1)

tainment, is determined in equal proportions by the number of tickets to be sold and the actual cost of the attraction. In other words, the Association does not try to make a profit on such affairs.

In order to facilitate the arranging of the building for the dance, the building will be closed following the concert. The doors will be opened for the dance at 8:30. Table reservations may be made by calling 4583. No reservations will be held after 10 o'clock.

Harry James, rated by most musical authorities as the top band leader of the country, will feature the many songs that he has popularized. Featured with James in his all-star musical aggregation are top vocalists and a host of famous musicians.

He has always sought out new and unusual talent for his band and in this constant search he has brought to the limelight such luminaries as Frank Sinatra, Dick Haymes, Connie Haines, Helen Forrest and Kitty Kallen.

WANTED: Ride from Wythe to W.A. on 8 shift. Hicks, 2317.

WANTED: Ride or driving combination from Southampton to W.A. on 7:30 shift. Don Thomas, 4604.

WANTED: Ride from Pine Chapel Village to W.A. on 7:30 shift. Shirley Sawyer, 4611.

WANTED: Alternate driver from Southampton to W.A. on 7:30 shift. Ferresse, 4515.

UNITED FUND

(Continued from page 1)

an average of a day's pay from the staff. Neihouse reported on the eve of today's "big push" that realization of this goal would send the contributions past last year's high figure of \$33,028. Neihouse also is confidently looking forward to a 100 per cent participation by the staff.

In expressing his confidence he stated, "Actually, we are asked to participate for a more basic reason than charity. Insuring a strong community insures a strong country - and the United Fund strengthens our community. Although a democratic government bestows upon each of us certain rights and privileges, it also exacts from us the duty of doing our share in maintaining those rights and privileges."

Division chairmen, who are directing the activities of the corps of 200 solicitors, have been asked by Neihouse to make a report by the end of today to the respective financial chairmen, to facilitate a proper evaluation of the one-day drive effort. Vere Huckel, Vibration and Flutter, is West Area financial chairman. Helen Willey, 8-foot Tunnel, is financial chairman for the East Area.

Benefitting from this year's fund drive are the Community Chest, Red Cross, Cancer Fund, Heart Fund, United Cerebral Palsy Fund, and the Crusade for Freedom.

FOR SALE: 2 children's Ancuna coats size 7 - \$15 each. Bartone, Hampton 8201.

FOR SALE: 410 gauge single barrel Stevens hammerless automatic ejector with safety - \$19. Hixon, H-4131.

FOR SALE: Portable Remington typewriter - \$60. Brogden, H-38481.

FOR SALE: Wooden high chair - changes to table and chair - \$3. Heitkotter, H-35996.

FOR SALE: 1946 Fleetline Chevrolet with radio and heater - \$200. Erickson, P.O. Box 605, Langley Air Force Base.

FOR SALE: 3 bedroom house in Green Oaks with fenced lot and storm windows - \$11000. Evans, W-80483.

FOR SALE: 14-foot Wolverine runabout with 25 hp Evinrude motor. Wolff, H-35376.

FOR SALE: L.C. upright typewriter with 13-inch carriage. Read, Newport News 23692.

WHIRLWIND HITS FRONT OFFICE



Henry A. Fedziuk (seated left), United Fund drive solicitor, and Eldridge H. Derring (seated right), fund drive chairman for the Research Staff Office, had their hands full this week as a group of Laboratory officials decided to get the United Fund campaign off to a flying start. Shown making their pledges are (from left): Dr. H. J. E. Reid, Director; Robert R. Giltruth, Assistant Director; Floyd L. Thompson, Associate Director; Hartley A. Soule, Assistant Director, and W. Kemble Johnson, Administrative Management Officer.

--Photo by James C. Weaver

RAPID READING COURSE OFFERED

Training Office officials announce that plans are being made to start a course in Rapid Reading on Monday, October 17 in Conference Room I, Administration Building.

The class will meet on Monday and Thursday evenings from 7 to 8 o'clock for a total of 16 sessions. A fee of five dollars per person will be charged for the course.

The enrollment of the class will be limited to 25 students and the first ones to register will be accepted. Employees interested in the course are asked to contact the Training Office, 2256.

FOR SALE: 1952 Cadillac - hard top coupe. Blanchard, H-7039 after 5.

FOR SALE: 21-foot Owens inboard cruiser. Cale, W-80794.

FOR SALE: 18-foot double cockpit inboard runabout. Colvin, Newport News - 28587 after 5 p.m.

FOR SALE: Four 6.70 by 15 used tires and tubes. Kelly, W-85721.

FOR SALE: 1950 Chevrolet carry-all. C. W. Wood, H-36671.

FOR SALE: 2 exterior screen doors - \$4 each. Bland, Hampton 3-2507.

GOLF TOURNAMENT NEARS COMPLETION

Russell Clickner, Chairman of the Activities Committee of the Activities Association, announced that the match play division of the NACA Golf Tournament is in its final rounds and the following players are still in the running:

Championship flight - George Griffith, Structures, and Grady Mitchum, PARD, in the finals.

First flight - The winner of the round between Harold Crane, Flight Research, and Ray Goodman, West Machine, will meet Carl Sandahl, PARD, in the finals.

Second flight - In the semi-finals Bill Hadaway, 8-foot, meets Harold Johnson, Flight, and Earl Geringer, Electrical Service, plays Pat Kyle, IRD.

Third flight - Leslie Lassiter, Vibration and Flutter, meets Jim Ott in the finals.

Fourth flight - In the finals Harry Runyan, Vibration and Flutter, will play the winner of the match between Walter Illg, Structures, and Roland Tully, Instrument Construction.

Fifth flight - In the finals C. W. Miller, 7 by 10, will play the winner of the match between Don Johnson, Instrument Construction, and Ray Fisher, Flight.

TWENTY EMPLOYEES RECEIVE SERVICE EMBLEMS

(Continued from page 1)

Turbulence Branch; Henry A. Pearson, Maneuver Loads Branch; Robert C. Spencer, Instrument Research; and E. Floyd Valentine, Induction Aerodynamics.

Receiving 20-year pins were: Thomas R. Turner, 7 by 10-foot Wind Tunnels; Anshal I. Neihouse, Head of Spin Tunnel; Norman R. Richardson, Flight Instrument Application, Charles C. Shufflebarger, Gust Loads, and Ray H. Wright, Full Scale Analysis.

Fifteen year pins were presented to Howard Ferrall, Heat Treating and Orifice; Mark R. Nichols, Full Scale Research Division Office; Kenneth Singleton, Low Turbulence, and Edmund A. Vogt, Model Finishing Shop. Decker is a native Hamptonian.

He joined the Laboratory staff on September 24, 1925 as a general helper in the Engine Lab. He transferred to Lewis on April 17, 1945 and returned to Langley on May 3, 1948.

Buckley hails from Fitchburg, Massachusetts. He received his B.S. degree in Electrical Engineering from Rensselaer Polytechnic Institute and joined the Committee on June 30, 1930 as a junior mechanical engineer. He was appointed chief of IRD when the division was created on November 6, 1943. On January 26, 1948 he was named assistant chief of PARD and was again appointed chief of IRD on November 1, 1948.

Brevoort was born in Stockton, New York. He received his B.S. from Allegheny College, Meadville, Pennsylvania and his M.A. in Physics from the University of Nebraska. He joined the Laboratory staff on July 20, 1930 as an associate physicist at Physical Research and transferred to Gas Dynamics on November 21, 1949.

Tully was born in Glasgow, Scotland. He served his apprenticeship as a machinist in Glasgow and worked seven years at the Newport News Shipbuilding and Dry Dock Company before joining the Laboratory staff as a machinist at Flight Research on July 9, 1930. Since coming to Langley, he has worked at the Flight Maintenance and Repair, the Erection Shop, and the Machine Shop.

Alexander claims Hamden, Ohio, as his birthplace. He attended Hampton High School and worked for an electrical contractor for five years before entering on duty at the Laboratory as an electrician's helper on August 30, 1930.

Fournier was born in Providence, Rhode Island. He attended Rhode Island School of Design and Brown University. He served in the U.S. Army from January 31, 1916 to June 28, 1919 and joined the Committee on August 29, 1930 as a principal mechanical draftsman.

Garrick hails from Chicago, Illi-

nois. He received his B.S. in Mathematics from the University of Chicago and spent one year in graduate school at the University. He joined the staff on August 23, 1930 as a physicist in Physical Research. He was appointed Chief of Dynamic Loads Division on November 8, 1949.

Murden is a native of Newport News. He served his apprenticeship as a machinist at the Newport News Shipbuilding and Dry Dock Company and worked there fifteen years before joining the Langley staff on August 19, 1930 as a machinist at the Variable Density Tunnel.

Pearson was born in Gardner, Massachusetts. He received his B.S. degree in Mechanical Engineering from Worcester Polytechnic Institute. He entered on duty at the Laboratory on September 8, 1930 as a junior aeronautical engineer. He was appointed assistant division chief of Aircraft Loads on July 28, 1943 and head of Maneuver Loads Branch on July 11, 1949.

Spencer is a native of Judson, Indiana. He received his B.S. in Physics from Indiana State Teacher's College. He joined the Committee on September 26, 1930 as a Junior Physicist and transferred to Lewis on October 25, 1942. He returned to Langley on August 30, 1943 and was assigned to Full Scale Tunnel. He transferred to IAL in 1945 and was assigned to IRD in 1949.

Valentine claims Oyster Bay, New York as his birthplace. He received his B.S. in Mechanical Engineering from the University of California and joined the Laboratory staff on August 6, 1930 as a junior aeronautical engineer. He served as head of PRT until his transfer to IAL in 1943.

Turner was born in Bedford, Virginia. He graduated from Randolph Macon Academy and received his B.S. in Physics from Roanoke College. He entered on duty August 1, 1935 as a minor laboratory apprentice at AWT and transferred to 7 by 10-foot Wind Tunnels on June 10, 1946.

Neihouse was born in New York City. He received his B.S. degree in Electrical Engineering at Virginia Polytechnic Institute in 1930 and a Masters Degree the following year. He began his NACA career on September 3, 1935 and has been head of the Spin Tunnel since June, 1944.

Richardson is a native Virginian having been born in Waverley. He graduated from Suffolk High School and joined the Laboratory September 26, 1935 as a minor laboratory apprentice at the Propeller Construction Shop. In 1943 he graduated from the Apprentice School as

a mechanical draftsman and an aircraft modelmaker. During his NACA career he has worked at the Full Scale Tunnel, Spin Tunnel, Dynamic Model Shop and IRD.

Shufflebarger hails from Dublin, Virginia. He attended the Norfolk Division of William and Mary and joined the Committee on September 26, 1935 as a minor laboratory apprentice at Flight Research. He transferred to Aerodynamic Loads in 1940 and to Gust Loads in 1943.

Wright was born in Cox's Creek, Kentucky. He received his B.S. degree in Physics from Eastern Kentucky State Teachers College and his M.S. from the University of Kentucky. He entered on duty September 16, 1935 as a Junior Scientific Aide at PRT and transferred to 8-Foot in 1936.

Ferrall was born in Red Lodge, Montana. He graduated from Curtiss Wright Technical School and joined the Laboratory staff September 16, 1940 as an under aircraft modelmaker in the Propeller Construction Shop. He served in the U.S. Army from June 7, 1945 to October 13, 1946.

Nichols hails from Newark, Delaware. He received his B.S. in Aeronautical and Mechanical Engineering from Alabama Polytechnic Institute. He joined the Committee as a Junior Aeronautical Engineer at PRT on September 3, 1940. He was appointed head of PRT in 1946 and was transferred to the office of the chief of Full Scale Research Division in 1947.

Singleton hails from Washington, North Carolina. He attended Washington High School and worked 11 years as an automobile mechanic before joining the Committee on September 3, 1940 as a junior model surfer and finisher at Low Turbulence.

Vogt is a native of Philadelphia. He graduated from the Industrial Public Manual Training School in Philadelphia and joined the Committee on August 16, 1940 as a junior model surfer and finisher in the Carpenter Shop.

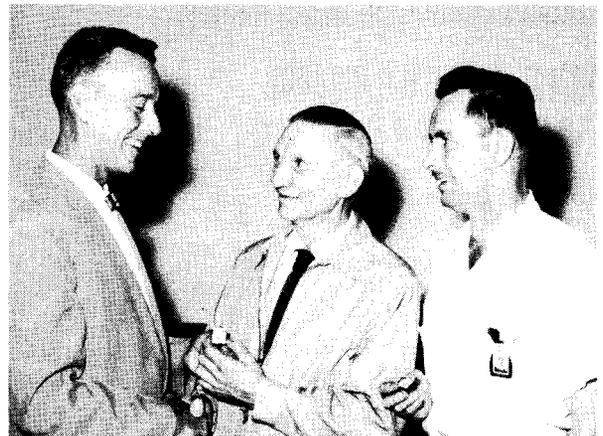
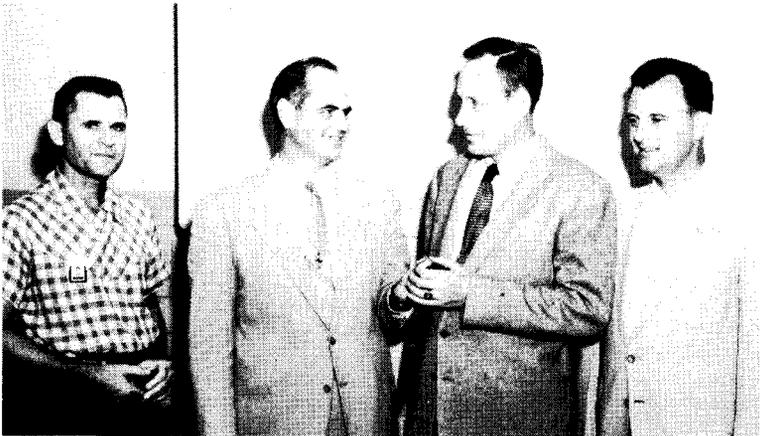
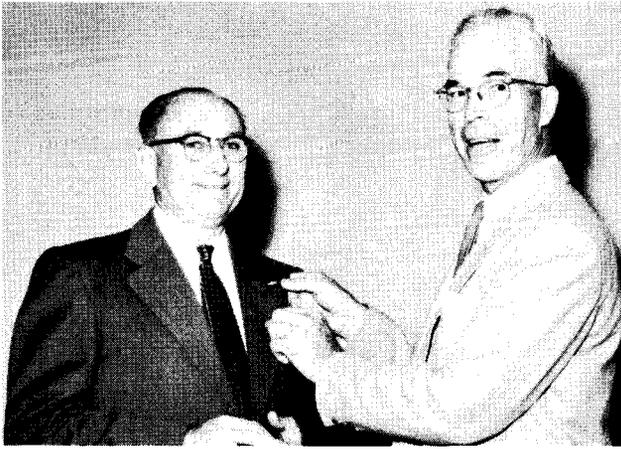
WANTED: Ride from Elizabeth Rd. to W.A. on 7:30 shift. Jackson 4571.

WANTED: Ride from Sussex Hilton to main hospital on 7:30 shift. Mrs. Stainback, NN-23757.

WANTED: Ride from Patrician Manor to W.A. on 7:30 shift. Ballard, 4687.

WANTED: Ride or driving combination from Cherry Acres to W.A. on 7:30 shift. L. Bryant, 4611.

WANTED: Ride or driving combination from Williamsburg to W.A. on 7 shift. Lane Beamer, 4587.



Twenty Laboratory employees recently received service emblems. Upper left - Dr. H. J. E. Reid, Director, pins a diamond-studded 30-year pin on the coat lapel of Clarence L. Decker. Upper right - Completing 20 years of service with the Committee are (from left): Anshal I. Neihouse, Thomas R. Turner, Ray H. Wright, and Norman R. Richardson. Center left - Eugene Draley (second from left) presented 15-year pins to Kenneth E. Singleton, Mark R. Nichols, and Percy E.

Garrington. Garrington's write-up appeared in the September 9 issue of Air Scoop. Center right - William B. Mayo presents 15-year pins to Edmund A. Vogt and Howard Ferrall. Lower picture - Receiving 25-year service pins were front row (from left): Robert C. Spencer, Benjamin F. Murden, Edgar J. A. Fournier, and I. E. Garrick. Second row - Alfred E. Alexander, Edmond C. Buckley, William P. Tully, E. Floyd Valentine, Henry A. Pearson, and Maurice J. Brevoort.



FIRE PREVENTION WEEK STARTS OCT. 9

Marvin Forrest, Chief of Maintenance Division and the Laboratory's fire marshal, announced this week that President Eisenhower has proclaimed the week of October 9 as Fire Prevention Week.

Forrest stated that during Fire Prevention Week all facilities will be inspected by the fire marshal and a representative from the Safety Office. Each facility will be inspected to determine if adequate fire prevention equipment is installed and in the proper place and to determine if any fire hazards exist.

During the week a number of fire prevention demonstrations will be presented by Paul F. Goetz, Fire Fighter, in both the East and West Areas.

Forrest pointed out that despite all that is being done to prevent fires, the cost per capita per year continues to rise. According to the National Board of Fire Underwriters the damages from fires cost \$3.91 per capita in 1946 as compared with \$5.17 in 1953. Smoking and matches cause the largest number of fires.

Every member of the Laboratory staff is in a position to prevent the cause of fires and each employee should familiarize himself with the location and use of fire extinguishing equipment.

It is important to remember, in reporting a fire, that information regarding the telephone number to be called and the number of the building where the telephone is located is printed on a circular disc on the dial of each Laboratory telephone.

WANTED: To buy collapsible twin baby stroller. Bailey, W-84412.

BOWLING NEWS

IRD-PARD BOWLING LEAGUE

Skyhooks won all three games to remain in first with a perfect record of 6 wins. Roland Tully rolled high scores for the men with a 134 game and 366 set. Tops for the women were Marge Zender with a 120 game and C. Woolard with a 304 set.

STANDINGS

Team	W	L	Avg.
Skyhooks	6	0	1.000
Pinbusters	8	1	.888
Missiles	5	1	.883
Terrorpins	5	4	.555
Jets	4	5	.444
New Leafers	4	5	.444
Nicki-Hokeys	4	5	.444
Goofballs	3	6	.333
Hi-g's	2	7	.222
RALPH	1	8	.111

TENPIN LEAGUE

The Fivers took over first place this week with 8 wins and 1 loss. Top scores for the men were rolled by Bob Horstmann with a 230 game and Larry Edwards with a 623 set. Tops for the women was Mary Tysinger with a 179 game and 503 set.

STANDINGS

Team	W	L	Avg.
Fivers	8	1	.889
Hornets	7	2	.778
Spare Oops	5	4	.556
Flight	4	5	.444
Rockets	4	5	.444
West End	3	6	.333
Pinbusters	3	6	.333
Fiscal Wrecks	2	7	.222

MONDAY DUCKPIN LEAGUE

West Machine III won all three games to move into a tie for first place with East Machine I. Top scorers for the men were Herb Cunningham with a 153 game and 390 set and Ed Swansey with a 153 game and 391 set. Tops for the women were Vera Huckel with a 108 game and Nan Harrison and Helen Thompson with a 289 set.

STANDINGS

Team	W	L	Avg.
East Machine I	8	1	.889
West Machine III	8	1	.889
Vibrators	6	3	.667
Stores Branch	6	3	.667
West Model I	5	4	.556
Fabrication	3	6	.333
Fibs	3	6	.333
PARD	2	7	.222
Structures	2	7	.222
East Machine II	2	7	.222

WEDNESDAY SPORTS BOWL LEAGUE

16-Foot won three games to remain in first place this week with 8 wins and 1 loss. Chuck Whitcomb took high scoring honors for the men with a 341 set and Jean Lambroff rolled high set for the women with a 305.

ABC of FIRE CONTROL

keep equipment ready

know how to turn in alarm

learn how to use equipment

ARCHERY CLUB ELECTS OFFICERS

An organizational meeting of the NACA Archery Club was held at the Activities Building last week.

Officers elected for the year are as follows: Harry R. Clason, East Photo Lab, president; Norma Livesay, Central Files, secretary, and Maxwell McNear, IRD, treasurer.

The next meeting will be held on Tuesday, October 11 at 7:30 p.m. Instruction in bowmanship and practice shooting is scheduled for this meeting. Equipment will be available.

All interested employees are urged to attend.

FOR SALE: Spinning outfit, Airex, Mastereel and Shakespear wonderod. Wilson, NN-43360.

STANDINGS

Team	W	L	Avg.
16-Foot	8	1	.889
West Model 2	5	4	.556
Rebel Bombers	4	5	.444
Hotshots	4	5	.444
I.A.B.	4	5	.444
Tankers 2	4	5	.444
Const. Eng.	4	5	.444
West Machine 2	3	6	.333

MONDAY SPORTS BOWL LEAGUE

Scotch and Tapers continue to lead the league with a perfect record of 6 wins and no losses. High scores were rolled by William Letko with a 134 game and 377 set and May Meadows with a 117 game and 339 set.

STANDINGS

Team	W	L	Avg.
Scotch and Tapers	6	0	1.000
Free-Flight Flyers	4	2	.667
Gas Dynamics II	4	2	.667
Loads	5	4	.556
Flight	4	5	.444
Gas Dynamics I	3	6	.333
Tank I	1	8	.111



In a best-two-out-of-three series, the Fast-Pitch All Stars won out over the Slow-Pitch All Stars. Members of the winning team in the photograph on the left are front row (from left): Caldwell Johnson, George Palko, Joe Ritchie, and Russell Clickner. Second row - Clem Welsh, Charles Ruhlman, Charles Folwell, Osborne Davis, Jim Justice, Shelby Copeland, and George Veneris. Shown in the photo on the right are members of the Slow-Pitch All Star team. They are front row - Ben Free-



man, W. R. Whipkey, Joe Italiano, Ted Skopinski, and Bill Petynia. Second row - Virginia Fox, scorekeeper, Ray Zedekar, Albert E. von Doenhoff Jr., Pete Korycinski, Bill Aiken, Dick Kurtz, Pel Phillips, and Tom Cooney. Not present when the pictures were taken were: Howard Bright, Orian Moss, and Walter Illg, members of the Fast-Pitch All Star team, and Frank Kawalkiewicz and Gene Moen, members of the Slow-Pitch All Star team. --Photos by Bill Taub

SOFTBALL NEWS

In a best-two-out-of-three series, the Fast-Pitch All Stars, managed by George Veneris, won out over the Slow-Pitch All Stars, managed by Ted Skopinski. The first game was played under slow-pitch rules and was won by the slow-pitch team 9 to 5. Skopinski, Flight, was the winning pitcher and Russell Clickner, PARD I, the loser. Dick Kurtz, 16-foot, hit a home run and Charles Ruhlman, PARD I, had a perfect day with a hit for every trip to the plate.

The second game, played under fast-pitch rules, was won by the fast-pitch team 9 to 2. Clickner was the winning pitcher and Skopinski the loser. Osborne Davis and George Palko, Fabrication Shop, hit home runs while Jim Justice, Fabrication, and Clem Welsh, PARD I, hit doubles.

The third game was played under compromise rules. Each team played its own rules when in the field and the other team's rules when at bat. The game was won by the fast pitch team 5 to 4 with Joe Ritchie, Fabrication, the winning pitcher, and Skopinski the loser. In 4 times at bat Welsh, PARD I, had 3 hits including two doubles, scored twice and was credited with 2 runs batted in. Illg, Structures, and Davis hit doubles. Pat Gainer, Flight, had a hit and two walks in three times at the plate and was credited with one run batted in. The fast-pitch team executed three double plays. Plate umpires were Harold Hamer, Flight, for the first game; Charles Folwell, West Machine Shop, the second game, and Veneris,

KIDS' DAY

(Continued from page 1)

the activities will start at 2:30 but she urged that parents arrive a few minutes early so the big show can start on time.

Tickets may be purchased from the district representatives for 60 cents for adults and 50 cents for children. Tickets will also be available on the grounds. Children under three years of age and accompanied by one parent do not have to have tickets; however, the parent will be required to purchase one.

In the event of rain, the children's field day will be postponed until Saturday, October 22.

WANTED: Driving combination from Bellview Terrace to W.A. on 8 shift. Reed, 4471.

WANTED: Ride or driving combination from Southampton to E.A. on 8 shift. Baisden, 2276.

WANTED: Alternate driver from Southampton to E.A. on 8 shift. Sherwood, 2377.

FOR RENT: 1 bedroom furnished cottage. Mrs. Foster, H-8292.

Fabrication Shop, the third game. Virginia Fox, Flight, was scorekeeper.

At the end of the regular season Fabrication Shop took first place in the Fast-Pitch League with PARD I only one game behind. In the Slow-Pitch League 16-foot and Flight ended in a tie and the one game tie-breaker was won by 16-foot.

ABE SILVERSTEIN TO ADDRESS I.A.S.

Abe Silverstein, Associate Director of the Lewis Laboratory and former head of the Langley Full Scale Tunnel, will speak at a meeting of the Hampton Roads Section of the Institute of the Aeronautical Sciences on Tuesday, October 18 at 8 p.m. in the Projection Room, Administration Building. Silverstein's talk will concern recent propulsion problems and their effect upon airplane design.

The meeting will be classified confidential and clearance to attend the meeting must be obtained from Emmanuel Boxer, Cascade Aerodynamics. Preference for permission to attend will be given to I.A.S. members but non-members will be cleared in order of their application. The total attendance will be limited to 130.

WANTED: Ride from Todds Lane and Hudson Terrace to W.A. on 8 shift. Hall, 4427.

WANTED: Driving combination from vicinity of Pear and Cherry Aves. to E.A. on 8 shift. Gracey, 2393.

FOR RENT: 4 room and 3 room apartments. Mrs. Weslow. H-32670.

FOR RENT: Room for working couple. Mrs. Johnson, H-4124.

FOR RENT: Room with home privileges. Mrs. Spence, H-35716.

FOR RENT: Room for gentleman. Mrs. Bomar, NN-43971.

BLOODMOBILE VISIT SET FOR OCT. 19

The Red Cross Bloodmobile will again visit the Laboratory on Wednesday, October 19. The quota for this visit to the Activities Building is 150 pints of blood.

Last year Langley employees donated over 1,000 pints of blood in six visits of the Bloodmobile to the Laboratory. Well over 100 of the staff members are "gallon clubbers."

For the information of new staff members, any employee between 18 and 60 is eligible and invited to take part in this program. Those in the 18 to 21 year old group must have the written consent of a parent or guardian.

Registration for the program may be made by calling the East Dispensary, 2243, or by dropping a note in the distribution stating the desire to give blood.

A careful history is taken from each employee volunteering at the time he reports for blood donation and he is checked by a physician or a registered nurse specially trained for this duty. Medical authorities state that any normal person in good health can give blood as many as five times a year.

No charge is ever made to the patient for this blood. All local hospitals are now using blood from this Red Cross program. Not only is the blood furnished without cost but a supply of blood of the correct type is ordinarily on hand or readily available when needed in an emergency.

In addition to new staff members there are hundreds of veteran members of the staff who have not been giving blood and may wish to join this life-saving group of donors. These are also urged to register as blood donors.

WANTED: Man to share 3 bedroom Cherry Acres home with 2 bachelors. Hollinger, H-7039 after 5.

FOR RENT: 3 room furnished apartment for 2 or 3 gentlemen. Mrs. Lawson, NN-43934.

FOR RENT: 2 bedrooms near Wythe. Mrs. Hearn, NN-26249.

FOR RENT: Room for young man. Mrs. Holt, NN-21284.

WANTED: Girl to share apartment. Marsh, H-5120.

FOR RENT: Room with private bath and entrance for couple or girls. Mrs. Norfleet, H-5392.



Melvin N. Gough (right), chairman of the Laboratory's United Fund Drive last year, gives the 1955 campaign a boost by being the first contributor in the Flight Research Division. Eloise McGehee, campaign solicitor, accepts the former chairman's pledge card as Frank Kawalkiewicz, division chairman, looks on.
--Photo by Walter Sopstyle

ADULT EDUCATION COURSES OFFERED

The Adult Education Department at Hampton High School announced that two typing courses will start next week and the course in Basic Electronics for Aircraft Mechanics with Alfred Jones, IRD, as instructor will start on Monday, October 10 at 7 p.m.

Courses expected to start as soon as registration quotas are reached include: Bookkeeping, Beginning and Advanced Shorthand (dictation), Applied English, American and English Literature, Public Speaking, Home Builders Forum, Family Finance (budgeting), Current History, U. S. History, World History, Beginning and Advanced Sewing, Interior Decorating, French, Spanish, Algebra I and II, Plane and Solid Geometry, Trigonometry, Art I and II, Drafting, Blueprint Reading, Electronics I, Shop Sketching, Strength of Materials, and Theory of Electricity.

Persons interested in these courses are requested to register on Monday, October 10 between the hours of 7 p.m. and 8:30 p.m. at the Registration Desk near the Victoria Boulevard entrance to Hampton High School.

FOR RENT: Furnished apartment in Buckroe. Queijo, NN-22771.

FOR RENT: Room with private bath. Mrs. Pullen, H-4092.

WANTED: Dalmation puppy. Clem, Hampton 5870.

FOR RENT. Room. Mrs. H. W. Thorpe, Hampton 3-3617.

FEDDEN CREDITS MUCH OF AVIATION PROGRESS TO NACA

In a recent discussion of the "astonishing technical and production advances" made by the American aviation industry in the past several years, a British observer gives much of the credit to the National Advisory Committee for Aeronautics.

Sir Roy Fedden, three times president of the Royal Aeronautical Society and formerly aircraft adviser to the North Atlantic Treaty Organization, described the NACA as "one of the finest and most selfless bodies in existence in its own particular sphere."

Writing in the September 12 issue of the London Daily Telegraph and Morning Post, Fedden complimented NACA staff members for their devotion to duty and pictured the NACA organization as "one integrated whole, pulling together, which builds up leadership and enthusiasm which count for so much in research."

The British scientist visited the Ames Laboratory during the Triennial Inspection there, and toured the NACA's High-Speed Flight Station at Edwards. During his stay in America, he saw a number of aircraft factories and military bases and attended the Fifth Anglo-American Aeronautical Conference in California.

Fedden called America's approach to aviation "enthusiastic, spontaneous, and bold. When a decision is made, there is no 'looking over the shoulder' or vacillation. When a mistake is made, it is faced up to and prompt action taken."



BISPLINGHOFF NAMED WRIGHT LECTURER

Raymond L. Bisplinghoff, professor of aeronautical engineering at Massachusetts Institute of Technology, Cambridge, Mass., has been invited by the Institute of the Aeronautical Sciences to deliver the Wright Brothers Lecture this year. He is a member of the NACA's Subcommittee on Aircraft Structures, a former member of its Committee on Aircraft Construction, and former chairman of its Subcommittee on Vibration and Flutter.

Announcing the honor, the IAS said Professor Bisplinghoff has chosen as his topic "Some Structural and Aeroelastic Considerations of High-Speed Flight."

As usual, the lecture is scheduled for December 17, the anniversary of the Wright Brothers' flight at Kitty Hawk 52 years ago. It is an affair that traditionally attracts many of the nation's leading

(Continued on page 4)

TURKEY SHOOT NOVEMBER 5

The Activities Association's Annual Thanksgiving Turkey Shoot will be held Saturday, November 5 at the Activities Building.

The shoot will get underway 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 and television will be available.

\$35,619 DONATED TO UNITED FUND

As the Laboratory's Annual United Fund Drive neared completion, 98 per cent of the Laboratory staff had donated a total of \$35,619.60 for an average contribution of \$11.94.

Last year 98.6 per cent of the staff donated a total of \$33,028 to the fund for an average contribution of \$11.46.

Anshal I. Neihouse, campaign chairman, announced that all active solicitation was completed during the one-day drive on Friday, October 7 when staff members donated a record total of \$33,414.12. However, a number of employees on extended leave, sick leave, and odd shifts have expressed a desire to contribute to the fund and solicitors will continue to accept donations until the end of the month.

A chart showing the amount contributed, the average contribution, and the percentage of participation by divisions is printed on page 2 of this issue.

I.A.S. MEETING PLANNED NOV. 1

The Hampton Roads Section of the Institute of the Aeronautical Sciences will meet on Tuesday, November 1 at 8 p.m. in the Projection Room of the Administration Building. Two representatives of the Ryan Aeronautical Company, Robert A. Fuhrman, Chief of Technical Section of the Engineering Division, and John N. Herald, Head of Development Planning and Military Relations, will address the group on "Some Considerations of Design and Applications of Jet VTO Type Aircraft."

The meeting will be classified confidential and clearance to attend must be obtained from A. L. Braslow, Low Turbulence. Preference for permission to attend will be given to I.A.S. members but non-members will be cleared in order of their application.



Abe Silverstein, Associate Director of the Lewis Laboratory, was guest speaker Tuesday at a meeting of the Hampton Roads Section of the Institute of the Aeronautical Sciences. Shown above are (from left): Thomas L. Fischetti, Charles H. Zimmerman, Albert L. Braslow, Emanuel Boxer, Silverstein, Lewis R. Fisher, Dr. Franklin W. Diederich, and James P. Shivers.

Air Scoop, October 21, 1955
Vol. 14, 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, 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, two ounces on Saturday, October 15 was Marjorie Catherine, new daughter of Elizabeth, formerly of 7 by 10-foot Wind Tunnels, and Jack Dodgen, Instrument Research Division.

The Langley Yacht Club.

will meet on Tuesday, October 25 at the Special Service Boathouse. A clam bake will be held at 6:30 p.m. followed by a business meeting. Included on the agenda will be the election of officers for the coming season. All members are urged to attend.

Diaper Line.

During his travels the stork stopped by the Paul L. McConnell household on Monday, October 17 and delivered a new son. The proud father works in Instrument Construction.

Congratulations.

to three Lewis employees who recently received service emblems for their long service with the Committee. Samuel Reiss, Translation Section, was awarded his 20-year pin. He started his NACA career in 1935 at the Langley Laboratory, transferred to Washington Headquarters in 1937 and was assigned to Lewis in 1943. Receiving 15-year pins were Myron Pollyea, Chief of Electrical Engineering, and Harold Gold, Controls Section. Both began their NACA careers at Langley in 1940 and later transferred to Lewis.

UNITED FUND CAMPAIGN

CURRENT DIVISION STANDINGS

<u>Division</u>	<u>Amount Contribution</u>	<u>Average Contribution</u>	<u>Percentage of Participation</u>
Admin., Tech. Service	\$ 325.00	\$17.11	100
Compressibility	\$3,063.50	\$13.40	97.03
Dynamic Loads	\$2,049.50	\$18.98	100
Electrical Service	\$1,198.00	\$ 9.58	97.7
Engineering Service	\$2,464.75	\$12.70	95.6
Fiscal	\$ 493.80	\$10.51	100
Flight Research	\$2,272.08	\$13.13	99.4
Full Scale	\$3,032.13	\$14.37	100
General Service	\$1,219.75	\$ 7.82	98.1
Hydrodynamics	\$ 707.50	\$14.15	100
Instrument Research	\$3,822.66	\$12.14	99.4
Maintenance	\$1,668.50	\$ 7.58	96.07
Mechanical Service	\$4,667.30	\$ 8.06	92.2
Office of Director, Res. Serv.	\$1,283.62	\$24.22	94.6
Personnel	\$ 533.00	\$12.11	100
PARD	\$1,498.51	\$13.87	99.1
Procurement	\$ 573.00	\$ 8.07	100
Stability	\$2,400.00	\$18.18	100
Structures	\$1,177.00	\$15.91	94.9
Theoretical Mechanics	\$ 629.00	\$18.50	89.5
Unitary Wind Tunnel	\$ 541.00	\$13.19	97.6
TOTAL	\$35,619.60	\$11.94	98



Dr. Franklin W. Diederich, Head of Dynamic Loads Analysis Section, will direct the NACA Male Chorus in their Pops Concert on November 9.

TICKETS AVAILABLE TO POPS CONCERT

The Activities Association will present the NACA Male Chorus in a Pops Concert on Wednesday, November 9 at 8 p.m. in the Activities Building.

Tickets are now available from district representatives for fifty cents. Children under 12 will be admitted free.

The chorus is under the direction of Dr. Franklin W. Diederich, head of Dynamic Loads Analysis Section.

Dr. Diederich was born in Dusseldorf, Germany, and his musical career began at the early age of four when he started studying piano. At the age of seven he took up violin and at 11 he was playing the organ. He was in a number of piano and violin recitals from 1935 to 1938 and directed and produced several musical plays in summer camp in Belgium.

He came to the United States in 1938 and studied violin at the Mannes Music School in New York from 1938 to 1939. During this same year he worked as an accompanist for singers and instrumentalists in New York.

Somewhere along the way Dr. Diederich decided to give up his musical career and following his graduation from George Washington High School in New York he entered the engineering school at Cooper Union where he received his B.S. in 1943. The following year he earned his M.S. from New York University.

He entered on duty September 4, 1945 as an Aeronautical Engineer in Gust Loads Section. He went on graduate study leave from 1951-1952 and received his Doctor's degree in Aeronautics and Mathematics from California Institute of Technology in June, 1954.

BOWLING NEWS

TENPIN LEAGUE

Fivers won two games to take over first place with 11 wins and 4 losses and Hornets dropped to second with 10 wins and 5 losses. High scores for the men were rolled by Bob Sommers with a 243 game and Jack Grames with a 586 set. Tops for the women were Mary Tysinger with a 182 game and Lucille Blanco with a 510 set.

STANDINGS

Team	W	L	Avg.
Fivers	11	4	.733
Hornets	10	5	.667
Flight	8	7	.533
West End	7	8	.467
Spare Oops	7	8	.467
Pinbusters	7	8	.467
Rockets	6	9	.400
Fiscal Wrecks	4	11	.267

WEDNESDAY SPORTS BOWL LEAGUE

16-Foot won one game to retain the lead by a close margin of one game. High scores for the men were rolled by R. Kimlock with a 131 game and R. Adcock with a 349 set. Georgene Miltonberger lead the women with a 118 game and 305 set.

STANDINGS

Team	W	L	Avg.
16-Foot	10	5	.667
Rebel Bombers	9	6	.599
Hotshots	9	6	.599
LAB	7	8	.466
West Machine 2	7	8	.466
Tankers 2	6	9	.340
Const. Eng.	6	9	.340
West Model 2	6	9	.340

IRD-PARD BOWLING LEAGUE

Skyhooks lost two games to mar their perfect record this week but still remain in first place with 10 wins and 2 losses.

STANDINGS

Team	W	L	Avg.
Skyhooks	10	2	.833
Missiles	9	3	.750
Jets	10	5	.666
Pinhookers	8	7	.533
Goofballs	8	7	.533
Nicki-Hokeys	7	8	.466
RALPH	6	9	.400
New Leafers	6	9	.400
Terrorpins	5	10	.333
Hi-g's	3	12	.200

MONDAY SPORTS BOWL LEAGUE

Free-Flight Flyers won all 3 games to move into first place with 10 wins and 2 losses. High scores were rolled by Henry Lee with a 146 game and 354 set, Frances Rose with a 116 game and Gay Gilbert with a 304 set.

Team	W	L	Avg.
Free-Flight	10	2	.833
Scotch and Tapers	9	3	.667
Flight	7	8	.467
Gas Dynamics II	5	7	.417
Gas Dynamics I	5	7	.417
Loads	6	9	.400
Tank I	3	9	.250

BIG SHOT

You can't tell *him* how to do his job.

He doesn't need guards and safety devices.

Rules are meant for the other fellow, not for him.

Just too big for his britches!

The grandstand player never gets far in sports—or on the job, either!



FOR SALE: Taylor Craft BC-65 double clamp trailer hitch. Kent. W-85694.

FOR SALE: Model AR-88D RCA short wave receiver with 12-inch dynamic speaker 54OKC to 32MC. Hankins, Hampton 37150.

FOR SALE: Male Toy Terrier. Burns, Warwick 81629.

FOR SALE: Male and female puppies. Champagne, W-80688.

FOR SALE: Sears concrete mixer. Nagy, W-82755.

FOR SALE: 7 room house with washer, dryer, and stove, Styles, H-32636.

MONDAY DUCKPIN LEAGUE

East Machine I continues in first place with 14 wins and 1 loss and Stores Branch trails in second with 10 wins and 5 losses. John Dupere rolled top scores for the men with a 130 game and 333 set and Shirley Leonard led the women with a 125 game and 329 set.

STANDINGS

Team	W	L	Avg.
East Machine I	14	1	.933
Stores Branch	10	5	.667
West Machine III	9	6	.600
Vibrators	8	7	.533
PARD	6	9	.400
Structures	6	9	.400
West Model I	6	9	.400
Ribs	6	9	.400
East Machine II	5	10	.333
Fabrication	5	10	.333

SPORTSMEN'S CLUB MEETS WEDNESDAY

Sports enthusiasts are reminded that an organizational meeting of the NACA Sportsmen's Club will be held Wednesday at 7:30 p.m. in the Activities Building.

Russell Clickner, Chairman of the Activities Committee of the Activities Association, stated that the club is being organized for employees interested in bird, game, and duck hunting; deep sea plug and fly fishing, rifle and skeet shooting, camping, outdoor sports for men and women, sports smokers and movies from the world of sports.

The club is being organized as a result of the questionnaire distributed to NACA personnel by the Activities Association. In the event there are not enough people present at the organizational meeting, this activity will be dropped from the prospective activity list of the Association.

ADULT EDUCATION

The Adult Education Department at Hampton High School announces that courses in Art, Interior Decorating, and Applied English are being organized under the Adult Education program.

Beginning Art will be a practical course in charcoal and pencil media and will start on Monday, October 31. Advanced Art will include a study of oils and water color techniques and will start on Thursday, October 27. Both courses will meet from 7 to 9 p.m.

Interior Decorating will meet on Monday, October 31 at 7:30 p.m. and Applied English will start Thursday, October 27 at 7 p.m.

Registration for the courses will be accepted on Monday and Thursday evenings at the Victoria Boulevard entrance to the high school.

ARCHERY CLUB

There will be a short business meeting of the NACA Archery Club on Tuesday, October 25 at 7:30 p.m. at the Activities Building followed by instruction in bowmanship and practice shooting. A new target has been erected which will accommodate a much larger number of bowmen.

Employees have been asked not to use the range on working days during the hours of 8 a.m. to 4:30 p.m. until proper safety precautions have been installed.

FOR SALE: Air-o-flame 5 room oil heater - \$25, 150 gallon oil tank - \$10, Westinghouse electric range - \$35. Veryzer, H-34728.

AMES EMPLOYEES RECEIVE EMBLEMS

Three senior employees of the Ames Aeronautical Laboratory have been honored upon completing thirty years of service with the NACA.

They are Edward W. Betts, Raymond E. Braig, and C. G. Glass, all of whom began their NACA careers at Langley in 1925. When the NACA set up Ames Laboratory as a major West Coast research center in 1940 they were transferred there to help establish the new installation.

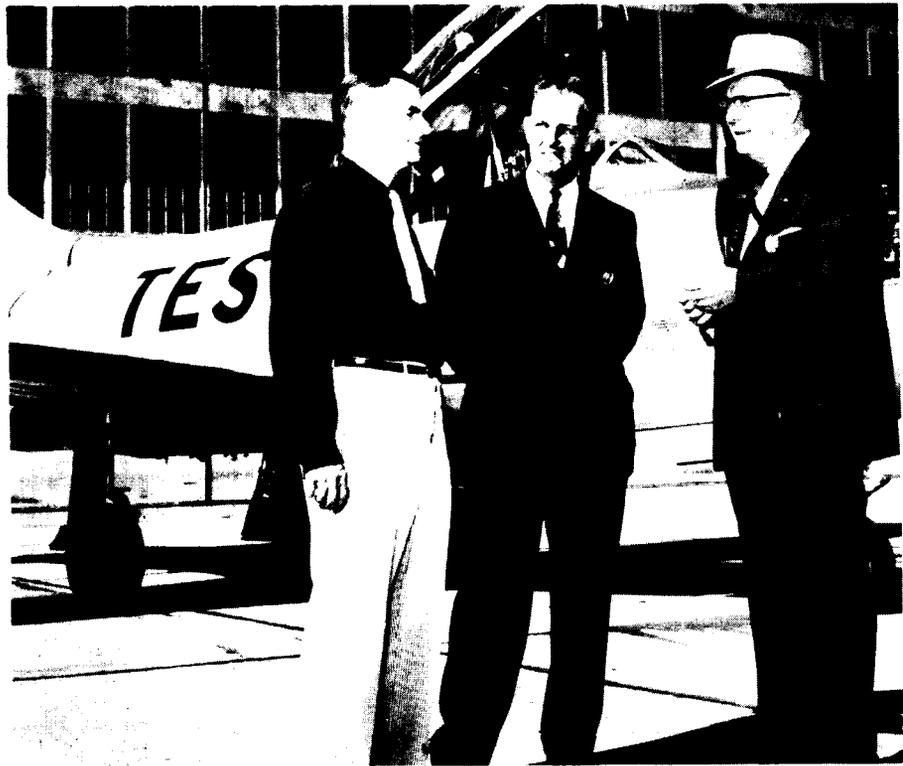
Dr. John F. Victory, NACA Executive Secretary, presented each man with the NACA's diamond-studded Meritorious Service pin.

Betts, a native of Crisfield, Maryland, is now Chief of the Laboratory's Technical Services Division, including the Machine Shop, Model Construction Shop, Aircraft Modification Branch, Aircraft Services Branch, Aircraft Inspection Branch, Model Finishing Branch, Aviation Sheetmetal Branch, Structural Fabrication Branch, Maintenance, and Transportation. He first joined the staff at Langley as a machinist. When the Ames Laboratory was founded in 1940, Betts was given the job of planning and purchasing the machinery needed for the mechanical shops at the new research center. He then came to the Ames Laboratory to set up the shops and be their Superintendent. Betts and his wife live in Los Altos.

Braig, who was born in West Point, New York, is Assistant Chief of the Technical Services Division in charge of the fleet of research airplanes operated by the Ames Laboratory. He began his career with the NACA as an aero mechanic helper in the Flight Research Division at Langley. Since that time he has specialized in aircraft maintenance and operations and is regarded as one of the outstanding authorities in his field in the United States. Mr. and Mrs. Braig make their home in Palo Alto. Their daughter, Kay, is a sophomore student at the University of California.

Glass, an Instrument Maker Group Leader at the Laboratory, lives in San Jose. A native of Clifton Forge, Virginia, he began his service with the NACA as an Instrument Maker at Langley. High precision instruments are necessary to obtain data from aerodynamic tests in wind tunnels and in flight and Glass' entire career has been devoted to the construction and maintenance of the many complex devices required in the research program.

FOR SALE: Crosley station wagon. Talbott, Seaford 4422.



Thirty-year service pins were presented to three former Langley employees at a dinner held recently by their associates at the Ames Aeronautical Laboratory. They are (from left): C. G. Glass, Instrument Maker Group Leader; Raymond E. Braig, Assistant Chief of Technical Services Division, and Edward W. Betts, Chief of the Technical Services Division.

WRIGHT LECTURER

(Continued from page 1)

aeronautical engineers and research scientists.

The Nineteenth Wright Brothers Lecture will take place at 3:30 p.m. Saturday, December 17, in the auditorium of the U.S. Chamber of Commerce Building, Connecticut Avenue and H Street, N.W., Washington, D.C. The annual lecture is sponsored by the IAS.

To accommodate IAS members in the West and mid-West, Professor Bisplinghoff will repeat the lecture on Tuesday, December 20 at 8 p.m. at the IAS Building in Los Angeles and on Thursday, December 22 at 8 p.m. at the NACA's Lewis Flight Propulsion Laboratory.

Professor Bisplinghoff, who is director of the Aeroelastic and Structures Research Laboratory of M.I.T.'s Department of Aeronautical Engineering, said his paper will review the demands of high-speed flight upon aircraft structures, and will summarize some of the analytical and experimental methods available to meet these demands.

"The dominating factors in structural design of high-speed aircraft are thermal and aeroelastic in origin," he said. "I will discuss these factors and their interrelation with one another. The major part of the paper will be devoted to

structural and aeroelastic problems of manned aircraft of the immediate future."

With several supersonic military planes now flying, or in production, discussion of structural problems is a favorite topic among aeronautical engineers.

A native of Hamilton, Ohio, Professor Bisplinghoff was graduated from University of Cincinnati in 1940 and remained there for three years of graduate work. Before joining the M.I.T. faculty in 1946, he was an engineering officer in the Navy's Bureau of Aeronautics, Washington, conducting and supervising research in applied loads and structural dynamics problems associated with military aircraft.

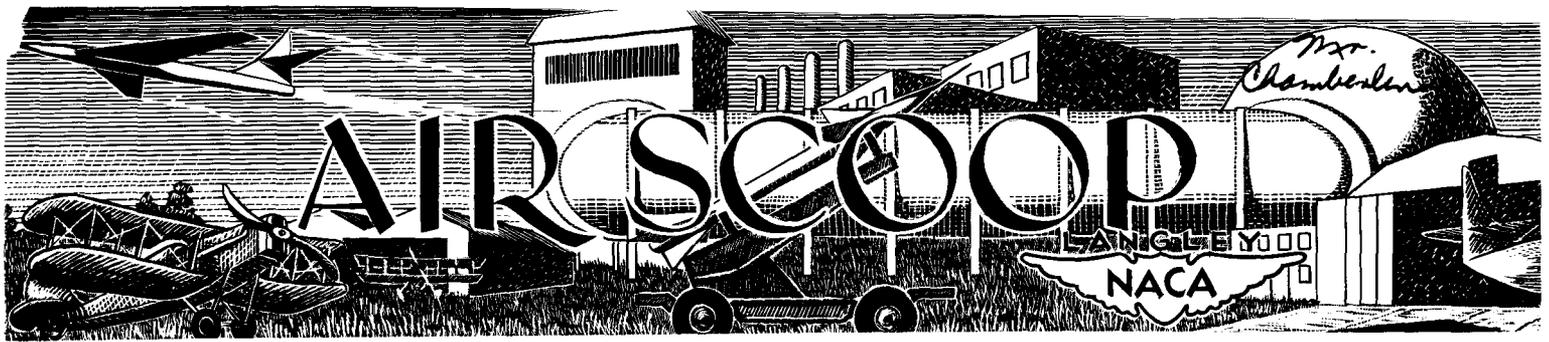
Professor Bisplinghoff has served as a consultant to the Air Research and Development Command of the Air Force, the Armed Forces Special Weapons Project, and several aircraft manufacturers. He is an associate fellow of the IAS.

FOR SALE: 3 bedroom house in Stuart Gardens. Bullock, NN-27429.

FOR SALE: Four 600 by 16 tires - \$20. Premo, 205 Frank Lane, Warwick.

FOR SALE: 1955 19-foot house trailer. Richardson, H-38838.

FOR SALE: 1950 Ford V-8 - \$450. Schock, H-35619.



PLAN ANNUAL TURKEY SHOOT

As was announced last week, the Activities Association's annual Thanksgiving Turkey Shoot will be held Saturday, November 5 at the Activities Building.

The all day affair will start at 9 a.m. and continue until 5:30. No admission will be charged other than fifty cents for each shot.

There will be plenty of matches during the day with the winner of each match receiving a turkey.

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 3/4 drams for powder and number 8 for shot.

In order to give everyone an equal chance to win a turkey, controlled chokes for shot guns will not be permitted.

194 EMPLOYEES DONATE BLOOD

James C. Tingle, Health Officer, announced that Laboratory employees donated 194 pints of blood when the Hampton Red Cross Bloodmobile made its fourth visit of the year to the Laboratory last week. The quota for the visit had been set at 150 pints.

Charles E. Rogers Jr., East Machine Shop, donated his 16th pint of blood to join the ranks of two-gallon donors.

Receiving one-gallon pins were the following: Roland Olson, Tank I; Harry Heyson, Full Scale Tunnel; H. F. Heidler, IRD; George Jones Jr., Low Turbulence; Roland Tully, Instrument Construction; Peter Pavlik, Technical Illustrators; Paul Culotta, Instrument Research; Ralph Chanfrau, West Engineering; Don Hewes, Free Flight Tunnel; Charles E. Heath, East Engineering; William J. Lawton, West Model Shop, and James J. Fay, West Machine Shop.

Air Scoop, October 28, 1955
Vol. 14, Issue 43

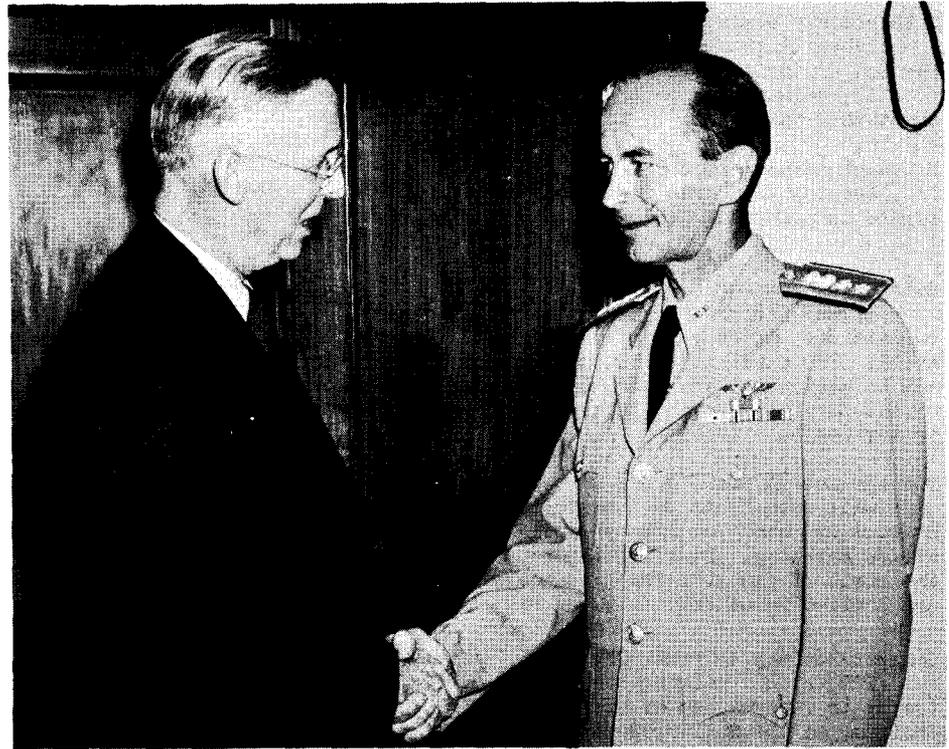
DR. REID THANKS STAFF

Once again it becomes my privilege to congratulate the Laboratory on another commendable effort in the interest of community welfare. The \$35,682.10 collected during this year's United Fund Drive from 98.04 per cent of the staff is more than \$2,000 in excess of the amount realized in last year's successful campaign, an indication that our unified collection plan is rapidly "coming of age."

I am especially proud of the staff in its demonstration of the one-day drive idea. The \$33,414 collected on Friday, October 7, in an intensive opening day solicitation, represented more than 93 per cent of the total amount contributed during the campaign. This spontaneous acceptance of the United Fund is an encouraging sign of the program's continuing success at the Laboratory.

Great praise is due Anshal I. Neihouse, campaign chairman, for his untiring efforts on behalf of this worthwhile community undertaking. His initiative, leadership, and enthusiasm was coupled with a most able support received from a competent group of workers, all combined to push the drive to a swift and successful conclusion. I offer my thanks to all concerned for a job well done.

✈ ✈ *A. J. Reid* ✈ ✈



Dr. John F. Victory, Executive Secretary, congratulates Rear Admiral Carl J. Pfingstag, USN, Assistant Chief for Field Activities, Bureau of Aeronautics, Department of the Navy, after swearing him in recently as a Committee member.

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Editor.....Ruth Angel Verell
Staff Photographer.....Bill Taub
Reporters.....Langley Employees

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LIFE AT THE LABORATORY

Wedding bells.

will ring tomorrow when Benson Johnson, 8-Foot Transonic Tunnel, takes his final vows with Ethel Hall, Messick, at the Trinity Methodist Church in Messick. Anna Lou Lockard, Stenographic and Clerical Section, will be matron-of-honor, and Billy Rollins, West Sheetmetal Shop, will be an usher.

Diaper Line.

Celebrating the arrival of a new son on Thursday, October 20 is Herbert R. Henderson, Instrument Research Division.

Another proud father.

who is passing out cigars and candy is John Denton, West Machine Shop. He recently became the father of a daughter.

The pay day game night.

which was scheduled for Thursday, November 3 has been cancelled because of a conference which is using the Activities Building and the next game night will be held on November 17.

A Laboratory romance.

recently reached the engagement stage when Jo Ann Hardin, Editorial Office, announced her engagement to Bill Hadaway, 8-Foot Transonic Tunnel. The big event will take place in April.

Midnight serenader.

Keeping the Cornelius Driver household awake nights is a daughter who arrived on Friday, October 21.

Swing your partner.

Barney Taylor will conduct a square dance class on Saturday, October 29 at 8 p.m. at St. Rose's in Wythe. The class is designed to instruct beginners and to help those who have square danced to brush up on the figures. Anyone interested in square dancing is invited to attend.

The IRD Social Club.

will open their fall activities with a Sadie Hawkins Day dance on Friday, November 4 at the Activities Building. Dancing will be from 9 to 12 to the music of the J.C. Trio and members of the club are invited to attend.

Congratulations to Frank Glynn.

IRD, upon receiving the Langley Yacht Club's trophy in recognition of his outstanding work as Chairman of the Sailing Regatta and his valuable contributions in time and effort in promoting the interests of the Club during the past year.

Tide Mill Gate.

will be open from 6 a.m. to 1 p.m. on Saturdays starting tomorrow.



"How imposing it would be if pumpkins grew upon a tree." This one grew from a few deft strokes of an artist's brush. Dave Willment, Illustrators, transposed this photograph of a vacuum sphere at the Gas Dynamics Laboratory into a pleasant pumpkin whose only mission in life is to wish the staff a goblin-free Halloween.

MALE CHORUS TO PRESENT INFORMAL MUSICAL PROGRAM

The NACA Male Chorus has been holding extra rehearsals for the past few weeks in preparation for their "Pops" Concert which will be presented under the sponsorship of the Activities Association on Wednesday, November 9 at 8 p.m. in the Activities Building.

The program will be informal with the audience seated at tables. Soft drinks and refreshments will be available during the program.

Tickets are now available from district representatives for fifty cents each.

Under the direction of Dr. Franklin W. Diederich, Head of Dynamic Loads Analysis, the chorus will present the following program: "Praise Ye the Lord", "Break Forth, O Beauteous Heavenly Light", "The Holy City", "The Lost Chord", and "The Two Grenadiers". Following a brief intermission the program will continue with "Yo, Ho, Blow the Man Down", "O Shenandoah", "What Shall We Do With the Drunken Sailor", "Ole Ark's A Moverin", "Jesus Walked This Lonesome Valley" and "Joshua Fit the Battle of Jericho." Following another brief intermission the program will close with "Stouthearted Men", "The Sweetheart of Sigma Chi", and "The Ranger's Song."

The chorus, which is composed of singers from the various Laboratory facilities, was first organized in 1949 under the direction of Mary Noble Bennett, formerly of East Engineering. The group was disbanded in 1951 and reorganized last year by Dr. Diederich. Accompanist for the chorus is Barbara Durling, Vibration and Flutter.

BOWLING NEWS

TENPIN LEAGUE

Fivers continue in first place but Hornets trail in second by only a one-game margin. Top scores were rolled by M. T. Schilling with a 236 game, Frank Kawalkiewicz with a 596 set and E. Moen with a 214 game and 553 set.

STANDINGS

Team	W	L	Avg.
Fivers	12	6	.667
Hornets	11	7	.611
Flight	10	8	.556
Spare Ops	10	8	.556
West End	9	9	.500
Rockets	8	10	.444
Pinbusters	7	11	.389
Fiscal Wrecks	5	13	.278

WEDNESDAY SPORTS BOWL LEAGUE

16-Foot won 2 games to remain in first place by the narrow margin of one game. Taking high honors for the men was Ed Hoffman with a 133 game and 365 set. Elsie Scoggins led the women with a 116 game and 298 set.

STANDINGS

Team	W	L	Avg.
16-Foot	12	6	.667
Rebel Bombers	11	7	.612
Hotshots	10	8	.556
I.A.B.	9	9	.500
Tankers 2	8	10	.445
West Machine 2	8	10	.445
Const. Eng.	7	11	.399
West Model 2	7	11	.399

MONDAY DUCKPIN LEAGUE

East Machine chalked up three more wins to lead with 17 wins and only 1 loss. Top bowlers for the men were Bill Jones with a 136 game and John Dupere with a 357 set. Leading the women were Ruth Gerring with a 128 game and Katherine Collie with a 332 set.

STANDINGS

Team	W	L	Avg.
East Machine I	17	1	.944
Stores Branch	12	6	.667
Vibrators	11	7	.611
PARD	9	9	.500
West Machine III	9	9	.500
Fabrication	7	11	.389
West Model I	7	11	.389
Structures	6	12	.333
East Machine II	6	12	.333
Ribs	6	12	.333

MONDAY SPORTS BOWL LEAGUE

Free-Flight Fliers continue in first place with 12 wins and 3 losses. High scores were rolled by Bill Letko with a 126 game and 329 set and May Meadows with a 109 game and 303 set.

STANDINGS

Team	W	L	Avg.
Free-Flight	12	3	.800
Scotch and Tapers	11	4	.733
Flight	7	8	.466
Loads	8	10	.444
Gas Dynamics II	6	9	.400
Gas Dynamics I	6	9	.400
Tank	4	11	.267



Winners of the Activities Association's Golf Tournament are: Front center - George Griffith. Kneeling - Ray Goodman, Earl Gerring, and Roland Tully. Back row - C. W. Miller, Bill Hadaway, Carl Sandahl, Leslie Lassiter, Ray Fisher, Harry Runyan, and Grady Mitchum. -Photo by Worthington

EMPLOYEES INVITED TO COLLEGE MEET

Interested members of the staff have been invited to attend a combined meeting of the former students of nine Virginia colleges to be held at George Wythe Junior High School in Hampton at 7:30 p.m. November 1.

The schools concerned are Virginia Polytechnic Institute, Virginia Military Institute, University of Virginia, William and Mary, Medical College of Virginia, and Madison, Mary Washington, Longwood, and Radford Colleges.

Purpose of the meeting is to acquaint the alumni and other friends of education with the crises with which they are faced in providing adequate facilities and teaching staff to accommodate the large increase in enrollment anticipated during the next 10 years.

No funds for any purpose will be solicited at the meeting, it was announced.

WANTED: 2 alternate drivers from Stuart Gardens to W.A. on 7:30 shift. Ashby, 4571.

WANTED: Ride or passengers from Rivermont to W.A. on 7:30 shift. Barnes, 4624.

WANTED: Ride to W.A. on 8 shift from Algonquin Rd. Curtis, 4787.

WANTED: Ride from Wythe to W.A. on 8 shift. Hicks, H-5869.

GOLF TOURNAMENT WINNERS ANNOUNCED

The Activities Association's annual Golf Tournament was completed last week with George Griffith, Structures, winning the championship flight by defeating Grady Mitchum, PARD, 1 up on the 19th hole.

Other winners were as follows: Ray Goodman, West Machine, won the first flight by defeating Carl Sandahl, PARD, 2 up; Earl Gerring, Electrical Service, took the second flight by defeating Bill Hadaway, 8-foot, 3 and 2; third flight was won by Leslie Lassiter, Vibration and Flutter, who defeated Jim Ott 3 and 1; Harry Runyan, Vibration and Flutter, won the fourth flight by defeating Roland Tully, Instrument Construction, 3 and 1; and fifth flight was won by C. W. Miller, 7 by 10, when he defeated Ray Fisher, Flight, 4 and 2.

Winners of the consolation match were: championship flight - Wallace Albertson, East Model; first flight - undecided between Bill Jones, IRD, and Fred Balmer, West Model; second flight - Gene Strauss, Instrument Construction; third flight - Fred Schmidt, Structures, and fourth flight - Bob Horstmann, IRD.

WANTED: Alternate drivers from Newmarket Village to W.A. on 7 shift. Plott, 4587.

WANTED: Ride or driving combination from 31st St. and West Ave. to W.A. on 7:30 or 8 shift. Warren, 4535.

I.A.S. TO DISCUSS JET VTO PLANES

"Some Considerations of Design and Applications of Jet VTO Type Aircraft" will be the title of an informal discussion by two representatives of the Ryan Aeronautical Company, Robert A. Fuhrman and John M. Herald, at a meeting of the Hampton Roads Section of the Institute of the Aeronautical Sciences in the Projection Room, Administration Building next Tuesday at 8 p.m.

The meeting will be classified confidential and today is the latest that clearance can be obtained. I.A.S. members who wish to attend should send in the postal cards they were given. Others should contact the corresponding secretary, Jim Shivers, Full Scale Tunnel. Attendance will be restricted to 130 persons and I.A.S. members will be given preference. Guests will be accepted in the order of their application.

The discussion will cover the basic concepts of jet VTO, possible methods of approach, military applications, and various technical considerations such as jet deflection methods, stabilization systems, and aircraft design rules. A short sound movie and slides will illustrate the subject. A social hour with light refreshments will follow the meeting.

CONFERENCE VISITORS WILL USE CAFETERIAS

A technical conference will be held at the Activities Building Tuesday, Wednesday, and Thursday and a large number of visitors are expected to attend.

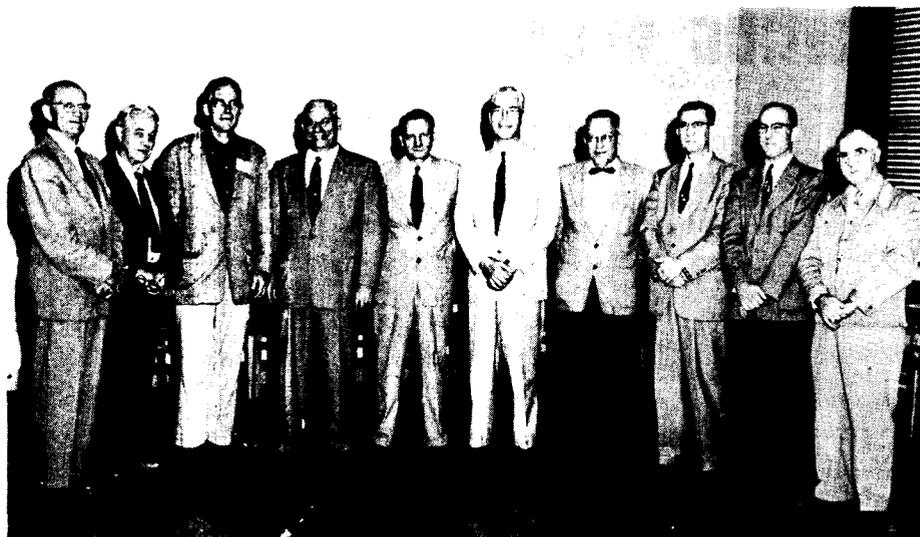
It is planned to divide the visitors into two groups of about 200 persons each for lunch in the East and West cafeterias, beginning at 12:30 p.m. on each of the conference days.

Laboratory employees who usually have lunch at 12:30 are requested to rearrange their lunch period, if possible, during the conference to minimize crowding in the cafeterias.

It is also suggested that telephone calls to the Activities Building relating to non-conference business be held to a minimum during the conference.

WANTED: Driving combination from vicinity of Ashe Ave. to W.A. on 7:30 shift. Offenhartz, NN-31237.

WANTED: Passengers or driving combination from Jefferson Ave. - Newmarket Village Area to E.A. on 8 shift. Young, 2240.



David L. Bacon, Chief Aerodynamicist during the early twenties, visited the Laboratory last week and renewed old acquaintances. He is shown above with a group of old-timers lined up in the order in which they joined the Laboratory staff. They are (from left): Robert E. Mixson, oldest employee in point of service, Benjamin G. Bennett, Bacon, Percy R. Keffer, Howard H. Morris, Dr. H. J. E. Reid, Clyde Lumpkin, Clarence B. Kline, Charles C. Decker, and Frances J. "Stumpy" Howard. --Photo by Taub

CREDIT UNION NOTICE

Effective at the opening of business October 31, interest charged on all outstanding and new Credit Union loans will be at the rate of three-quarters per cent per month on the unpaid balance. Heretofore, interest on personal and construction loans has been at the rate of one per cent per month on the unpaid balance.

It was unanimously decided by the Board of Directors that this reduction of interest would be to the advantage of both borrowers and shareholders and thus make for greater service to all members of the Credit Union.

Members are reminded that there may be new employees at the Laboratory who are not familiar with the services rendered by the Credit Union and who would like to join if they were informed about it.

TALENT NEEDED FOR KIDS' PARTY

Barbara Smith, art chairman of the Children's Committee, announces that plans are underway for the Activities Association's annual Children's Christmas Party to be held on December 18.

Children with musical and dancing talent are needed to take part in the Christmas show. Parents who wish to have their children participate in the show may contact Merle Ott, 2231, Barbara Smith, 4539, or Louise Leigh, 4486.

Rehearsal time will be announced next week.

--Buy U.S. Savings Bonds--

OLD-TIMER VISITS WITH FRIENDS HERE

David L. Bacon, Chief Aerodynamicist in the early twenties, visited the Laboratory last week for the first time in twenty-five years and renewed acquaintances with a group of his friends at Langley.

A native of Rhode Island, Bacon joined the Langley staff on May 15, 1920 as an Assistant Physicist. His office was located in the Administration Building in the space now occupied by the cafeteria's kitchen. When he left on October 4, 1924, the Langley Laboratory facilities consisted of the Administration Building, Atmospheric Wind Tunnel, Variable Density Tunnel, and the Engine Research Laboratory.

He was taken on a tour of several research and shop facilities and was extremely impressed with the tremendous growth of the Laboratory and with its modern equipment.

Bacon is married to the former Grace Dunlap, who was a computer at the Laboratory during the early days. He has six children and 13 grandchildren.

Bacon now lives in New Haven, Connecticut and he stopped by the Laboratory before beginning a sailing trip out of Hampton Roads to the West Indies. Following a tour of several facilities he had lunch with a group of Laboratory old-timers in the West Cafeteria.

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



INFORMAL DANCE SET FOR TONIGHT

Tonight is the night that Laboratory socialities will get together from 9 until 1 for an informal dance at the Activities Building.

Music will be furnished by "The Tail Gate Ramblers", which is composed of six members of The Southerners band.

Admission to the informal affair will be one dollar per couple. Tickets will be available at the door only and no table reservations will be made.

Cecil Burtner, Social Chairman, stated that the Activities Association hopes this will be the first in a series of bargain night dances. He suggested that groups get together and plan to come out and make it a section or division social affair.

PLANS COMPLETED FOR KIDS' PARTY

Merle Ott, Chairman of the Activities Association's Children's Committee, announces that plans have been completed for the children's Christmas party which will be held at the Activities Building on Sunday, December 18 from 2:30 to 4:30 p.m.

The program will open with a marionette show, "Spirit of Echo Mountain", by Tim Letchworth of Hampton. This will be followed by a variety show, under the direction of Louise Lee, 9-Inch.

The following Laboratory employees will participate in the performance: Jackie Sell, PARD; Betty Jane Marshall, PARD; Peggilou White, 4-Foot, and Delores Lockard, Telephone Operator.

Children of the following staff members will also take part: Charles Warren, Stores Branch; Axel Mattson, 8-Foot; Paul Lotz, West Electrical; Louise Lee, 9-Inch; Art Henderson, 9-Inch, and Merle Ott, Full Scale.

Tickets will go on sale next week and they may be purchased from district representatives for fifteen cents each.

Air Scoop, November 18, 1955
Vol. 14, Issue 46



Dr. Hugh L. Dryden, Director of the NACA, has been named the winner of the Wright Brothers Memorial Trophy for "significant public service of enduring value to aviation."

DR. HUGH L. DRYDEN WINS WRIGHT TROPHY

Dr. Hugh L. Dryden, Director of the NACA, has been named the winner of the Wright Brothers Memorial trophy for "significant public service of enduring value to aviation." The announcement was made this week by Thomas G. Langhimer Jr., president of the National Aeronautic Association which makes the award annually.

The trophy will be presented at the annual Wright Memorial dinner in Washington on December 17.

Dr. Dryden was cited particularly for "pioneering work on the measurement of turbulence in wind tunnels and on the mechanics of flow within the boundary layer."

Dr. Dryden was born in Pocomoke City, Maryland and was educated at Johns Hopkins University where he received his A.B. degree in 1916, his M.A. in 1918, and his Ph.D. in 1919. He entered public service in 1918 as a laboratory assistant in the Aerodynamics Section of the National Bureau of Standards. He was appointed director of the NACA in 1947.

COMMUNITY CHEST TOTALS ALLOCATED

Anshal I. Neihouse, chairman of the Laboratory's United Fund campaign, announced that a few more donations have been received and the total now stands at \$35,825.60. Last year employees donated a total of \$33,028.07 to the United Fund effort.

James C. Tingle, chairman of the Laboratory's United Fund organization, announced that the initial checks are being mailed this week to the Community Chest chapters and a few other organizations benefiting from the 1955-56 Langley United Fund campaign.

Distribution of funds is being made in strict accordance with the Rules and Regulations of the Langley Laboratory's United Fund which requires that the Board of Directors send funds as follows:

A. Monies specifically allocated to an eligible organization in the fund shall be disbursed to such organization.

B. Monies not specifically allocated shall be allotted to the organizations in the fund on the basis of need, scope of services and area of service by the Board of Directors who shall also take into consideration the amount raised by particular organizations in prior separate campaigns.

Community Chests and United Funds which will receive money this year and the respective amounts are as follows:

The Community Chest and American Red Cross chapters in Hampton and Portsmouth conducted joint campaigns. The Hampton Community Chest received \$13,792 and the Red Cross \$4,275 for a total of \$18,067. The two Portsmouth chapters received a total of \$87.

This year the city of Norfolk conducted a United Fund drive and a total of \$73 was contributed to the Community Chest, American Red Cross, American Cancer Society, and Heart Fund.

The following amounts were donated only to Community Chest chapters:

Newport News-Warwick, \$5,109;

(Continued on page 2)

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.

S=D DAY

December 1st



Make S. D Day and every day a Safe-Driving Day!

Dwight D. Eisenhower

Government Drivers:

- Slow Down**
for hazardous conditions.
- Signal Distinctly**
before changing speed or direction.
- Sleepy Drivers**
pull off the pavement and rest.
- Sober Drivers**
refuse the first drink.
- Safer Distances**
prevent rear-end collisions.
- Show Decency**
and courtesy toward others.
- Support December 1**
by safer driving.

THE PRESIDENT'S COMMITTEE FOR TRAFFIC SAFETY

DECEMBER 1 NAMED SAFE DRIVING DAY

President Dwight Eisenhower has proclaimed Thursday, December 1 as Safe Driving Day.

The objective of S-D Day, which includes an intensive ten day lead-up and ten day follow-up campaign, is to demonstrate that traffic accidents can be reduced materially when all drivers and pedestrians fulfill their moral and civic responsibilities for safety.

Last year's S-D Day proved the potential for success of such an effort. It brought about activity in communities which had never before cooperated in an intensive traffic safety effort. And it brought a reduction in traffic deaths for the day. S-D Day can be a significant contribution to traffic safety.

It can prove to each individual that he, personally, can help save lives. It can impress him with the inescapable realization that accidents can be reduced every day by the same means.

The watchword of this year's S-D Day campaign will be "Make Every Day S-D Day".

WANTED: Ride or driving combination from 637 Randolph Rd. to W.A. on 8 shift. Spears, 4687.

WANTED: Ride from Wythe to W.A. on 3:30 shift. Kreidler, Newport News 2-8578.

LIFE AT THE LABORATORY

Wedding bells.

will ring tomorrow when Joan Pereira, Library, and James Zitzelberger, Construction Engineering, take their final vows at St. Vincent's Catholic Church in Newport News. Ushers will be Ray Godwin, Cascade Aerodynamics; Stanley Faber, Flight Research, and Gordon Bowie, formerly of Construction Engineering.

Weighing in.

at seven pounds, eight ounces was a new son who arrived at the Clyde Morgan household on Sunday, November 13. The proud father works in the Telephone Exchange and the mother, Beth, is formerly of the Library.

Passing out.

cigars and candy is Gordon Avery, East Machine Shop. He became the father of a son, Kenneth, on Thursday, November 10.

Dan Cupid.

seems to have found happy hunting grounds in the Library. He will score another victory tomorrow when Anne Hall, Library, says "I do" to Ralph Witt, of Hampton. The wedding will take place in the First Methodist Church in Hampton and Retha Shirkey, Library, will serve as a bridesmaid and Jane Hess, also of the Library, will be mistress-of-ceremonies.

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 25 issue are requested to send it to the Air Scoop Office by noon on Monday.

A note of thanks.

Paul N. Clemens, Construction Engineering, wishes to express his sincere appreciation to his many friends and co-workers for their visits, gifts, flowers, and cards during his recent illness.

COMMUNITY CHEST

(Continued from page 1)

York, \$998; Mathews County, \$19.50; Gloucester County, \$72; Nansemond County, \$10; Middlesex County, \$3; Isle of Wight, \$17; Williamsburg, \$10; Surry County, \$4; and others, \$22.

The amount donated to these organizations totals \$24,491.50.

The money donated to other organizations included in the Laboratory's United Fund drive will be disbursed when they have their individual fund drives and an announcement of the amounts allocated will be made at the time of disbursement.

WANTED: Ride from Warwick Gardens to W.A. on 7:30 shift. Creekmore, 4571.

FOR SALE: Underwood portable typewriter. Segall, H-4156.

FOR SALE: Sofa bed and platform rocker - \$40. Zanks, H-4666.

for rent

- Room. Mrs. Goepe, MN-43849 after 5. Room and board if desired. Mrs. Shepherd, NN-20874.
- 3 or 4 room furnished apartment. Mrs. Boynton, H-5297.
- Room for 2 gentlemen. Michaelson, Hampton 34618.
- 2 bedroom house in Poquoson. Chapman, Poquoson 6056.
- 6 room unfurnished apartment. Mrs. Johnson, H-7493.
- Room for 1 or 2 men. Mrs. Cooke, Hampton 3-3892.
- 2 bedrooms. Mrs. Heinatz, H-7673.
- 1 or 2 girls to share apartment. Dottie McClammy, H-34816.
- Man to help 2 others share 3 bedroom house in Cherry Acres. Hollinger, H-7039.

FOR SALE: "Airplane Performance, Stability and Control," by Perkins and Hage, Training Office, 2256.

WANTED: Passengers to N.Y. and Connecticut Nov. 23 and returning Nov. 27. Nason, Hampton 30263, or Falanga, Hampton 7336.

BOWLING NEWS

TENPIN LEAGUE

Things are all tied up in the Tenpin League with Flight, Spare Oops, and West End battling for first place with 17 wins and 10 losses each. Edwards set a new high record with a 256 game and Smith took high set with 608. Tops for the women were Elaine MacDonald with a 181 game and Margaret Lail with a 504 set.

STANDINGS

Team	W	L	Avg.
Flight	17	10	.630
Spare Oops	17	10	.630
West End	17	10	.630
Hornets	15	12	.556
Fivers	15	12	.556
Rockets	11	16	.407
Pinbusters	10	17	.370
Fiscal Wrecks	6	21	.222

WEDNESDAY DUCKPIN LEAGUE

16-Foot won 1 game to remain in first place with 18 wins and 9 losses. High scores for the men were rolled by Bill Carmines with a 133 game and Wesley Brenton with a 351 set. Tops for the women were Ann Wisecarver with a 124 game and Veta Moul with a 300 set.

STANDINGS

Team	W	L	Avg.
16-Foot	18	9	.666
Rebel Bombers	17	10	.629
IAB	14	13	.518
Hotshots	14	13	.518
West Machine 2	13	14	.481
West Model 2	13	14	.481
Const. Eng.	10	17	.370
Tankers 2	9	18	.333

MONDAY DUCKPIN LEAGUE

East Machine continues to lead the league with 21 wins and only 3 losses. High scores for the week were rolled by Jimmy McCann with a 126 game and 340 set and Manry Stein with a 126 game. Tops for the women were Mary Edwards with a 110 game and 285 set and Ruth Gerringer with a 285 set.

STANDINGS

Team	W	L	Avg.
East Machine 1	21	3	.875
Stores Branch	16	8	.667
West Machine III	14	10	.583
Vibrators	11	13	.458
PARD	11	13	.458
West Model 1	11	13	.458
Structures	9	15	.375
East Machine II	9	15	.375
Fabrication	9	15	.375
Ribs	9	15	.375

IRD-PARD BOWLING LEAGUE

Jets took over first place in the league with 17 wins and 7 losses. Trailing in second by only a one-game margin are Skyhooks with 16 wins and 8 losses. Bill Gray rolled high game with 138 and W. Braley and Charlie Russel tied for high set with 340. Ann Wiseman took



Dr. H. J. E. Reid, Director, congratulates Betty McBride, Personnel Division, and Marvin Saunders, West Photo Lab, on being the first employees to receive cash awards under the Laboratory's new Incentive Awards Program. Betty received a ten dollar Government check from Dr. Reid for her suggestion to procure certain standard forms pre-punched to eliminate a punching operation when the forms are filed in the employee's personnel folder. Saunders received a one hundred dollar check for his development of a device for adapting an existing movie camera and motion picture printer to permit special effects movie printing.

--Photo by Bill Taub

WANTED: Sleeping bag, Parker, Warwick 80267.

FOR SALE: 117 by 160 lot located at 3Ridgecrest Drive off Todd's Lane. Heier, NN-28840 after 5 p.m.

high game for the women with 104 and she tied A. Aiken for high set with 267.

STANDINGS

Team	W	L	Avg.
Jets	17	7	.708
Skyhooks	16	8	.666
RALPH	14	10	.583
Goofballs	14	10	.583
Missiles	12	12	.500
Terrorpins	12	12	.500
Pinhookers	10	14	.412
Nicki-Hokeys	10	14	.412
New Leafers	9	15	.375
Hi-g's	6	17	.233

MONDAY SPORTS BOWL LEAGUE

Free-Flight Fliers and Scotch and Tapers are stilled for first place with 16 wins and 5 losses. High scores were rolled by Henry Lee with a 146 game, Joe Block with a 360 set, Gay Gilbert with a 120 game and May Meadows with a 339 set.

STANDINGS

Team	W	L	Avg.
Free Flight	16	5	.762
Scotch and Tapers	16	5	.762
Flight	10	11	.476
Gas Dynamics I	9	12	.428
Loads	8	13	.381
Tank	7	14	.333
Gas Dynamics II	6	12	.333

ARCHERY CLUB

The NACA Archery Club will meet on Tuesday, November 22 at 7:30 p.m. at the NACA Rifle Range in West Area. The range will also be open on Tuesdays and Wednesdays from 7:30 p.m. to 10.

Persons who are not familiar with the location of the rifle range are asked to report to the Activities Building.

for sale

- 3 cubic foot concrete mixer, power tools. Nagy, W-82755.
- 3 bedroom brick home in Riverside. McGuigan, W-83409.
- 4 wheel boat trailer - \$14. Priddy, Hampton 35148.
- Norge oil space heater. Catlett, Hampton 8776.
- 2 screen doors. Bland, H-32507.
- 20 watt amplifier, University outdoor speaker, radio city TV signal and cross hatch generator, RCA V.H-ohmyst. Quisenberry, Hampton 7678.

NOTICE: Anyone interested in joining a group of sailing enthusiasts in building Penguin class sailboats on a co-operative plan call Frank Glynn, NN-43665.

LOST: Library copy of "Chemical Kinetics" by Keith J. Laidler and "Journal of the Optical Society of America" Vol. 39, July to Dec., 1949. Evans, 4676.

NEW MODEL CLUB PLANS ACTIVITIES

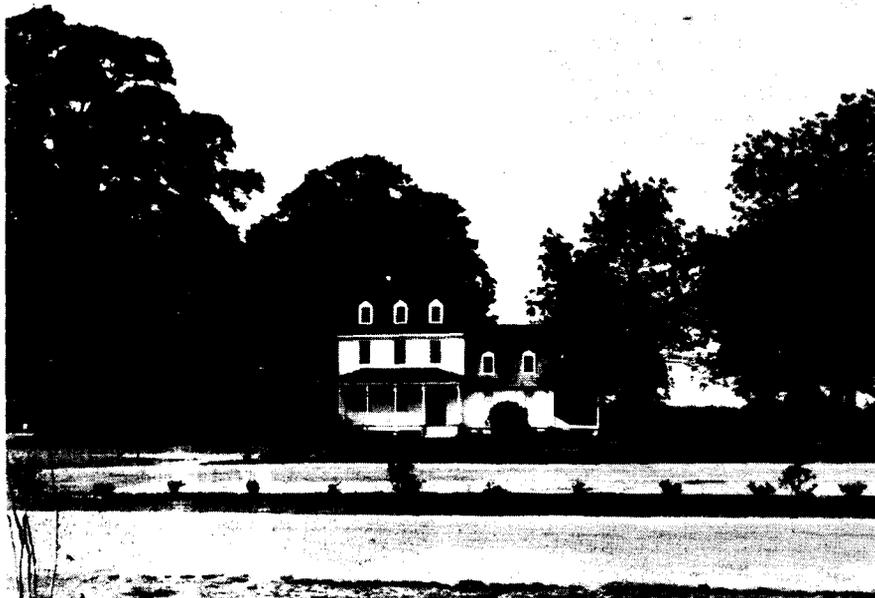
The First meeting of the Brainbusters International Group was held last week under the leadership of Frank Parmenter, West Machine Shop. The initial results of an attempt to obtain low speed model research data were presented by Bob Champine, Flight. The results, in the form of photo sequences of a test model's glide path, indicated that such information as rate of descent, angle of attack, lift and drag coefficients, etc., could be obtained.

Accurate information on these factors has not been available to the modeler as most full scale research data are not directly applicable to the low speed small scale region of model design. As this research effort progresses, it is expected that much current guess-timation in model design may be eliminated. The program is currently a joint project by Champine, Harry Shoaf, Equipment Engineering, and John Worth, Flight, and it has passed through initial debugging stages. It will shortly commence gathering actual data through the systematic testing of various wings, horizontal stabilizers and complete models within the group.

Also discussed at the meeting was the current nominations for new Academy of Model Aeronautics officers. Since several candidates are not known to the group, it was agreed to try to obtain some information on them before members submit individual mail ballots. Meanwhile, an appeal is being made to all AMA members to hold off balloting until the information can be presented as the AMA is currently in need of responsible officers to overcome its current difficulties. Final discussion of candidates will be held at the meeting on Wednesday, November 30 at 8 p.m. in the Apprentice Classroom, second floor of the West Sheetmetal Shop.

wanted

Ride from Cavalier Ct. to E.A. on 8 shift. Gilliland, H-34136.
Driving combination from Shoe Lane to W.A. on 7:30 shift. Carter, 4681.
Ride from Southampton to W.A. on 8 shift. Robinson, 4477.
Ride from Lynnhaven Dr. to W.A. on 8 shift. Ludi, 4505.
Ride from Buckroe to W.A. on 8 shift. Pendleton, 4567.
Ride from Warwick Gardens to W.A. on 7:30 shift. Creekmore, 4571.
Passengers to N.Y. Nov. 23 and back Nov. 27. Fraser, H-33156.
Fifth driver from Southampton to E.A. on 8 shift. Pierpont, 2292.
Home for kittens. Houston, Newport News 2-3802.



Razing of the old Collier home, also known as Cloverdale, started Monday when the Newcomb-Sanders Company of Hampton began dismantling the last historical building in the Langley Field area. The home, which is over 200 years old, is located adjacent to the Activities Building.

COLLIER HOME BEING RAZED

Razing of the last historical building in the Langley Field area was started Monday when the Newcomb-Sanders Company of Hampton began levelling the old Collier home, which is located adjacent to the Activities Building.

The house is being razed because Laboratory safety officials have declared it dangerous and unsafe even for storage purposes. It has been used by the Activities Association as a storage place, but it is no longer needed for that purpose. It was decided in the interest of economy not to expend funds for the extensive repairs required to make the house safe for use.

The NACA obtained the Collier home in September, 1944, when the Air Force allotted 6.25 acres of the estate to the Laboratory for the purpose of building the Activities Building.

The first part of the Collier home, which was also known as Cloverdale, was built in the early part of the 18th century by Holden Hudgins. Hudgins willed the home to his daughter who married Dr. John Vaughan. Vaughan later sold the home to Anton Schmelz, who in turn gave it to his daughter, who married Howard Collier Sr. They had 12 children, seven boys and five girls, several of whom still live on the Peninsula.

All floors in the old home are hand hewn and they were made smooth

trading post

The following items are for sale:

- 7½ hp outboard motor, 4 life jackets, anchor, and stand - \$75. Ayres, NN-27581.
- ¾ ton Frigidaire air conditioner - \$240. Fuller, H-36652.
- 13-foot fully equipped runabout, 25 hp Evinrude motor and convertible trailer. Bland, H-32507.
- 17 cubic foot freezer. Snyder, Warwick 8-5064.
- Baby carriage - \$20. Leband, 22 Forrest Drive, Warwick.
- 78 rpm classical record collection. Freeman, H-60142.
- 1955 house trailer. Gills, H-36852.
- 150 gallon oil tank and stand. LaPoint, H-8701.
- 12-foot runabout nearly completed. Cerny, H-45260.
- 5 room house in Poquoson - \$4000. Hopkins, Poquoson 5702.
- 3 bedroom brick house in Brandon Heights. Helfer, W-83683.
- Stork-line baby crib - \$14. Weiss, Newport News - 28187.
- 8 passenger Chrysler sedan and Buick station wagon. Hart, Hockley.
- 1955 house trailer. Braig, H-38838.

by dragging stones over the planks after they had been nailed into place.

The plastering is on hand split lath or riven lath - a method of plastering which has been extinct for more than 50 years. The plaster was handmade and several authorities have expressed the theory it was made by burning oyster shells and mixing them with sand.



THREE RECEIVE 20-YEAR PINS

In informal ceremonies held last Friday, Dr. H. J. E. Reid, Director, presented ruby-studded 20-year service emblems to Blake W. Corson Jr., Head of 16-Foot Transonic Tunnel; Roland E. Olson, Head of Tank I, and William J. Loviner, East Machine Shop.

Corson was born in Richmond. He graduated from John Marshall High School and received his B.S. degree in Mathematics from the University of Richmond. He entered on duty at the Laboratory on October 14, 1935 as an under scientific aide at PRT. He transferred to 16-Foot in 1941 and was appointed assistant head in 1944. He was appointed to his present position as head of the tunnel in 1947.

Olson hails from Lake Park, Minnesota. He graduated from Lake Park High School, received his B.S.

(Continued on page 3)

SAFE DRIVING DAY SET FOR DECEMBER 1

Thursday, December 1 has been proclaimed by President Dwight Eisenhower as the National observance of Safe Driving Day.

The safe driving program is intended to demonstrate that traffic accidents can be reduced materially when all motorists and pedestrians do their part.

The Laboratory is cooperating in the program by asking all staff members and their families to make an especial effort next Thursday to concentrate on going through the entire 24-hour period without a traffic mishap.

The watchword of this year's Safe Driving Day campaign is "Make Every Day S-D Day."

A successful observance might make motorists and pedestrians realize that, if they can greatly reduce accidents on S-D Day, they can do so every day in the year.

WHITCOMB WINS COLLIER TROPHY FOR AREA RULE

Richard T. Whitcomb, assistant head of the 8-foot Transonic Tunnels Branch of the Full Scale Research Division, has been officially advised by the National Aeronautic Association that he has been unanimously elected winner of the Collier Trophy Award for his discovery of the Area Rule, revolutionary aircraft design concept.

Election of Whitcomb was made at a meeting of the Collier Trophy Committee in Washington, D. C., on October 7, it was announced by T. G. Lanphier Jr., president of the NAA, custodian of the coveted trophy.

Presentation of the Trophy, for the year 1954, will be made by Lanphier during the annual Wright Day Dinner, sponsored by the Aero Club of Washington, at the Sheraton Park Hotel on December 17. The affair honors the fifty-second anniversary of the first flight at Kitty Hawk in 1903.

Among those who are planning to attend the award dinner are Dr. H. J. E. Reid, Director; Floyd L. Thompson, associate director; John Stack, assistant director; T. A. Harris, chief of the Stability Research Division; Eugene C. Draley, chief of the Full Scale Research Division; Axel T. Mattson, head of the 8-foot Transonic Tunnels Branch, and George B. Colonna, of Hampton.

Whitcomb entered on duty at the Laboratory March 1, 1943, after he was graduated "with high distinction" at Worcester Polytechnic Institute. He was born February 21, 1921 in Evanston, Illinois.

An illustrated article on the Area Rule is included in this week's Collier's Magazine, along with an announcement that Dick Whitcomb is the winner of the 1954 Collier Trophy. Copies of the December 9 issue of Collier's Magazine are now on sale in both the East and West cafeterias.

Air Scoop, November 25, 1955
Vol. 14, Issue 47



Richard T. Whitcomb, assistant head of the 8-foot Transonic Tunnels Branch, has been officially advised by the National Aeronautic Association that he has been unanimously elected winner of the 1954 Collier Trophy Award for his discovery of the Area Rule, revolutionary aircraft design concept.

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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

Making plans.

to desert the bachelor ranks is Dick Felix, Cascade Aerodynamics. He is engaged to Dorothy Douglas, of Newport News, and the wedding will take place in the late spring.

Diaper Lines.

Passing out cigars and candy is William J. Coley, West Machine Shop. He became the father of a daughter on Saturday, November 19.

The pay day.

game night, sponsored by the Activities Association, will be held on Thursday, December 1 at 8 p.m. at the Activities Building.

Dan Cupid.

scored another victory this week when Sally Madra, Report Typing, announced her engagement to Glenn Wilson, of Hampton. No definite date has been announced for the wedding.

Langley Yacht Club.

members are reminded that election of officers will be held at the meeting scheduled for November 29 at the Langley Boathouse. All members are urged to attend this important meeting.

V.P.I. PROFESSORS TO PRESENT PAPERS

Training Office officials announced that Dr. N. J. Huffington and Dr. Daniel Frederick, both of the Applied Mechanics Department at Virginia Polytechnic Institute, will be at the Laboratory on November 30 and December 1 to present two papers and act as research consultants.

Dr. Huffington will present a paper on "Theoretical Determination of Rigidity Properties of Orthogonally Stiffened Plates" and Dr. Frederick will speak on "Some Problems in Bending of Thick Circular Plates on an Elastic Foundation".

Anyone interested in discussing graduate study at V.P.I. may contact the Training Office, 2256.

COURSES OFFERED AT LANGLEY BASE

The George Washington University Residence Center at Langley Air Force Base announced that the winter semester will start December 5 and 6. Courses offered and the nights on which they meet are as follows:

Monday and Wednesday - English Composition, Spanish II (which will start November 30, and Psychology.

Tuesday and Thursday - Personnel Management.

Monday and Thursday - Trigo-

SOUTER DIES IN MARYLAND

Robert K. Souter, formerly of Flight Research Division, died last Friday at his home in Bel Air, Maryland, after an illness of several months.

Souter was born July 2, 1916 in Scranton, Pennsylvania. He received his B.S. degree in Aeronautical Engineering from Rensselaer Polytechnic Institute in 1938.

He entered on duty at the Laboratory August 1, 1940 as a Junior Aeronautical Engineer in the Loads Section. He transferred to Flight as a meteorologist September 18, 1944. He left the NACA September 17, 1951 to accept a position with the Air Force at Langley.

He is survived by his wife, Marjorie, who formerly worked in Structures Research Division.

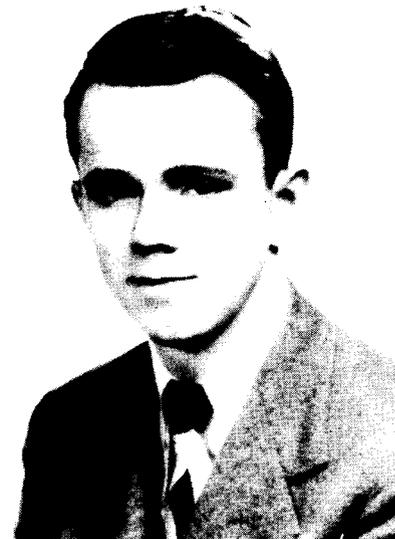
FOR SALE: 3 bedroom house with attached garage, Stevens, W-82985.

FOR SALE: Ciroflex camera with case and flash synchronizer - \$34. Thibodaux, NN-27709.

FOR SALE: 3 bedroom ranch house with attached garage - located in Riverside. Peck, Warwick 8-3160.

nometry.

Registration will be accepted until the first class meeting by the Education Services Office, Building T-200 or L.F. 8120.



Tim Letchworth, of Hampton, will entertain the children at the Activities Association's annual Christmas party with a marionette show "Spirit of Echo Mountain."

PARTY FEATURES MARIONETTE SHOW

One of the main attractions at the Children's Christmas Party on Sunday, December 18 at the Activities Building, will be a marionette show, "Spirit of Echo Mountain", by Tim Letchworth of Hampton.

Tim was born July 11, 1935 at Ft. Monroe. He graduated from Hampton high school in 1953. He first became interested in puppets when he was only four years old. When in grade school he put on shows for the other children in the assembly programs.

He started showing his puppets professionally while still in high school and he has made a number of appearances at the elementary schools on the Peninsula. Since his graduation from high school he has devoted his full time to making puppets and putting on shows.

Tim has appeared on WTAR-TV and in 1952 while on vacation in Spokane, Washington, he was asked by Bing Crosby Enterprises to appear on KXLY-TV. He also taught puppetry at the YWCA in Washington and at the Thomas Jefferson Elementary School in Newport News.

Tim makes his own puppets and plans the show. He has shown "Hansel and Gretel", "Beauty and the Beast" and "Spirit of Echo Mountain".

The Christmas party is being sponsored by the Activities Association and tickets may be purchased for fifteen cents for adults or children from the district representatives.

BOWLING NEWS

WEDNESDAY DUCKPIN LEAGUE

16-Foot won 2 games to remain in first place with 20 wins and 10 losses. High game for the night went to Allen Vick who rolled 131. T.P. Wright rolled high set with 337. Top scorer for the women was Ann Wisecarver with a 109 game and 322 set.

STANDINGS

Team	W	L	Avg.
16-Foot	20	10	.666
Rebel Bombers	18	12	.599
I.A.B.	17	13	.566
Hotshots	16	14	.532
West Machine 2	16	14	.532
West Model 2	13	17	.433
Const. Eng.	11	19	.366
Tankers 2	9	21	.300

TENPIN LEAGUE

West End won two games to take over first place with 19 wins and 11 losses. Tied for second are Flight and Spare Oops. Russell Hopko took top scoring honors with a 238 game and 598 set.

STANDINGS

Team	W	L	Avg.
West End	19	11	.633
Flight	18	12	.600
Spare Oops	18	12	.600
Hornets	17	13	.567
Fivers	17	13	.567
Pinbusters	13	17	.433
Rockets	11	19	.367
Fiscal Wrecks	7	23	.233

MONDAY DUCKPIN LEAGUE

East Machine I continues in first place with 23 wins and only 4 losses. Top scores for the week were rolled by Tommy Andrews with a 127 game, John Dupere with a 335 set, Katherine Collie with a 120 game and Shirley Leonard with a 322 set.

STANDINGS

Team	W	L	Avg.
East Machine I	23	4	.851
Stores Branch	17	10	.630
West Machine III	15	12	.556
Vibrators	13	14	.481
PARD	12	15	.444
Ribs	12	15	.444
East Machine II	11	16	.407
Fabrication	11	16	.407
West Model I	11	16	.407
Structures	10	17	.370

MONDAY SPORTS BOWL LEAGUE

Free-Flight Flyers won all 3 games to take over first place with 19 wins and 5 losses. Joe Block was high scorer for the men with a 134 game and 354 set. Tops for the women was Dorothy Ramsen with a 109 game and 308 set.

Team	W	L	Avg.
Free-Flight	19	5	.792
Scotch and Tapers	16	5	.762
Flight	11	13	.458
Gas Dynamics I	11	13	.458
Loads	10	14	.417
Tank	8	16	.333
Gas Dynamics II	6	15	.286



In informal ceremonies held last Friday Dr. H. J. E. Reid (right), Director, presented ruby-studded 20-year service emblems to (from left): William J. Loviner, Blake W. Corson Jr., and Roland E. Olson. --Photo by Taub



The next meeting of the South-eastern Virginia Radio Control Group will be held on Tuesday, December 6 at 8 p.m. at the Activities Building. The feature attraction of the meeting will be a demonstration of a six channel tone transmitter and receiver. This equipment was recently obtained from England and is representative of the multi-channel type now gaining much favor in this country.

Progress on the new club model will be discussed. This is a 12 foot wing-span towline glider which was donated to the group. It is currently being repaired and modified to include both rudder and elevator control. Further modification to add engine power is expected after initial glide tests. This model succeeds the former club plane which finally had a fatal crash on its 117th flight. It is hoped that the glider will permit longer than usual flights so that a greater number of individuals may be permitted to handle the controls.

New models nearing completion are a semi-scale Aeronca Champion by John Moore, Supersonic Aerodynamics, and a Sea Cat flying boat by Ivan Beckwith, also of Supersonic Aerodynamics. Jim Cabbage, Induction Aerodynamics, has revived his

SERVICE PINS

(Continued from page 1)

degree in Chemistry from North Dakota Agricultural College, earned his M.A. in Physics from the University of Buffalo and spent two years doing graduate work at George Washington University. He joined the Laboratory staff on October 8, 1935 as a junior scientific aide at Tank I. He was appointed head of Tank I on March 1, 1946.

Loviner is a native of New Bern, North Carolina. Before joining the Laboratory staff he worked six years as a trainman for the Norfolk Southern Railroad and five years as a machinist at the Newport News Shipbuilding and Dry Dock Company. He entered on duty at the Laboratory on October 29, 1935 as a machinist at East Machine.

WANTED: Lot in Hidenwood section. Lotz, W-82374.

FOR SALE: Combination screen and storm door. Mueller, H-38172.

FOR SALE: 1949 Ford with radio and heater. Berry, H-33258.

FOR SALE: Clear-clean floor furnace with thermostat controls and 150 gallon oil tank. Martin, Warwick 85572.

Kitten, which is several years old, and he may be seen flying more often now that he has received his "ham" license. Dick Jansson, IRD, is finishing up his scale model of a PT boat and hopes to run it shortly.

NACA RESEARCH WINS FIVE COVETED COLLIER TROPHY AWARDS

Award of the Collier Trophy to Richard T. Whitcomb marks the fifth time that the NACA or members of the research staff have won or shared America's top aviation honor.

The coveted trophy, established in 1911, is awarded annually "for the greatest achievement in aviation in America, the value of which has been thoroughly demonstrated by actual use during the preceding year."

NACA's first Collier Trophy, for 1929, was for scientific research at Langley leading to development of the cowling for radial aircooled engines. The cowling, the principle of which is incorporated

in the design of virtually every modern-day airplane, was the result of experiments conducted in 1928 in the Propeller Research Tunnel, dismantled in 1950 to make way for construction of the 8-foot Transonic Pressure Tunnel.

There is a similarity in the achievement which netted the NACA its first Collier Trophy and that of the current winner. Both accomplishments, without the benefit of added power, changed the shape and increased the speed of aircraft - the cowling by reducing air resistance around the previously-exposed radial engine; and the area rule by scientifically pinching the fuselage to cut aircraft drag and enable high-speed jets to move easily past the sonic barrier.

One of the first important practical applications of the NACA cowling was on the Lockheed Air Express - a single-engine monoplane which established a new Los Angeles to New York non-stop record in 1929, with Frank Hawks as the pilot. The time for the flight was 18 hours, 21 minutes and 59 seconds.

The Lockheed Aircraft Company credited the NACA cowling with increasing the airplane's speed from 157 to 177 miles per hour. An official of the aviation firm sent the following telegram to the Langley Laboratory on February 7, 1929, shortly after the historic cross-country flight: "Record impossible without new cowling. All credit due NACA for painstaking and accurate research and generous policy!"

A quarter-century later, application of the area rule design concept on a new all-weather interceptor, the Convair F102, resulted in a speed gain of more than 100 miles per hour without an increase in engine

power. The subsonic F102, modified on the basis of the area rule, became the supersonic F102A, which is now in production for the Air Force.

Another airplane with the area rule is the Grumman F11F-1. The concept, characterized by an indented fuselage at the point where the wings are attached, was drawn into the original design, making it possible for the Navy shipboard fighter to travel supersonically in level flight.

* * *

COLLIER TROPHY



TOP AVIATION HONOR

The 1946 Collier Trophy was awarded to Dr. Lewis A. Rodert, formerly of Hampton and now on the staff of the Lewis Laboratory at Cleveland, Ohio. The second NACA award was for pioneering research and guidance in the development and practical application of a thermal ice-prevention system for aircraft.

Rodert, who served at Langley from 1936 to 1940, inaugurated his study of ice prevention in the Flight Research Division, continuing the project during subsequent service at the Ames Laboratory and later at Cleveland.

The Collier Trophy for the following year, 1947, was shared by

John Stack, assistant director of the Langley Laboratory; Lawrence D. Bell, president of the Bell Aircraft Corporation, and then Captain Charles E. Yeager, Air Force test pilot.

The three were cited for their contributions to the advancement of supersonic flight through the research airplane program, which continues to make aviation history on California's Mojave Desert - where the NACA High-Speed Flight Station has been in operation for nine years.

Stack's share in the three-way award was "for pioneering research to determine the physical laws affecting supersonic flight, and for

his conception of transonic research airplanes." Bell was honored because his company designed and built the Air Force X-1 rocket airplane used in the first experimental flights; and Yeager was recognized for being the first, on October 14, 1947 to fly the stubby research vehicle faster than sound.

Stack received a second Collier Trophy five years later, for 1952, for the development of transonic wind tunnels. Stack and a group of Langley associates were honored for their design of a "ventilated throat" that lets the air flow smoothly through the tunnel test section without troublesome choking effects.

The discovery by Stack and his associates successfully bridged the gap which once existed in wind tunnel research between the subsonic and supersonic speed regions and was credited with giving the United States a head start of at least two years over any potential enemy in the design of transonic aircraft.

Whitcomb's area rule concept was a product of research in the 8-foot Transonic Wind Tunnel, one of three transonic facilities now in operation at Langley. Thus the research tool which brought the NACA a Collier Trophy for 1952 played a vital part in the winning of the latest award.

The Collier award announced this week is the 40th since the recognition program was started in 1911 with the presentation of the first trophy to Glenn H. Curtiss, aviation pioneer, for his successful development of the hydroaeroplane. No awards were made beginning 1917 through 1920 because of the emergency created by World War I.



NEW YEAR'S DANCE SET FOR DEC. 31

A few tickets are still available to the Activities Association's outstanding social event of the year which will be held New Year's Eve at the Activities Building.

The dance will be semiformal which generally means evening or cocktail dresses for the women and tuxedos, tails, or business suits for the men. The celebration will start at 10 p.m. and will continue until 2 a.m. to the music of The Southerners.

At the stroke of midnight, the women will again come into power for the first time in four years. As old Father Time makes his exit, the New Year and his helper Leap Year will make their debut.

Only a limited number of tickets are available to the dance and they may be obtained in the East Area from Mary Carmines, Room 106, Service

(Continued on page 5)

GURTLER TO DISCUSS ATOMIC SURVIVAL

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.

The discussion 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 will cover such subjects as types of home shelters, necessary food, water and supplies that should be stocked in the home, and steps that should be taken following an attack to protect the family from radioactive particles or fallout.

Admission will be free and tickets will be distributed by the district representatives. The entire family is invited to hear this timely report

(Continued on page 5)

AREA RULE BORN OF COOPERATION, WHITCOMB SAYS

The Collier Trophy Award for 1954 was presented to Richard T. Whitcomb, assistant head of the 8-Foot Transonic Tunnels Branch, by Vice President Richard M. Nixon at the annual Wright Day Dinner held in Washington December 17 on the 52nd anniversary of flight.

Inscribed on the Collier Trophy, a replica of which was presented to Whitcomb for his permanent possession, was the following citation: "For discovery and experimental verification of the Area Rule, a contribution to basic knowledge yielding significantly higher airplane speed and greater range with same power."

In his acceptance speech, given before approximately 2,000 dignitaries representing Government, the aviation industry, and the aeronautical sciences, Whitcomb called attention to the fact that the honor was made possible by the cooperative efforts of a large number of persons in many organizations. Whitcomb said:

"I am deeply grateful for this honor which the National Aeronautic Association has so generously bestowed upon me. However, this honor must be broadly shared.

"The final demonstration of the Area Rule in actual flight resulted from the cooperative efforts of many individuals in many organizations. Among these are the many persons of the NACA team who earlier had developed the necessary research equipment and who performed the many experiments necessary for the demonstration of the concept. I am proud to have been a member of this team.

(Continued on page 5)



Richard T. Whitcomb smilingly appraises a replica of the Collier Trophy, presented to him for his discovery and experimental verification of the Area Rule, new aircraft design concept. The trophy is regarded as America's pre-eminent aviation award.

(Photo by Taub)



Air Scoop, December 23, 1955
Vol. 14, Issue 51



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

Arriving

just in time to spend Christmas at home was seven pound, three ounce Cynthia Leigh, new daughter of Frances, Central Files, and T. Melvin Butler, Personnel Officer. The young lady arrived on Thursday, December 15.

A bundle from Heaven

was dropped at the Godwin White household on Tuesday, December 13. The new arrival is a son and the father works in 11-Inch Hypersonic Tunnel.

Wedding bells

rang on Thursday, December 22 when Betty Watkins, Central Files, and Jim Miller, formerly of Equipment Engineering, took their final vows at the Hampton Baptist Church. Virginia Blackwell, sister of the bride and formerly of Training Office, was matron-of-honor, and Loretta Watkins, Equipment Control, served as mistress-of-ceremonies. Coleman Watkins, Steel Construction, was an usher.

New Rocket

Celebrating the arrival of a son on Tuesday, December 13 is Roger A. Anderson, Structures Research.

The Pay day

game night, sponsored by the Activities Association, will not be held on Thursday, December 29. The bi-weekly game nights will be resumed on Thursday, January 12 at 8 o'clock in the Activities Building.

Midnight serenader

Keeping the Pete Stapilus household awake nights is a new son, Randolph Peter, who arrived on Thursday, December 8. The father works in 24-Inch High-Speed Tunnel.

During the

Christmas and New Year week-end holidays the Old West Gate will be closed on December 24, 25, 26, and 31 and January 1 and 2.

Swing your partner

Members of the Promenaders Square Dance Club are reminded that a dance will be held on Thursday, December 29 at 8 p.m. at the Activities Building. Dick Anderson will call the figures and light refreshments will be served.

THANKS FOR YOUR HELP

The holiday season is here and another year is almost over, but before we take off to join in the festivities we would like to take time to say thanks and to pass out a few bouquets.

We sincerely thank the many staff members who have been so helpful in reporting the happenings around the Laboratory. We hope you will continue to lend us your much needed support during the coming year by sending in your suggestions and contributions.

We would like to issue a personal note of thanks to the two artists who used their much valued time at home to prepare the drawings for this special Christmas issue. Thanks to Shirley Hogge, formerly of Technical Illustrators, for his Christmas scene at Langley and to Wesley Berryman, Technical Illustrators, for his Christmas mobile.

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 celebration but we'll be back in print on Friday, January 6, so until then MERRY CHRISTMAS and HAPPY NEW YEAR.



Diaper Derby

Passing out cigars and candy is William Rollins, West Sheetmetal. He became the father of a daughter on Monday, December 12.



make
Every
day a
holiday
from
accidents

WHITCOMB

(Continued from page 3)

"Also, the honor must be shared with the many individuals in industry and the Armed Services who have been responsible for the difficult task of incorporating the Area Rule into complex supersonic military aircraft. Without the combined efforts of these people, the Area Rule would still be an unused scientific curiosity. Speaking as the representative for all of these, I accept with gratitude this high honor."

Two other high awards were presented at the dinner, which was sponsored by the Aero Club of Washington. All the awards were presented by Vice President Nixon.

Dr. Hugh L. Dryden, NACA Director, received the Wright Brothers Memorial Trophy "for public service of enduring value to aviation in the United States."

Willis C. Brown, specialist for aviation education in the Department of Health, Education, and Welfare, was presented the Frank G. Brewer Trophy "for contributing most to the development of air youth in the field of education and training."

At a special ceremony on December 16 in the Pentagon, Dr. Donald A. Quarles, Secretary of the Air Force, presented the Exceptional Service Award to Whitcomb for scientific achievements "which have greatly enhanced the capability of combat aircraft."

The award is the highest honor bestowed on civilians by the Air Force and was witnessed by officials of the Air Force, NACA Headquarters, and the Langley Laboratory. Whitcomb received a medal and scroll which included the following citation:

"Mr. Richard T. Whitcomb has distinguished himself by exceptionally meritorious service to the United States Air Force as assistant head of the 8-Foot Transonic Tunnels, Langley Aeronautical Laboratory, National Advisory Committee for Aeronautics, from 1951 to 1954. During this period Mr. Whitcomb conducted research which led him to formulate the aeronautical principle known as the Area Rule. This principle has been applied to operational aircraft in the Air Force inventory and is being incorporated into the design of future aircraft. Mr. Whitcomb's research has contributed greatly to the knowledge of flow phenomena and has resulted in a high degree of aerodynamic effi-



Charles Gurtler, Instrument Research Division, will give an illustrated talk on January 13 at the Activities Building on "What Could Your Family Do to Survive a Nuclear Explosion."

A-BOMB SURVIVAL

(Continued from page 3)

on atomic survival.

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 and his group was responsible for making a radiological survey of the fallout area on the test site.

Gurtler is a native of Summerfield, Kansas. He attended Kansas City Junior College and received his B.S. degree in Mechanical Engineering from Kansas State College in 1941. He joined the Laboratory staff on June 1, 1944 as a Mechanical Engineer in the Instrument Research Division.

NEW YEAR'S DANCE

(Continued from page 3)

Building and in the West Area at the Activities Building. 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.

For the safety and protection of persons attending the dance, fireworks will not be permitted in the building.

ciency in aircraft design. His highly technical achievements have greatly enhanced the capability of combat aircraft and merit the gratitude of the United States Air Force."

DR. SEARS NAMED JOURNAL EDITOR

Dr. William R. Sears, director of the Graduate School of Aeronautical Engineering at Cornell University and chairman of the NACA's Subcommittee on Fluid Mechanics, has been named editor of the Journal of the Aeronautical Sciences, published by the Institute of the Aeronautical Sciences.

The I.A.S. announced he will assume editorship of the monthly aeronautical engineering publication on January 1, replacing Dr. Hugh L. Dryden, director of the NACA, who has been editor for the past 15 years. Dr. Dryden asked to be relieved of his editorial duties because of the pressure of other work.

In his new part-time post, Dr. Sears will be responsible for the selection of technical papers to be published in the Journal. In reading and evaluating the papers, he will be assisted by an editorial committee composed of outstanding engineers and research scientists representing many fields of specialization.

A fellow of the I.A.S., Dr. Sears has been director of Cornell's Graduate School of Aeronautical Engineering since it was established in 1946. He was formerly chief of aerodynamics and flight test engineering at Northrop Aircraft, Incorporated. He directed the aerodynamic design of Northrop's P-61 Black Widow and the XB-35 and YB-49 "flying wings."

LIFE INSURANCE DUE JANUARY 1

Members of the NACA Group Life Insurance Plan are reminded to save a few dollars of their Christmas shopping money to pay the quarter premium which is due January 1. Premiums must be paid no later than Friday, January 20, at the end of which time individual memberships will lapse if not paid.

The L.B.M. cards, which serve as a premium notice will be distributed with pay checks on December 29. After the I.B.M. cards have been issued, premiums will be accepted at the following collection points:

East Area - Travel Office, Administration Building.

West Area - Room 116, Warehouse Building.

FOR RENT: Unfurnished apartment. Pate, NN-43673.

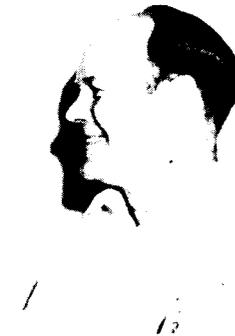
FOR SALE: Kenmore wringer washer. McFarland, H-5681.



John F. A. Franske



Charles H. Zimmerman



Harold B. Tolefson



Eleanor Gobble

EMPLOYEES RECEIVE SERVICE EMBLEMS

During the month of December, four employees were presented 15-year service emblems by their respective division chiefs.

Receiving 15-year pins were the following: John F. A. Franske, Flight Research; Charles H. Zimmerman, Stability Research Division Office; Harold B. Tolefson, Gust Loads; and Eleanor Gobble, Flight Research.

Franske is a native of Viscount, Saskatchewan, Canada. He attended Nutana Collegiate High School in Canada and served in the U.S. Army Air Corps from 1928 to 1940. He entered on duty at the Laboratory on November 5, 1940 as an aeronautical mechanic at Flight Research.

Zimmerman was born in Olathe, Kansas. He graduated from Olathe High School and received his B.S. degree in Electrical Engineering from the University of Kansas in 1929. He first joined the Committee on September 30, 1929 as a junior aeronautical engineer and was assigned to the Atmospheric Wind Tunnel. He left the NACA on August 9, 1937 to accept a position with Chance Vought Aircraft. He returned to the Laboratory on November 1, 1948 and was assigned to Stability Research Division Office. On May 17, 1949 he was appointed Assistant Chief of the Stability Research Division.

Tolefson hails from Westbrook, Minnesota. He graduated from Washburn High School in Minneapolis, Minnesota, and received his B.S. degree in Aeronautical Engineering from the University of Minnesota. Before joining the NACA he worked for North-west Airlines, Incorporated and the U. S. Weather Bureau in Bismarck, North Dakota. He entered on duty at the Laboratory on December 10, 1940 as a junior aeronautical engineer.

Mrs. Gobble was born in Star,

ASSOCIATION THANKS HELPERS AT PARTY

Merle Ott, Chairman of the Children's Committee, would like to thank the volunteer workers and all persons who took part in the program for the Children's Christmas Party.

Volunteering their services for the party were Dick Storey, Virginia Salley, Connie Parker, Roselyn Parker, Mrs. Herbert Roehm, Fred Eichenbrenner, Yvette Ridley, Norma Livesay, Mary Carmines, Edith Whitley, Elizabeth Kittrell, Elizabeth Tench, Bob Latta, Jack Wilkie, Lois Calhoun, Jimmy Paul, and John Terry.

Louise Lee was in charge of the variety show and served as mistress-of-ceremonies for the second performance. David Goldenbaum was master-of-ceremonies for the first show.

Taking part in the program were Betty Jane Marshall, Bill Batte, Ruth Roehm, Dianna Lotz, Sylvia Lotz, Sandra Warren, Brenda Segall, Harry Lee, Sherian Henderson, Myranne Ott, Linda, John and Susan Mattson, and Dolores Lockard.

Members of the Christmas party committee were Matthew Carli, Dave Thomas, Melvin Carmel, George Brooks, Barbara Smith, and Carl Noce.

WANTED: Set of 7:10 by 15 tire chains. Buchanan, W-80643.

WANTED: Passengers to New York Dec. 23. Leybol, 4459.

North Carolina. She received her A.B. degree in Chemistry from Meredith College in Raleigh, North Carolina and joined the Laboratory staff on November 26, 1940 as a junior computer in the Computing Section. Since starting her NACA career, she has worked in 19-Foot Pressure Tunnel, Structures Research, 16-Foot Transonic Tunnel, and Flight Research.

CAMERA CLUB PLANS CONTEST

Judging of the NACA Camera Club's color slide contest will be held at the regular meeting on Monday, January 9.

The contest is open to all club members. No entrance fee will be charged and no prizes, other than recognition, will be awarded.

The contest will be judged by a panel of three persons appointed by the contest committee and judging will be based on composition, interest, and quality.

Only color slides of 35 mm and 2-1/4 by 2-1/4 will be accepted. First, second, and third place winners will be selected in the following classes: landscape, still life, architecture, animal, fish or wild life, and human interest.

Each contestant may enter slides in all classes but not more than a total of five slides.

There are no restrictions as to type of film, use of filter, or special lighting.

The contestant's name must be on each slide and each slide must be in an envelope with the following information written on the front: contestant's name, size of slide, class of entry, and technical information including camera, lens, film, filter, and exposure. All entries will be returned.

Entries must be submitted to Walter Ellis, IRD, by the close of business on Thursday, January 5.

FOR SALE: Girl's 26-inch English bicycle - \$20. Reynolds, NN-22900 after 5.

FOR SALE: Ezra Storm Sunset double hollywood bed - \$40. Hill, NN-25473.

FOR SALE: Complete set of venetian blinds for Southampton apartment. Janow, H-36135.