

## TULLY RETIRES FROM CENTER

William P. Tully, Superintendent of East Machine Shop, retired today after serving more than 28 years with the Administration.

Tully was born October 9, 1891 in Glasgow, Scotland. He attended school in Glasgow and also served his apprenticeship as a machinist there.

Before joining the Center he worked 11 years for the Southern Shipyard Company in Newport News and 9 years for the Newport News Shipbuilding and Dry Dock Company.

He entered on duty at the Center on July 9, 1930 as a machinist at Flight Research. Since coming to Langley, he has worked at the Flight Maintenance and Repair shop, the Erection Shop, and the Machine Shop. He was appointed shop superintendent in 1945.

## LITTLEWOOD NAMED PRESIDENT OF IAS

William Littlewood, Vice President, Equipment Research for American Airlines and IAS American Honorary Fellow for 1957, has been elected President of the Institute for 1959. A former Vice-President of the IAS (in 1950), he succeeds Edward C. Wells, Vice-President, General Manager, Systems Management Office, Boeing Airplane Company.

For 10 years Littlewood served as a member of the Main Committee of the NACA. He was a member of the NASA Industry Consulting Committee and the Committee on Operating Problems and also Chairman of the NASA Subcommittee on Aircraft Noise. He is a member of the ATA Engineering Committee and the ATA Joint Committee on Proximity Warning and Collision Avoidance Systems.

(Continued on page 6)

## DR. REID COMMENDS STAFF MEMBERS FOR 1958 SAFETY RECORD

Dr. H. J. E. Reid, Director, this week expressed his personal thanks to each member of the staff for the cooperation and teamwork which brought the Center an outstanding safety record for 1958.

At the close of 1958, staff members had worked a total of 6,740,244 man-hours. Three lost-time accidents occurred during the year causing 34 days lost for a frequency rate of .45 and a severity rate of 5.04. In 1957 the record stood at 6,734,504 man-hours worked, 3 accidents, 98 days lost, a frequency rate of .45 and a severity rate of 14.55. Frequency rate is the number of lost-time injuries for each million man-hours worked. The severity rate is figured on the number of days lost per million man-hours worked.

"Considering the many dangerous situations involved in our work", Dr. Reid stated, "I congratulate the staff on a splendid job as an organization in helping to prevent accidents. We have also gone a long way as individuals by becoming more conscious of safe practices and more aware

(Continued on page 6)



William P. Tully (right), Superintendent of the East Machine Shop, retired today after serving more than 28 years with the Administration. The above picture was taken when Dr. H. J. E. Reid (left), Director, presented the annual Langley Shop Safety Award to East Machine Shop in 1953.

## HELICOPTER GROUP MEETS JANUARY 16

The Hampton Roads Section of the American Helicopter Society will meet Friday, January 16, in the Williamsburg Room of the Langley Air Force Base Officers Club. A social hour will be held at 7 followed by dinner at 8.

Speaker will be Dr. G. S. Hislop, chief engineer of the Fairey Aviation Company, Ltd.

Reservations must be made by noon January 15, with Pat Bellamy at Trinity 7-1311, extension 6116, or after 5 p.m. with J. Nelson Daniel at Lyric 6-3173.

Air Scoop, January 9, 1959  
Vol. 18, Issue 1

The Air Scoop, an official publication of the Langley Research Center, National Aeronautics and Space Administration, Langley Field, Virginia, is published weekly in the interest of its employees. Address contributions to the Editor, Administration Building, telephone 2376.  
 Editor.....Ruth Angel Verell  
 Staff Photographer.....Bill Taub  
 Reporters.....Langley Employees  
 The Air Scoop is printed by the Mechanical Reproduction Staff.

## LIFE AT LANGLEY

Wedding bells. . . . .

rang last Saturday when Martha Upshur, formerly of the Editorial Office, took her final vows with Dr. Ernest Mapp Dunton, Jr., of Exmore. The wedding took place in the Holmes Presbyterian Church, Bayview.

Dan Cupid. . . . .

scored a victory during the holiday season when Louise Fitzgerald, Analytical Computing, became engaged to Duane Wombolt, Iowa City. Plans call for a summer wedding.

Orange blossoms. . . . .

Another Center maiden, Gloria Fay Booth of Flight Research Division, will change the Miss to Mrs. tomorrow when she takes her final vows with Rudolph Edward Ruskey, Newport News. The wedding will be held at the East Hampton Methodist Church. Charles Booth, Photographic Division, will serve as an usher.

Taking a nose-dive. . . . .

into the sea of matrimony was Larry Glassman, Structures Research Division. He was married to Sandra Gayle Gilman, Baltimore, on Saturday, January 3 in Atlanta, Georgia.

Swing your partner. . . . .

The NASA Promenaders are offering an intermediate course in square dancing for the benefit of persons who haven't danced in quite sometime and want to brush up on the figures. The first lesson will be held tonight from 8 p.m. to 9:30 at Bethel School. From 9:30 until 11 the evening will be devoted to folk dancing lessons. All club members are invited to come out and join in the fun.

Insurance due. . . . .

Members of the NASA Group Life Insurance Plan are reminded that quarterly premiums were due Thursday, January 1 and must be paid no later than Tuesday, January 20, at the end of which time individual memberships will lapse if not paid. Payments may be made in the East Area at the Receptionist Desk, Administration Building, or in the West Area at the Insurance Office, Warehouse Building.

FOR SALE: GE 8-foot refrigerator - \$50, girl's 20-inch bicycle - \$15. Wingfield, PA 2-7677.

WANTED: Ride or driving combination from vicinity of Municipal Airport, Norfolk, to W.A. on 7:30 shift. Louis Wagner, 4586.

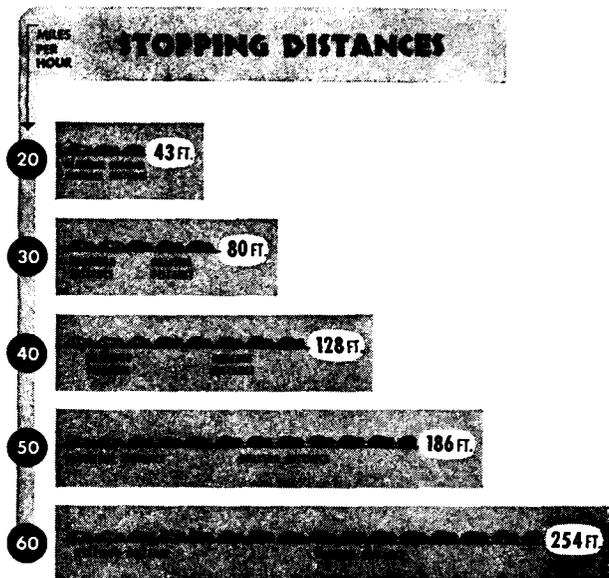
FOR SALE: Boy's 20-inch and 24-inch bicycles. Fuhrmeister, LY 6-2852.

--Combat inflation by buying U.S. Savings Bonds--

## HOW FAST IS FAST?

The driver who gets real pleasure out of motoring wants to get where he is going with the least amount of worry and trouble. His maximum speed is that speed, within legal limits, at which he is sure he can stop his car under existing road, weather, and traffic conditions before striking a person or running into something. He doesn't want to have to worry about getting out of tight places or about causing a collision or smashup. He knows that the distance required to bring his car to a dead stop varies with the speed at which he travels. This includes reaction distance - the distance he travels from the time he decides to stop until he gets his foot down on the brake. It also includes braking distance - the distance he travels while his brakes are bringing his car to a stop.

The diagram below, based on figures furnished by the National Safety Council, shows in car lengths and feet, the distance that an average driver takes to stop his car when road conditions are at their best and when his tires and brakes are in excellent condition. Greater distances are necessary under unfavorable conditions.



## ADULT EDUCATION

The Adult Education Department at Hampton High School announced that registration is now being held for courses being offered for the winter semester.

Sections of Typing I and II, Beginning Shorthand, Intermediate Shorthand and Speed Dictation are being offered in the business field. Eloise McGehee, Flight Research, will instruct the Typing II course.

Other courses for which registration is being accepted include the following: Algebra I and II, Algebra III and IV, Trigonometry, Plane and Solid Geometry, Sewing I and II, Interior Decorating, Art I and II, Applied English, Public Speaking, Drafting, Blueprint Reading, Spanish and French.

The registration desk is located in room 100-A at Hampton High School and is open from 7 to 8:30 p.m. on Monday and Thursday nights or daily from 9 a.m. until 4 p.m. in the adult education office (Room 103) of H. Wilson Thorpe Junior High School.

So far is it from being true that men are naturally equal, that no two people can be half an hour together but one shall acquire an evident superiority over the other.

--Samuel Johnson

# GLENNAN VIEWS FACILITIES, HEARS RESEARCH REPORTS

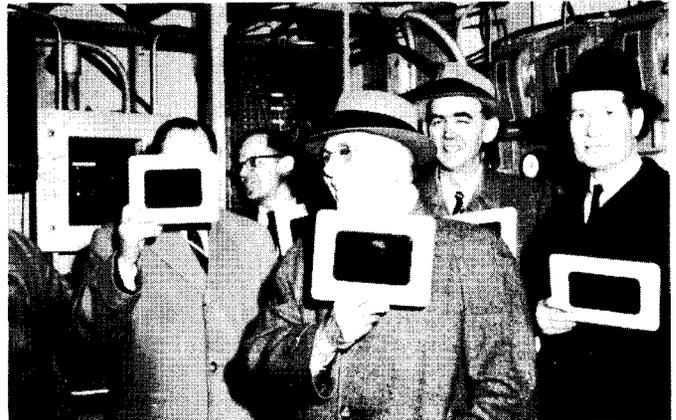
Dr. T. Keith Glennan, Administrator of the National Aeronautics and Space Administration, made his first visit to the Langley Research Center Wednesday.

Earlier that day, the Administrator flew to Wallops Island to visit research facilities there.

Accompanying Dr. Glennan to the Virginia NASA operations were Dr. Hugh L. Dryden, Deputy Administrator; Albert F. Siefert, Director of Business Administration;

John A. Johnson, General Counsel, and James P. Gleason, Assistant Administrator for Congressional Relations.

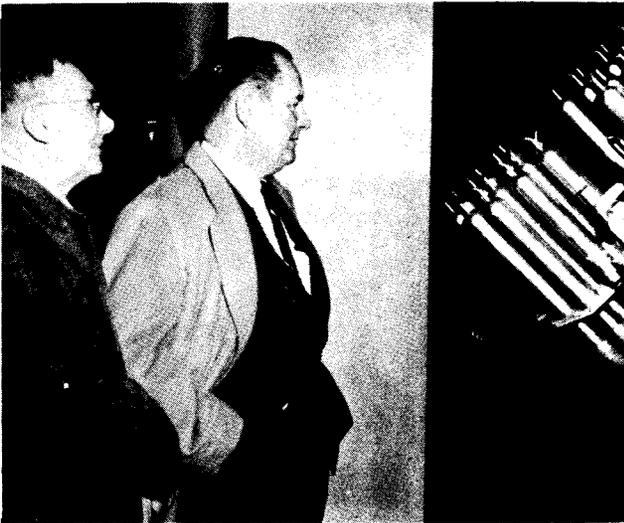
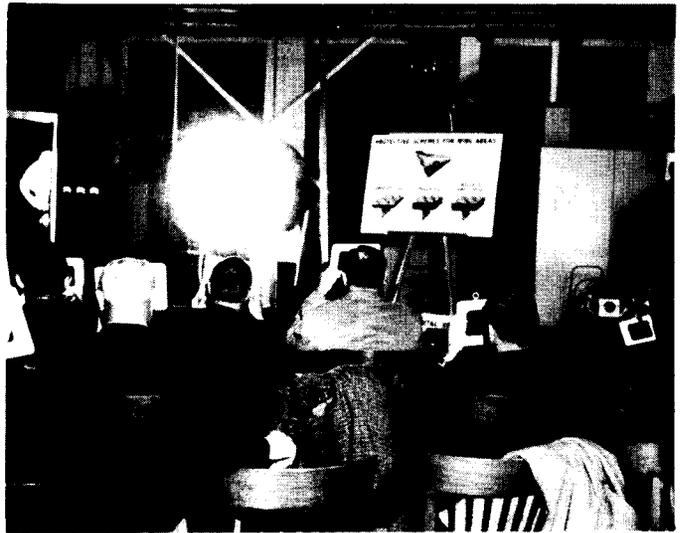
The party arrived at Langley at 11:30 a.m. and received a briefing on research activities. After lunch, Dr. Glennan and his staff toured the Unitary Plan Wind Tunnel, the 11-inch Hypersonic Tunnel, Structures Research and the nine by six-foot Thermal Structures Tunnel.



Top left - Dr. H. J. E. Reid (right), Langley Director, greets Dr. Glennan at the Hangar after his flight from Wallops Island. Top right - Visitors hold eye shields as they prepare to see a demonstration of a Structures Research Division hot jet facility. From left are Dr. Glennan, Siefert, Dr. Dryden, Gleason, and Johnson. Center left - John Stack, Assistant Director, describes a research model in the Unitary Plan Wind Tunnel to

Gleason. Center right - Joseph Kotanchik, Structures, discusses the operation of a hot jet research facility with Dr. Glennan. Lower left - Jack Heberlig (left), Space Vehicle Group, gives a briefing on human support systems. Lower right - William J. O'Sullivan Jr., head of Space Vehicles Group, points out features of NASA 12-foot satellite flight package.

--Photographs by Bill Taub



Top left - Dr. Reid and Dr. Dryden consult during tour. Top right - Richard R. Heldenfels, Chief of Structures Research Division, briefs the visitors on research at the 9 by 6-foot Thermal Structures Tunnel. Center left - Herbert A. Wilson, Jr., (right), Chief of Unitary Plan Wind Tunnel, guides the group through

Unitary. Center right - Example of experiments in high temperature research is demonstrated in Structures Research. Lower left - Eugene Draley, Assistant Director, Dr. Dryden and Dr. Glennan look over model of tank farm of 9 by 6-foot tunnel. Lower right - Dr. Reid bids good-bye to NASA's Administrator.

# BOWLING NEWS

## TENPIN LEAGUE

Flight moved from second to first to start the year off with a record of 46.5 wins and 21.5 losses. Eagles dropped to second with 45 wins and 23 losses. Tied for third are Fivers and Flight Engineers with 44.5 wins and 23.5 losses each. Top scores for the men were rolled by Troy Brooks with a 223 game and 632 set. Leading the members of the fairer sex were Lois Tilson with a 203 game and Kay DeSander with a 551 set. Flight rolled high team game with 979 and Flight Engineers took high team set with 2732.

### STANDINGS

Team	W	L	Avg.
Flight	46.5	21.5	.684
Eagles	45	23	.662
Fivers	44.5	23.5	.654
Flight Engineers	44.5	23.5	.654
ISS	43	25	.632
Unitary	41	27	.603
Short Circuits	36	32	.529
Free Flight	35.5	32.5	.522
Pinbusters	34.5	33.5	.507
Hornets	34	34	.500
Greenhorns	31.5	36.5	.463
Full Scale	31	37	.456
Spare Oops	30	38	.441
IRD	28	40	.412
W. Fabrication	28	40	.412
Analogs	23	45	.338
Fiscal	21	47	.310
Sleepers	15	53	.221

## FORMER EMPLOYEE DIES IN FRANKLIN

John Daniel Rawls, retired employee, died at his home in Franklin on Sunday, December 21.

Rawls was born December 2, 1882 in Nansemond County and attended Franklin Academy in Franklin. Before joining the Center he worked for the Camp Manufacturing Company in Franklin, the American Lumber Company in Suffolk, and the N. C. Pine Association in Norfolk.

He entered on duty at the Center on December 29, 1944 as a purchase clerk and resigned because of ill health on October 4, 1954.

FOR SALE: Man's navy cashmere and wool overcoat - size 42-44 - \$50. Tuttle, PA 5-6363.

FOR SALE: Baby crib - \$10. Sokol, PA 3-8436 after 4 p.m.

FOR SALE: Harley Davidson 125 motorcycle. Price, LY 6-3490.

FOR SALE: 4 rooms of furniture. Mrs. Diaz, Norfolk, Justice 7-3920 after 6 p.m.



## 144 EMPLOYEES DONATE BLOOD

Staff members donated a total of 144 pints of blood when the Red Cross Bloodmobile recently made its last visit for 1958 to the Center. The donations brought the Center's total for 1958 to 779 pints, 29 less than the 750 quota.

Harold H. Youngblood, Instrument Research Division, became a four-gallon donor when he gave his 32nd pint. James J. Fay, West Machine Shop, has given two gallons.

One-gallon donors were: Lou Young, Full Scale Research; William R. Messick, East Machine Shop; Everette Davis, Structures; Earl J. White, West Machine; Kenneth Christopher, Hydrodynamics; James H. Link, West Model Shop; Edgar D. Freeman, Electronic Instrument Construction; Walter J. Dale, West Sheetmetal; Ralph W. Stone, Stability Research Division; May Meadows, Gust Loads, and Robert Thompson, 7 by 10-foot Wind Tunnels.

WANTED: Driving combination from Sussex-Hilton or Warwick Gardens to E.A. on 8 shift. Tankersley, 2393 or CH 4-6944.

FOR RENT: 6-room house on 4 acres of land. Large cinder block chicken house on property. Williams, CH 4-3275.

FOR SALE: 3-bedroom rancher at 37 W. Moreland Dr., Belleview Terrace. Built-in kitchen. Weinstein, PA 2-6455 after 5 p.m.

## ANNUAL CREDIT UNION MEETING JANUARY 19

The annual membership meeting of the Langley Credit Union will be held Monday, January 19 at 6:30 p.m. at the Activities Building. Dinner will be served followed by a business meeting and election of officers. During the meeting it is planned to hold a round-table discussion designed to acquaint the membership better with the affairs and management of the Credit Union.

Tickets for the dinner may be obtained for 75 cents at the Credit Union offices through January 12. Because of the available facilities, it is necessary to limit the attendance at the dinner to 500; therefore, tickets will be issued to members only on a first-come-first-served basis and members are urged to get their tickets promptly.

This meeting is one time when members can get together and talk over the way their elected representatives have been managing the Credit Union and register their criticisms and suggestions. A well-attended annual meeting and healthy discussion makes for an active "live-wire" Union.

WANTED: Driving combination from vicinity of James River Bridge to W.A. on 8 shift. Glassman, 4459.

FOR SALE: Set of venetian blinds for 3-room Southampton apartment. Haynie, CH 4-1694.

WANTED: Ride from Ferguson Park to E.A. on 8 shift. Joyce Overby, 2377.

# LITTLEWOOD

(Continued from page 1)

Littlewood was recently named the recipient of the Daniel Guggenheim Medal for 1958. The medal is given annually by the Daniel Guggenheim Medal Fund, Inc., to honor persons who make notable achievements in the advancement of aeronautics. Littlewood was the unanimous selection of the Medal Board of Award and received the distinguished honor "for leadership and continuous personal participation over a quarter of a century in developing the equipment and operating techniques of air transport."

Recognized as a leading air transport engineer, he has made basic contributions to many widely used commercial aircraft, among them the DC-3, DC-4, DC-6, DC-7 and Convair 240.

Littlewood's career in aviation began in 1927 with Fairchild Engine Corporation where he became general manager.

He joined American Airways in 1930, and, when the firm was reorganized in 1934 as American Airlines, he remained as chief engineer. He became vice-president of Engineering 3 years later.

In 1935 he received the SAE Wright Brothers Medal for an "outstanding contribution to aviation," and in 1952 gave the 16th Annual Wright Brothers Lecture on invitation of the IAS, with which he became affiliated in 1936. In 1956 he received the Award of the Flight Safety Foundation for work in that field.

Littlewood was born in New York City on October 21, 1898, and was educated in Long Island public schools and at Cornell University. While an undergraduate at Cornell he was awarded the Sibley Prize, symbol of the highest rating in engineering studies for 2 consecutive years.

After graduation in 1920, he spent seven years in the machine tool and heavy machinery industries before going with Fairchild in 1927.

**FOR RENT:** Furnished garage apartment. E. B. Davis, TR 7-0968.

**WANTED:** Driving combination from Riverside to W.A. on 7:30 shift. Morewitz, 4470.

**FOUND:** Lady's long white gloves at Activities Building. Haight, 4656.

**WANTED:** Ride from Stuart Gardens to E.A. on 7 shift. Betty Downing, 4576 or CH 7-1024.

# RED TAPE?



## NO!

Some folks think that safety rules are a lot of red tape to tie them up in their work. Ask the worker who's been saved by safety rules . . . he'll tell you rules are lifelines — not red tape!



**"GET WISE,  
BROTHER"**

## SPARKS FROM THE FIREMAN'S MAILBAG

While the Fire Prevention Inspector would hardly call this an approved method of fire extinguishment, it does show how quick thinking can avert a serious fire.

An Elmira, N. Y., landscape gardner recently averted a possible serious fire by means of a load of top soil.

Roland Sheppard was driving in his truck by a West Elmira gas station when a pump was sheared off by a car involved in a collision. The pump ignited and flames shot high in the air. Seeing the fire, Sheppard wheeled his truckload of dirt to the scene and dumped it on the fire, smothering it.

**WANTED:** 2 drivers for 5-man car pool from Wilkens Pk. and Riverdale area to W.A. on 8 shift. Wadlin, 4796.

**FOR SALE:** 2 wooded lots in Edgehill section, York County. Jones, LY 6-8310.

**WANTED:** Driving combination or ride from Brentwood to W.A. on 8 shift. Rawles, 2336.

# SAFETY RECORD

(Continued from page 1)

of the damages resulting from carelessness.

"Each of us should resolve to be more careful in the year to come and to act as our brother's keeper by helping others become more safety conscious and prevent accidents."

Dr. Reid pointed out that one of the most important aspects of the Center's safety record is that the increased safety consciousness developed on the job remains with an employee after working hours and plays a large part in helping to reduce accidents on the highways, in the community, and in the home.

Dr. Reid stated that the Center is making a serious effort to live up to its obligations of safety by providing proper working conditions, furnishing protective clothing and equipment, and educating the staff to various on-the-job dangers in order that they may take the precautions necessary to avoid injury.

## 3 STAFF MEMBERS TO PARTICIPATE IN SAE MEETING

Three Langley scientists will take part in the annual meeting of the Society of Automotive Engineers which begins Monday in Detroit. Approximately 1,000 are expected at the five-day meeting.

T. Aubrey Harris, Chief of the Stability Research Division, is chairman of the session on Aerial Jeeps, to be held Tuesday afternoon. Secretary of the Aerial Jeep committee of the society is John G. Lowry, head of the Components Section of Stability Research Division.

A paper on "The Stability and Control Problems of the Aerial Jeep" will be presented at this session by M. O. McKinney, head of the Vertical Takeoff and Landing (VTOL) Section.

The three flying jeep test beds now being considered by the Army will be described by representatives of the Curtiss-Wright, Chrysler and Piasecki firms.

Banquet speaker Wednesday will be Dr. T. Keith Glennan, NASA Administrator.

**FOR RENT:** Room. Mrs. Barclay, 42 Locust Ave., CH 5-7707.

**WANTED:** Ride in afternoon from W.A. to Pine Chapel Village. Una Emerson, 4536.

# AIR SCOOP



## CREDIT UNION MEETS JAN. 19

The election of officers for the coming year will be one of the main items of business at the annual meeting of the Langley Credit Union which will be held on Monday, January 19 at the Activities Building. Dinner will be served at 6:30 p.m. followed by the business meeting.

The nominating committee has proposed the following nominees:

Board of Directors - Ben Ellis, Victor Harkavy, Albert von Doenhoff, and James Tingle. Present members of the board who are not up for re-election are Robert Girouard, William Pickens, Draper Smith, George MacDougall and Bernard Deem.

Supervisory Committee - Kenneth Forrest and Nick Jevas.

Credit Committee - Daniel Stedman, Roger Peters, and Thelma Cullum.

The nominating committee consists of Walter Hixon, William Craig and Clyde Thiele.

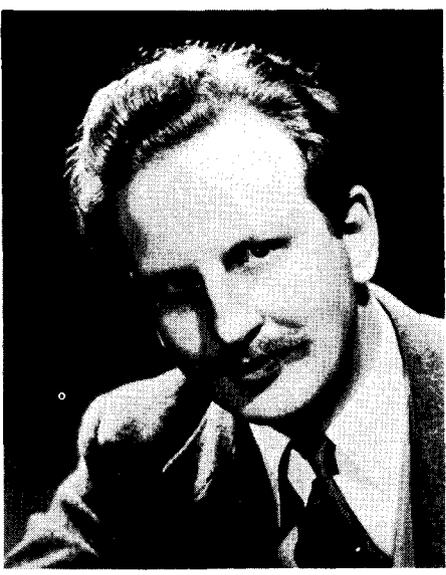
## HAMPTON OFFERS X-RAY SERVICE

Upon the advice of health department and Headquarters officials it was decided to hold Center-wide 70mm chest X-ray surveys at intervals of 2 or 3 years rather than annually as has been the custom for the past several years.

The following information is published for the benefit of employees who have been advised to have more frequent 70 mm X-rays for themselves or for members of their families desiring this service.

The Hampton Health Department has recently made permanent installation of 70 mm equipment. Any person over 18 years of age may have a chest X-ray without appointment and without charge on the first four Wednesdays of each month. The hours are 9 a.m. to noon and 1 to 3:30 p.m.

Air Scoop, January 16, 1959  
Vol. 18, Issue 2



Ivor Noel-Hume

## FORMER EMPLOYEE KILLED IN ACCIDENT

The Rev. George R. S. Little, former Center employee, was killed last week in an automobile accident at Trona, California.

The Rev. Little was born June 2, 1913 in Brooklyn, New York. He was educated in Hampton schools, Oak Ridge Military Academy, College of William and Mary and Episcopal Theological Seminary of Alexandria.

Before joining the Center he worked for the Newport News Shipbuilding and Dry Dock Company, Federal Shipbuilding and Dry Dock Company in Kearney, New Jersey, Norfolk Navy Yard, and Mechanical Division, Panama Canal Zone.

He entered on duty July 1, 1940 as a senior coppersmith and resigned in 1941 to accept a position in the Panama Canal Zone. He returned on June 5, 1947 and resigned September 16, 1949 to study for the ministry.

At the time of his death, he was serving as rector of St. Christopher Episcopal Church in Trona. He was assistant rector of St. John's Episcopal Church in Hampton and rector of Emmanuel Episcopal in Phoebus for several years during the early 50's.

## LOCAL RESA CHAPTER TO HEAR NOEL-HUME

Ivor Noel-Hume, Chief Archeologist of Colonial Williamsburg, will speak on "The Secret Earth of Williamsburg" at a dinner-meeting of the RESA branch of the Scientific Research Society of America on Jan. 20 at 7:15 p.m. at the Langley Officers Club. Officers for 1959 will be elected at the meeting.

Noel-Hume first came to Williamsburg in 1956 when he took a leave of absence of several months from Guildhall Museum in London to act as archaeological consultant to Colonial Williamsburg and gather material for a book on beverage bottles. In February, 1957, he resigned as archaeologist at Guildhall Museum to accept the appointment as Chief Archaeologist at Colonial Williamsburg.

He was educated at Framlingham College and St. Lawrence College in England and during World War II served with the Indian Army.

In connection with his work at Guildhall, Noel-Hume was responsible for the recovery and recording of antiquities revealed as a result of wartime bombings in London. From 1953-1954 he was also an honorary curator of the John Evelyn Museum in London.

Noel-Hume has contributed articles on antique glass to Connoisseur, Antiques, Appollo, Country Life, Antique Dealer and Collector's Guide and is a regular contributor to the Wind and Spirits Trade Record. His articles on antiques and archaeology have appeared in children's books, radio periodicals and leading newspapers. He has had a number of archaeological papers published by technical and antique society bulletins. He is author of "Archaeology in Britain", "Treasure in the Thames," and "Great Moments in Archaeology."

He is interested in natural history and is a co-author with his wife, Audrey Noel-Hume, of "A Handbook on Tortoises, Terrapins and Turtles."

Non-members interested in attending the meeting are requested to contact Jack Eggleston, 4510, by Monday morning.

MR. CHAMBERLIN

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 Staff Photographer.....Bill Taub  
 Reporters.....Langley Employees  
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## LIFE AT LANGLEY

New Rockette. . . . .

Announcing the arrival of a daughter on Wednesday, January 7 are Mary Elizabeth, formerly of Pilotless Aircraft Research Division, and Peter Stack, formerly of Instrument Research.

The pay day. . . . .

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

Weighing in. . . . .

at seven pounds, two ounces on Monday, December 22 was Stephen Michael, new heir of W. J. Alford, 7 by 10-foot Wind Tunnels.

The Singleton Club. . . . .

will sponsor an ice skating party on Thursday, January 22 at the Ice Plaza in Norfolk. Members are requested to meet in front of the Southampton Pharmacy on Thursday at 7 p.m. for transportation to and from Norfolk. On February 12 the group will hold a Valentine Dance at the Activities Building. Dancing will be from 8:30 p.m. to midnight to recorded music. Dues for the dance will be fifty cents for each member. Further information may be obtained from Louise Fitzgerald, 2386, or Jack Levine, 4463.

Dan Cupid. . . . .

scored a victory when Peggy Holloway, 7 by 10-foot Wind Tunnels, and Julius Harris, Structures Research, announced their engagement. Plans call for a March wedding.

Arriving. . . . .

too late to make the income tax deduction deadline was a son who was delivered to the Floyd Bennett household on Wednesday, January 7. The proud father works in Dynamic Loads Analysis.

The Air Scoop. . . . .

recently received a card from Clinton H. Dearborn, formerly of Langley and Washington Headquarters. Dearborn is enjoying his retirement in Florida and his new address is 105 Polk Drive, Winter Haven, Florida.

Lacklen nominated. . . . .

Robert J. Lacklen, NASA Director of Personnel, has been nominated by the Washington chapter of the Public Personnel Association for the 1959 award of merit in honor of Leonard D. White, former Civil Service Commission member.

Diaper Line. . . . .

During his travels the stork stopped by the John Walker household on Saturday, January 10 and delivered a new heir. The proud father works in West Machine Shop.



Dr. T. Keith Glennan (left), NASA Administrator, and James S. McDonnell, President of the McDonnell Aircraft Corporation, St. Louis, Missouri, examine a model of a proposed space capsule system similar to one which will ultimately carry man into orbit around the earth. McDonnell met with Dr. Glennan in Washington January 12 after the NASA announced it had selected McDonnell Aircraft Corp. as the source for the design, development, and construction of a manned satellite system. The capsule is part of the NASA's Project Mercury which also includes ground testing, development and qualification flight testing, and pilot training. The project is being carried out by the NASA Space Task Group located at Langley.

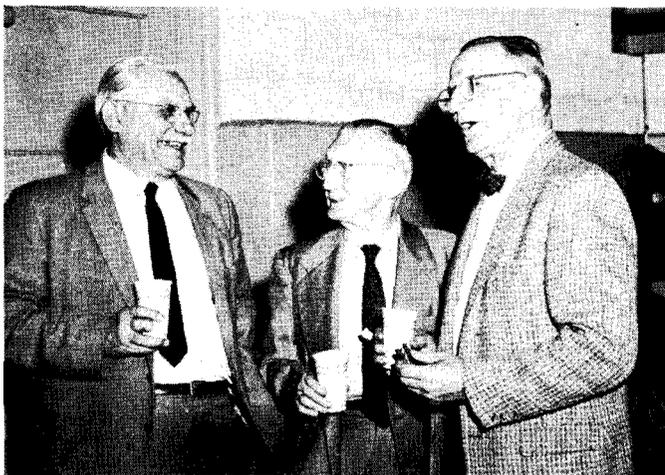
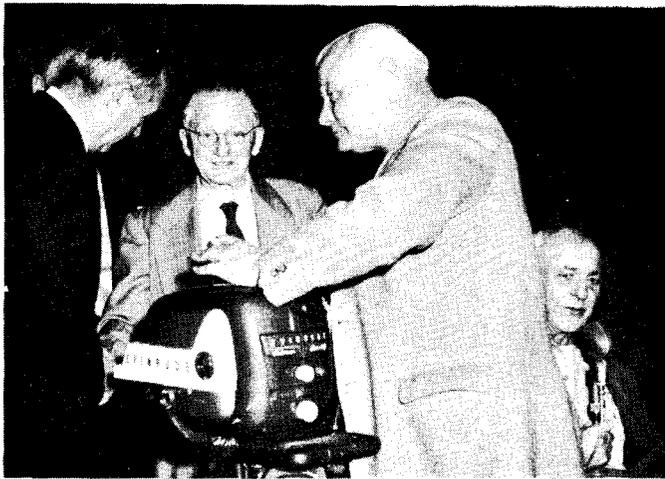
## HOW'S YOUR DRIVING?

It is human nature to be annoyed when another driver takes advantage of you and rushes by on the right. You can help stop this practice yourself by keeping to the right except when about to make a left turn, or when overtaking another car going in the same direction. You will also enjoy your driving more by keeping out of the



stream of traffic unless you are traveling at a normal rate of speed for the road. Remember, a "slow poke" who holds up traffic can be as hazardous as a "road hog".

WANTED: Ride from Buckroe-Fordham area to W.A. on 8 shift. Mary Driver, 2233.



William P. Tully, Superintendent of the East Machine Shop, was recently honored by friends and co-workers on the occasion of his retirement from the Center. Upper left - Tully (center) shows his going away present to John Stack (left), Assistant Director, and Percy Crain, head of Technical Services. Upper right - Master-of-ceremonies T. Melvin Butler, Acting Administrative Management Officer, introduces the honored guest. Lower left - Tully talks over old times with Percy T.

Keffer (left), head of Woodworking Branch and the Center's present oldest employee in point of service, and Robert E. Mixson, the former oldest employee in length of service now retired. Lower right - Tully poses with (from left) John R. Atkinson, Gas Dynamics; Herbert Roehm, East Machine Shop, his son Roland Tully, Instrument Construction, and Marion O. Seyffert, head of Machine Branch. Tully retired after serving more than 28 years with the Administration.

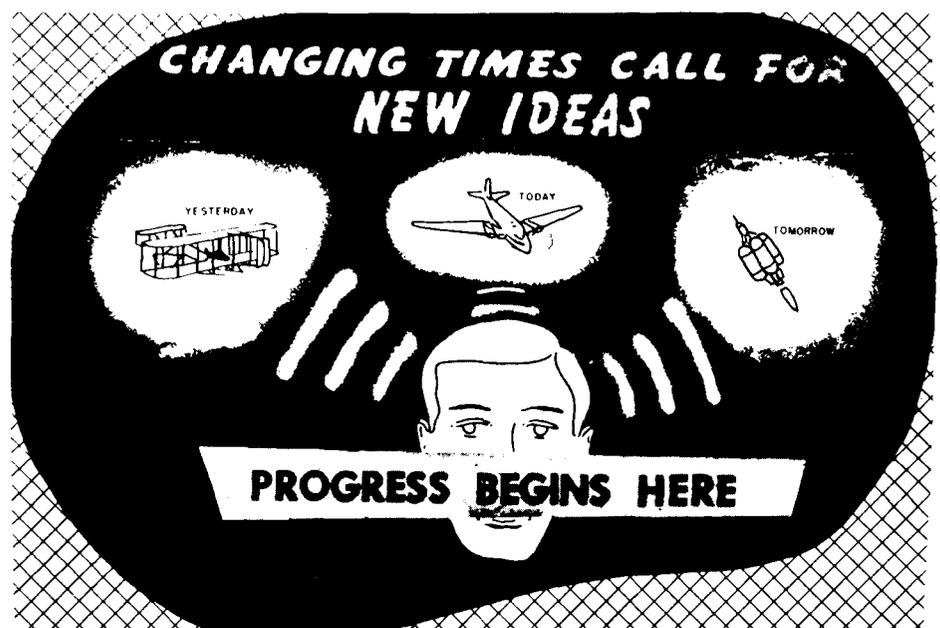
## FILM CLUB OPENS SERIES SATURDAY

The Film Classic Club will start a new series of movies tomorrow night at 8 o'clock at the Jewish Community Center.

The series will open with the first showing of the British film "Father Brown", starring Alec Guinness. The story is a comedy based on the famous Chesterton story. It concerns Father Brown, a sleuthing cleric, who is always one step ahead of Scotland Yard in his pursuit of criminals to reform them before they land in jail.

The movie will be followed by a social hour and a discussion of the film.

Admission for the six-film series is three dollars and admission for single movies is sixty cents.



# BOWLING NEWS

## TENPIN LEAGUE

Flight won three games over the bottom place Sleepers to remain in first place with 49.5 wins and 22.5 losses. Eagles are in second with 48 wins and 24 losses and ISS moved up to third with 46 wins and 26 losses. Fivers dropped to a two-way tie with Flight Engineers for fourth. Top scores were rolled by Art Franklin with a 246 game and 613 set. Leading the women was Lois Tilson with a 212 game and 552 set. Spare Oops rolled high team game and set with 977 and 2781, respectively.

### STANDINGS

Team	W	L	Avg.
Flight	49.5	22.5	.688
Eagles	48	24	.667
ISS	46	26	.639
Fivers	45.5	26.5	.632
Flight Engineers	45.5	26.5	.632
Unitary	46	27	.625
Free Flight	38.5	33.5	.535
Pinbusters	38	34	.528
Short Circuits	37	35	.514
Hornets	34	38	.472
Spare Oops	34	38	.472
Greenhorns	32.5	39.5	.451
Full Scale	32	40	.444
W. Fabrication	31	41	.431
IRD	28.5	43.5	.396
Analogs	26	46	.361
Fiscal	21	51	.292
Sleepers	16	56	.222

## THURSDAY DUCKPIN LEAGUE

Hot Shots lead the Thursday night bowlers with a record of 26 wins and 13 losses. West Fabrication is in second with 23 wins and 16 losses and East Machine II trails in third by a one-game margin. Top scoring honors went to Chuck Edmondson with a 131 game and 344 set. Rolling high scores for the women were Iretta Stoops with a 97 game and Mary Carmines with a 265 set.

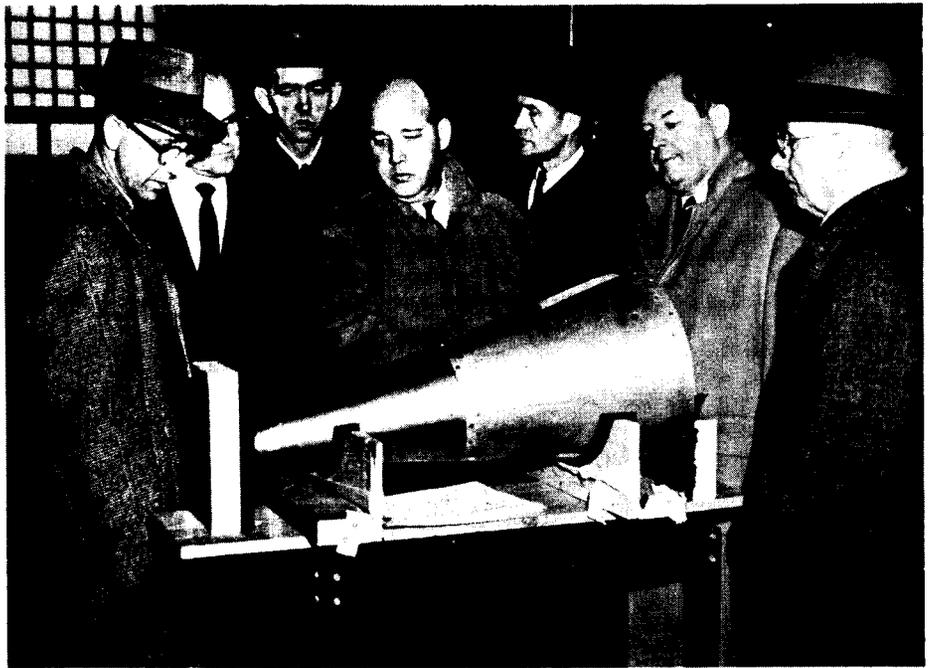
### STANDINGS

Team	W	L	Avg.
Hot Shots	26	13	.667
W. Fabrication	23	16	.589
E. Machine II	22	17	.564
Pistons	20	19	.513
Rebel Bombers	19	20	.487
Jets	18	21	.462
Spacers	17	22	.436
Peons	11	28	.282

FOR SALE: Boy's 20-inch bicycle - \$10; chain-drive tricycle - needs repairs - \$3.50; small tricycle - \$5. Hudgins, LY 6-1997.

FOR SALE: Children's yard swing set - large size - \$12; 21-inch TV Silvertone - \$50. Wray, 4604 Victoria Blvd.

FOR SALE: Hastings FM car radio tuner - \$45. Buhler, PA 2-6440.



During his visit last week to the Virginia NASA operations, Dr. T. Keith Glennan, NASA Administrator, flew to Wallops Island to visit research facilities there. Shown above are (from left): John C. Palmer, head of Research Section at Wallops; Albert F. Siefert, NASA Director of Business Administration; James P. Gleason, Assistant Administrator for Congressional Relations; Robert L. Krieger, Engineer-in-Charge at Wallops; John A. Johnson, NASA General Counsel; Dr. Glennan, and Dr. Hugh L. Dryden, NASA Deputy Administrator. --Photo by Donald Foster

# BASKETBALL NEWS

Representatives of eight teams met on January 7 and organized the 1959 NASA Basketball League. In an effort to make the season an interesting and competitive one, the following decisions were reached:

1. Individual trophies will be awarded to the members of the team finishing with the best season's record.

2. Individual trophies will be awarded to the members of the team winning the play-off between the four top teams in the standings at the season's end.

3. The games will be 32 minutes in length and divided into four quarters with the clock stopped for fouls, jump balls, and timeouts.

4. All college rules will prevail, including the new one-and-one foul shot rule whereby a team is allowed to commit four fouls in each half with these being one shot fouls; more than four will result in a one-and-one foul shot attempt. All fouls against the shooter will be regular two-shot fouls. The league will also use the 12-foot, 3-second zone.

5. Each team will have its own uniform color and all team members will be required to have a team colored shirt with a number on it.

6. League games will be played on Monday and Wednesday nights with game starting times at 5:15, 6:30, 7:45 and 9. Each team will have 15 minutes prior to game time in which to warm-up. Every effort will be made to start games promptly.

Games scheduled for next Wednesday night are as follows: 5:15 - West Fabrication vs. West Machine, 6:30 - West Electrical vs. IRD; 7:45 - Purple Probes vs. Greenhorns, and 9 - Greystocks vs. EICS.

WANTED: Additional driver for car pool from Riverside to W.A. on 8 shift. Jaehrig, 2336.

WANTED: Electric or gas stove. Miller, PA 2-8993.

FOR SALE: 120 bass accordion and boy's 26-inch bicycle - \$10. Boxer, CH 5-6212.

WANTED: Fifth driver from vicinity of Deer Park School to W.A. on 7:30 shift. W. T. Davis, 4611.

FOR RENT: 3-bedroom house at 143 Ransone Rd. Balinski, PA 3-8086.

FOR SALE: 3-bedroom rancher at 24 Brookfield Drive, Riverdale. Built-in kitchen, fireplace and large family room. Harry Kolcum, PA 3-2639.

# AIR SCOOP

## NAMES OF MERCURY ASTRONAUTS ANNOUNCED



Malcolm S. Carpenter



Leroy G. Cooper, Jr.



John H. Glenn, Jr.



Virgil I. Grissom



Walter M. Schirra



Alan B. Shepard, Jr.



Donald K. Slayton

### NEW SUBSCRIBERS NEEDED TO MEET BOND QUOTA

A number of staff members have responded to the Treasury Department's request that NASA make a concerted effort to increase the sale of savings bonds through the payroll deduction plan, according to a report from the Payroll Office.

The Treasury's goal for this year is to sign up 25 per cent of the non-subscribers in the plan to purchase U.S. savings bonds through payroll allotment by the end of May - only seven weeks away. In order for Langley to meet this quota, it will be necessary for approximately 300 new subscribers to sign up in the bond program.

Langley ended 1958 with a

(Continued on page 4)

### FEDERAL DRIVE ENDS AT CENTER

The 1959 campaign drive at Langley for the National Health Agencies and the Joint Crusades has been completed. Gordon Mercer, drive chairman, announced that he was pleased to note that a larger percentage of employees participated in the effort this year.

Mercer stated the sealed envelopes are not opened at Langley; however, campaign officials will be advised of the amount contributed and how it was designated. The information will be published in Air Scoop as soon as it is available.

Air Scoop, April 10, 1959  
Vol. 18, Issue 14

### SEVEN CHOSEN AS ASTRONAUTS

The names of the seven men selected as Project Mercury Astronauts were announced at a press conference held yesterday at NASA Headquarters in Washington.

Named as Mercury Astronauts were Malcolm S. Carpenter, Leroy G. Cooper, Jr., John H. Glenn, Jr., Virgil I. Grissom, Walter M. Schirra, Alan B. Shepard, Jr., and Donald K. Slayton.

The seven will be assigned to the Space Task Group which is located at Langley.

Originally scheduled to include an even dozen astronauts, the group was narrowed to seven in the final selection, in order

(Continued on page 4)

BETTY VICTORY

LANGLEY RESEARCH CENTER

The Air Scoop, an official publication of the Langley Research Center, National Aeronautics and Space Administration, Langley Field, Virginia, is published weekly in the interest of its employees. Address contributions to the Editor, Room 104, Warehouse Building, telephone 4570.

Editor.....Ruth Angel Verell  
Staff Photographer.....Bill Taub  
Reporters.....Langley Employees  
The Air Scoop is printed by the Mechanical  
Reproduction Staff.

## LIFE AT LANGLEY

New Rockette. . . . .

Celebrating the arrival of a daughter on Wednesday, April 1 is James Manning, Atmospheric and Acoustics Branch.

Another proud father. . . . .

who is passing out cigars and candy is Woodrow Buchanan, Heating Plant. He became the father of a daughter on Tuesday, March 31.

The pay day. . . . .

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

During his travels. . . . .

the stork stopped by the Ralph Parks household on Tuesday, March 31 and delivered a new heir. The proud father works in Electrical Service.

Wedding bells. . . . .

rang on Saturday, March 29 when J. Barton Edwards, Analytical Computing, and Walter Bruce, Structures Research, took their final vows at the Rich Square Baptist Church in Rich Square, North Carolina. George Burrill, Instrument Research Division, served as best man.

Word has been received. . . . .

of the death of Mabry V. Organ, assistant chief of construction and technical services at Plum Brook facility. Organ, who died on Sunday, March 15 in Sandusky, Ohio, was a native of Liberty, Tennessee. He received his B.S. degree from Tennessee Polytechnic Institute in 1939 and joined the Langley staff in January, 1940. He transferred to Lewis Research Center in December, 1941. He is survived by his wife and four children.

Midnight serenader. . . . .

Keeping the Meredith Appleton household awake nights is a daughter who arrived on Sunday, April 5. The father works in Instrument Research Division.

A horse show. . . . .

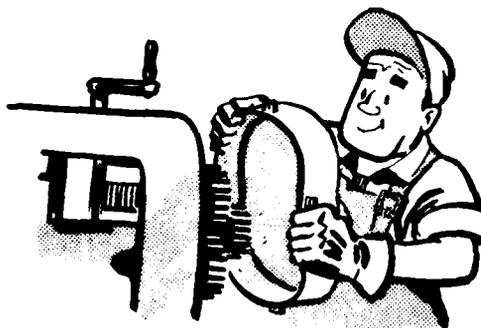
sponsored by the East Hampton Woman's Club for the benefit of Patrick Henry Hospital, will be held tomorrow at 10 a.m. on Todd's Lane behind WGH Radio Station. Admission will be free and pony cart rides will be available for children of all ages.

Congratulations. . . . .

to Stephen J. Siegel, Pilotless Aircraft Research Division, for picking the most winners in the Hollywood Oscars Awards contest sponsored by the Peninsula Theatre Association and the merchants of downtown Newport News. His winning entry topped 1500 others and he will receive a trip to New York with all expenses paid and a sizeable merchandise certificate.

## BUTCH LEARNED THE HARD WAY

### LET THE GUARD *Guard You*



Butch was quick. He was good—and he knew it. But he hated to stop and adjust the guard before starting the machine.

"Guards and goggles are for the Milquetoasts," he chuckled, and hid the guard under his bench. When the stockman passed down the aisle and bumped against him, Butch's hand was shoved past where the guard should have been and into the revolving gears of the machine.

Butch pushed the stop button—but not soon enough. The machine nipped the tips of two fingers.

"I'm a Milquetoast from here on out," Butch said as he headed for first aid.

Now, we are all Milquetoasts in this shop. *We keep the guards on the machines that are in motion, and we wear properly fitted goggles at our work.*

## HOUSING FACILITIES NEEDED

A number of new employees are entering on duty at the Center and the Employment Office is in need of a list of housing facilities available for rent.

Anyone knowing of available furnished or unfurnished apartments and houses are asked to call the Employment Office, telephone 4704 or PARK 2-6341, extension 167.

An Automobile Show. . . . .

will be held at the War Memorial Stadium on Pembroke Avenue in Hampton on Thursday, Friday and Saturday, April 16, 17 and 18. The show, sponsored by the Hampton Roads Jaycees will run from 4 p.m. to 10 p.m. on Thursday and Friday and from 10 a.m. to 10 p.m. on Saturday. There will be on display at the show approximately 90 American-made cars, plus motorcycles and special exhibits. The special exhibits will include an experimental car, a cutaway-operating car, as well as operating exhibits of various parts and systems used on today's autos. There will be given away on Saturday, two electrically operated children sized cars and the winner's choice of a 1959 Chevrolet, Ford, Lark or Plymouth. Special entertainment will be presented by professional and local talent during the show. Admission is fifty cents and tickets are available through members of the Jaycees, as well as at the gate.

A Center romance. . . . .

was climaxed last Saturday when Mary Talmage and Jack Kaylor, both of Analytical Computing, took their final vows at the home of the bride in Petersburg. Joe Young and Fred Nau, both of Analytical Computing, served as best man and usher, respectively.

# BOWLING NEWS

## THURSDAY DUCKPIN LEAGUE

Pistons dropped from the league last week so all matches rolled against them in the present round are nullified according to the rules and regulations set up for this season. Hot Shots remains in first place with 45 wins and 27 losses and Rebel Bombers are in second with 41 wins and 31 losses. Top scores for the week were rolled by Bob Keller with a 133 game and 379 set and Mary Carmines with a 114 game and 307 set. Hot Shots rolled high team game and set with 549 and 1595.

### STANDINGS

Team	W	L	Avg.
Hot Shots	45	27	.611
Rebel Bombers	41	31	.568
W. Fabrication	39	33	.542
East Machine 2	39	36	.520
Spacers	38	37	.507
Jets	34	38	.472
Peons	25	50	.333

## TENPIN LEAGUE

Flight Engineers won all four games this week to increase their lead to 82.5 wins and 37.5 losses. ISS won three games to remain in second with 79 wins and 41 losses. Unitary moved back into third place and Eagles dropped to fourth. Top scores for the men were rolled by John Campbell with a 231 game and Howard Hatch with a 621 set. Tops for the members of the fairer sex were Ferne Gopcynski with a 203 game and Annabelle Watts with a 556 set. Spare Oops rolled high team game with 960 and Flight Engineers took high team set with 2728.

### STANDINGS

Team	W	L	Avg.
Flight Engineers	82.5	37.5	.688
ISS	79	41	.658
Unitary	76	44	.633
Eagles	75	45	.625
Flight	73.5	46.5	.613
Free Flight	68.5	51.5	.571
Fivers	66.5	53.5	.554
Short Circuits	63.5	56.5	.559
Hornets	62	58	.518
Spare Ops	62	58	.518
Pinbusters	60	60	.500
Full Scale	55	65	.458
W. Fabrication	53	67	.442
Greenhorns	49	71	.408
Analogs	47	73	.392
IRD	42.5	77.5	.354
Fiscal	36	84	.300
Sleepers	29	91	.242

FOR RENT: Garage apartment, unfurnished. Mrs. Bloodgood, 453 Chapel Street, PA 24515.

FOR SALE: Assorted household furniture. Also two 26-inch bicycles and one 28-inch bicycle. Stoller, PA 3-4702 after 6:00 p.m.

# GOLF LEAGUE SCHEDULE

Date				Teams					
April 11-12	7-11	9-10	5-8	1-6	2-4	3	bye		
April 25-26	6-11	5-9	8-10	1-7	2-3	4	bye		
May 9-10	1-5	8-9	7-10	3-4	2-6	11	bye		
May 23-24	3-8	9-11	6-10	4-5	2-7	1	bye		
June 6-7	5-6	7-9	4-10	3-11	1-8	2	bye		
June 20-21	6-7	4-8	3-9	2-10	1-11	5	bye		
July 4-5	5-10	3-7	4-11	2-8	1-9	6	bye		
July 18-19	1-10	2-5	4-7	----	6-9	8	bye		
Aug. 1-2	1-3	2-11	4-6	8-7	---	9	bye		
Aug. 15-16	1-4	3-6	8-11	5-7	2-9	10	bye		
Aug. 29-30	1-2	3-10	5-11	6-8	4-9	7	bye		
Sept. 12-13	3-5	10-11							

Matches will start on the week-ends designated in the left hand column. Teams will have two weeks in which to complete each match. Because an uneven numbers of teams have entered the league, each team will get one bye during the season of play. Further information may be obtained from Ray Goodman, 4671.

TEAMS: 1. West Machine 1, 2. West Machine 2, 3. IRD 1, 4. IRD 2, 5. Structures Research, 6. Structural Engineering, 7. Equipment Engineering, 8. Free Loads, 9. Eagles, 10. 7 by 10, 11. East Model.

## CLUB TO AWARD PRIZE FOR FISH

The Langley Rod and Gun Club has instituted a program whereby its members can compete for cash prizes offered for the largest fish caught between now and October 31. Both monthly and season prizes will be given for the largest fresh water bass, other fresh water fish, and the largest salt water fish caught within a 150-mile radius of Langley Air Force Base.

The fish entered in the contest must be brought to the Langley Yacht Club and its weight verified by T/Sgt. Michalowski whose phone number is Langley 2-3208. Sgt. Michalowski has the necessary certificate to be filled out by the successful angler.

The next meeting of the Rod and Gun Club will be held on Monday, April 27 at 7:30 p.m. in the Yacht Club Ballroom. For information on membership in the Rod and Gun Club, contact S/Sgt. Whitaker, Langley 2-6288.

## COMING EVENTS

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

April 11 - NASA Group Party  
April 13 - Deep Sea Fishing Club

April 14 - Bridge Club  
Badminton

April 16 - Pay Day Game Night

April 17 - EICS Party

April 18 - Twin Shop Hop

FOR SALE: 1957 English Austin Model A-50. 4-dr., perfect shape, 4 new tires. \$1200 or best offer. Call AF No. 29154 or UN 82392. Stanley Gottschals.

## SPARKS FROM THE FIREMAN'S MAILBAG

Apparently television technicians have learned what every housewife should know.

A contestant who was taking part on a nationwide television stunt show this week suffered burns when a stunt backfired.

According to an A.P. story carried in the local papers the incident happened as follows:

"Manfred Weber, 30, a builder of Tuckahoe, N.Y., was taking part in a stunt with his wife Monday when he was suddenly enveloped in a flash explosion. The studio was thrown into confusion.

"A spokesman for the show said a match was touched to a long fake firecracker fuse, which the blindfolded wife was supposed to stamp out. To simulate an explosion, a mixture of flour and sawdust was dropped on Weber's head. The simulated explosion developed into a real one when the mixture caught fire."

The chances are that any housewife would have known better than to mix flour and flame.

FOR SALE: 3 bedroom house with fenced yard - 1 mile from Langley. Pay owners equity and assume payments of \$57.20 month. Lowe, PA 34880.

FOR SALE: 1954 Ford Victoria, white walls, radio & heater, \$750. Patterson, PA 31775.

WANTED: Ride from Pine Chapel Village - 62 Freeman Drive to WA on 8 shift. Dale Hunt, 4476.

WANTED: Driving combination from vicinity of LaSalle Ave. and Kecoughtan Road to EA on 8 shift. McGehee, 2394 or PA 35705.

# ASTRONAUTS

(Continued from page 1)

to assure more complete participation by each in all phases of the Mercury development.

One of the seven will be chosen by NASA to be the first American - possibly the first man - to be placed in orbital space flight around the Earth. The seven selected were picked from an original group of 110 military test pilots.

Because manned satellite flight is without precedent, Mercury astronauts will be pioneers not only in space flight but also in the development of a program which will determine qualities best suited for such special missions.

The greater percentage of the Mercury aspirants who were put through selective screening for space flight training met the demanding requirements for the project. The seven ultimately selected were chosen as a result of physical, psychological and stress tolerance abilities and because of the particular scientific discipline, or specialty, each represents.

Carpenter, who is a Lieutenant in the U.S. Navy, was born May 1, 1925 in Boulder, Colorado. In 1943 he entered Colorado College to participate in the Navy V-5 flight training and in 1949 he received his B.S. degree in Aeronautical Engineering from the University of Colorado. He is married to the former Rene Louise Price of Boulder. They have four children - Mark Scott, 9, Robyn Jay, 7, Krister Elaine, 3, and Candace Noxon, 2.

Cooper, a Captain in the U.S. Air Force, was born March 6, 1927 in Shawnee, Oklahoma. After graduation from high school he joined the U.S. Marine Corps and attended the Naval Academy Prep School at Bainbridge, Maryland, from 1945 to 1946. Immediately before his discharge in 1946 he served as a member of the Presidential Honor Guard in Washington. He attended the University of Hawaii for 3 years beginning in 1946 and received his B.S. degree in Aeronautical Engineering from the Air Force Institute of Technology at Wright-Patterson Air Force Base in 1956. He is married to the former Trudy Olson of Seattle, Washington. They have two daughters - Camala, 10-1/2, and Janita, 9.

Glenn, Lieutenant Colonel in the U.S. Marine Corps, was born July 18, 1921 in Cambridge, Ohio. He attended high school and Musk-

## "Dinky" Terrytoons



ingum College in New Concord, Ohio. He started his military career in 1942 as a Naval Aviation Cadet at the University of Iowa. He is married to the former Anna Margaret Castor of New Concord. They have two children - John David, 13, and Carolyn Ann, 12.

A Captain in the U. S. Air Force, Grissom was born April 3, 1926 in Mitchell, Indiana. He received his B.S. degree in Mechanical Engineering from Purdue University in 1950. In 1955 he entered the Air Force Institute of Technology at Wright-Patterson to study Aeronautical Engineering. His wife is the former Betty L. Moore of Mitchell, Indiana. They have two sons - Scott, 9, and Mark, 5.

Schirra is a Lieutenant Commander in the U.S. Navy. He was born March 12, 1923 in Hackensack, New Jersey. After a year of study at Newark College he entered the U.S. Naval Academy and received his Bachelor of Science degree in 1945. His wife is the former Josephine C. Fraser of Seattle. Their children are Walter Marty III, 8-1/2, and Suzanne Karen, 1-1/2.

A Lieutenant Commander in the Navy, Shepard was born November 18, 1923 in East Derry, N. H. He graduated from Pinkerton Academy in Derry, N.H. and studied a year at the Admiral Farragut Academy at Toms River, N. J.,

## EMPLOYEES TO SPEAK TO TECHNICAL GROUPS

Four staff members are participating in technical meetings this month in Massachusetts and Virginia.

Last week Jack Reid, Instrument Research Division, spoke at a meeting of the Institute of the Aeronautical Sciences and American Rocket Society at the University of Virginia.

On Thursday, April 16, Clinton E. Brown, Chief of Theoretical Mechanics Division, will address the Massachusetts Institute of Technology's chapter of Sigma Gamma Tau, National Honorary Aeronautical Engineering Society. Brown will speak on "The Establishment of Lunar Satellites".

John Stack, Assistant Director, will be convocation speaker for the 10th annual Engineering Conference at Virginia Polytechnic Institute on April 23 through April 25. The convocation will be held at 10:30 a.m. in Burruss Hall on Friday, April 24. One of the speakers for the 14 curricula club symposia will be Eugene Love, Assistant Chief of the Supersonic Aerodynamics Division. He will speak at the session on Aeronautical Engineering.

## BOND EFFORT

(Continued from page 1)

62.90 percentage participation highest of all NASA activities and nearly 7 per cent above the 56 per cent average of all government employees.

Persons desiring to purchase bonds or increase their present allotments, may obtain bond authorization cards from attendance clerks or from the Payroll Office, 2215.

FOR RENT: Furnished apartment. Mrs. Andrews, PA 30648.

WANTED: Driver for car pool from Pine Chapel Village to WA on 8 shift. Steve Siegel, 4463.

preparatory to entering the U.S. Naval Academy. He received his Bachelor of Science degree in 1944.

He is married to the former Louise Brewer of Kennett Square, Pennsylvania. They have two daughters - Juliana, 8, and Laura, 12.

Slayton, a Captain in the Air Force, was born March 1, 1924 in Sparta, Wisconsin. He graduated from Sparta High School in 1942 and received his B.S. degree in Aeronautical Engineering from the University of Minnesota in 1949. His wife is the former Marjorie Lunney of Los Angeles. They have one son, Kent, age 2.

NASA - Langley Field, Va.

# AIR SCOOP

## FAMILY PICNIC PLANNED MAY 30

The Activities Association will sponsor a holiday family picnic on Saturday, May 30 at the Activities Building.

During this holiday get-together, the Association will subsidize the event so that food and drinks may be offered to staff members and their families at a reduced rate.

Food will be served from 1 p.m. until 7 at the following prices: hamburgers 15¢, hot dogs 10¢, and all soft drinks 5¢. Other types of refreshments such as nabs, bubble gum, peanuts, etc., will be available.

A special program of entertainment has been planned for the afternoon.

All playground equipment, such as horseshoe, softballs, etc., will be available during the afternoon.

Staff members are urged to bring the entire family out for an inexpensive afternoon of entertainment.

## ELECTION SLATED FOR NEXT THURSDAY

The Activities Association's annual election for District Representatives will be held at the Center on Thursday, May 28. No primary election will be held and representatives elected to the General Assembly will serve from July 1, 1959 to June 30, 1960.

The Center is divided into districts of approximately 70 to 100 employees and representatives will be elected by and from each district.

Candidates must be nominated by use of an official nominating petition. Each petition must be signed by 10 employees from the district and approved by the candidate's section head, branch head, or division chief. Each candidate must be officially assigned to the district he will represent and must also sign the nominating petition as evidence of his or her acceptance to serve the Activities Association if elected.

(Continued on page 4)

## LANGLEY AND LEWIS <sup>LOTB</sup> BUILDING CAPSULES FOR MERCURY TESTS <sup>JOHN MAHER</sup>

Langley and Lewis Research Centers are building instrumented mockup test vehicles for use in the development phase of Project Mercury -- NASA's manned orbital flight program being administered by the NASA Space Task Group located in the East Area.

The afterbody and recovery canister of the test vehicles are being fabricated by Langley. Lewis is constructing the pressurized vehicle sections, located in the forward part. The ablation heat shield is being built by the General Electric Company.

The instrumented mockups are of the general size and configuration of the space vehicle which will take man into orbital flight around the earth. To be launched by Atlas boosters in sub-orbital trajectories, they are designed to provide information on the reentry heat shield, internal and external temperatures and attitude stability and control. This information will be used to help determine the final design of the manned capsule, which is being built by McDonnell Aircraft Company of St. Louis.

The mockup-Atlas combination represents one of several booster-capsule arrangements in the Mercury development program. The overall development involves many facilities at Langley, Wallops Island, and other NASA activities in an extensive program of wind tunnel and laboratory research and in free-flight scale model launchings. Other booster-capsule combinations in the research program are Little Joe, a combination of four clustered Sergeant rockets in a single airframe, Redstone-Mercury, and Jupiter-Mercury. Each system will develop specific information not available from wind tunnel or laboratory studies.

The mockup capsules now being built by NASA will be instrumented to tell scientists the conditions which will be experienced in launch

(Continued on page 4)

Air Scoop, May 22, 1959  
Vol. 18, Issue 20



Project Mercury astronauts visited Little Creek Amphibious Base this week for lectures and practice in water survival methods. Getting ready for a swim in the Navy pool are (from left): Alan B. Shepard Jr., John H. Glenn Jr., Walter M. Schirra Jr., Malcolm S. Carpenter, Leroy G. Cooper Jr., Virgil I. Grissom, and Donald K. Slayton. --Photo by Bill Taub

# LANGLEY RESEARCH CENTER

The Air Scoop, an official publication of the Langley Research Center, National Aeronautics and Space Administration, Langley Field, Virginia, is published weekly in the interest of its employees. Address contributions to the Editor, Room 104, Warehouse Building, telephone 4570.

Editor.....Ruth Angel Verell

Staff Photographer.....Bill Taub

Reporters.....Langley Employees

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Reproduction Staff.

## LIFE AT LANGLEY

### Diaper Line. . . . .

Sunday, May 10 proved to be literally Mother's Day at the James Zitzelberger household. That is the day the new heir elected to make his debut into the world. Mama Joan, who works in the Library, and Papa Jim, Structural Engineering, were quite pleased, too. The hospital picked up the tab for the day.

### The pay day. . . . .

game night, sponsored by the Activities Association, will be held at 8 p.m. on Thursday, May 28 at the Activities Building.

### Mother's Day. . . . .

was also quite a big day in Flight Research Division. Donald Mallick, Pilots Office, became the father of a son and Leroy Ludi, Low-Speed Aircraft Branch, became the father of a daughter.

### Dan Cupid. . . . .

scored a victory when John F. Royall, Jr., Pilotless Aircraft Research Division, became engaged to Laura Sherman, Hampton. The wedding will take place in the fall.

### TV Program. . . . .

Dr. T. Keith Glennan, NASA Administrator, will appear on the Omnibus program "Space - Man's Last Frontier" from 4 to 5 p.m., Eastern Standard Time, on Sunday over NBC-TV.

### New arrival. . . . .

Passing out cigars and candy is David R. Johnson, Instrument Research Division. He became the father of a son on Sunday, May 17.

### The Peninsula Sports Car Club. . . . .

will celebrate its fourth anniversary with the annual invitational rally on Sunday, May 24. Starting time will be 1:30 p.m. at Newmarket Center. The course is not too difficult for the novice nor too simple for the Pros. A trophy and plaque will be presented to the winner. Special plaques will be given the second and third place winners and entry dash plaques will be presented to all finishers. No fees will be charged and all automobile enthusiasts are invited to attend.

### The Langley Camera Club. . . . .

will meet on Monday, May 25 at 7:30 p.m. at the Service Club. It will be model night and all interested persons are invited to attend.

### Congratulations to James V. Kelley. . . . .

Chief of Mechanical Instrument Branch at Ames Center, on celebrating 35 years with the NACA-NASA. Kelley joined the NACA at Langley in 1924 and was part of the staff transferred to Ames when that Center began operations. He plans to retire next year.

## 6 GOOD REASONS WHY

There are many good reasons why we should join the Payroll Savings Plan for buying U.S. Savings Bonds:

1. It's convenient. All you have to do is sign a card, and the Payroll Office and the Treasury will do the rest.

2. It's painless. The saving is done for you, automatically, each payday; the bonds are delivered to you as take-home pay that grows.

3. It's sensible. You don't spend good money on things you don't need.

4. It's effective. For the big things in your future, you'll need substantial sums: for buying a home, educating the youngsters, for retirement and for many other long-range objectives, this is the ideal plan.

5. It's regular. Regular saving is what counts. This plan accumulates the sums you need faster than you'd thing, for bonds grow as you hold them, and now they grow faster than ever.

6. It's sure. Every United States Savings Bond is backed by the full faith and credit of the U.S. You get back what you put in, plus interest.



Dr. T. Keith Glennan, NASA Administrator, is flanked by Axel Mattson (left), Assistant Chief of Full Scale Research Division, and Frank Morgan, McDonnell representative to the Space Task Group and formerly of the Langley 8-Foot Tunnel. Occasion was Dr. Glennan's recent visit to speak to a joint gathering of the IAS, ASME, and Engineers Club of the Virginia Peninsula. Mattson was chairman of the joint meeting.

FOR SALE: Maytag wringer type washing machine - \$25. Dail, LY 6-5316.

WANTED: Ride from Brentwood near Martin's Hundred to E.A. on 8 shift. Edna Cox, 2313.

FOR RENT: 3-room furnished apartment on waterfront. Mrs. Hammond, 3505 Chesapeake Blvd., PA 2-0949.

WANTED: Passengers to New York June 5. Schultheiss, 2340.

FOR SALE: 3-bedroom house with built-in kitchen - near shopping center - \$750 down and assume GI loan. Hiter, 2006 Whitman Place, Buckroe.

### Wedding bells. . . . .

will ring Saturday when Elizabeth Kittrell, Gas Dynamics, takes her final vows with Joseph K. Taylor, of Hampton, at the First Presbyterian Church in Hampton. Mira Bernot, 11-inch Hypersonic Tunnel, will be mistress-of-ceremonies.

### Rod and Gun Club. . . . .

The Langley Rod and Gun Club will hold its monthly meeting on Monday, May 25 at 7:30 p.m. in the Boat-house Ballroom. In addition to a discussion of hunting plans for the coming season, sports films will be shown. The club has reserved the Dean C. Howard special services boat for a fishing trip on June 20. All members interested in taking the trip must be at the meeting to make reservations.

# SOFTBALL

Tuesday, May 12 marked the opening of the 1959 NASA Softball League. Highlighting the week's activities was East Machine's close 4-3 victory over 9-Inch. Russell Parr had a fine day at the plate, driving in all four runs for the winners. In an unsuccessful bid for victory, 9-Inch shoved two runs across in the top of the seventh. Winning pitcher was Doug Stroup while Travis Slocumb was charged with the loss.

With only seven men IRD forfeited to the Greenhorns.

In a game that totaled 29 runs, Pitchers came out on top with a 19-10 win over Short Circuits. Pitching and fielding were in for a rough day as a total of 32 hits and 8 errors were recorded. Gene Brady was the winning pitcher and John Wainwright the loser.

Rounding out the first week of league play IRD won a well played game over the Short Circuits 8-6. Henry Weber, IRD, hit a home run and was the game's winning pitcher. John Wainwright contributed a home run to his team's efforts. With four runs in the top of the seventh, Short Circuits made a late bid for victory.

In a slow game PARD took the measure of Hy Lo's 10-6. Game was called at the end of five and a half innings because of darkness. Hy Lo's jumped off with 6 runs in the top of the second but PARD came back with 4 runs in their half. PARD went on to score 3 in the third and 3 more in the fourth for the victory. Russell Clickner was the winning pitcher and Bill Saunders the loser.

Home team managers are reminded to turn in game summary sheets within 24 hours after the game has been played. All team managers are requested to turn in supplemental rosters as soon as possible.

## STANDINGS

Team	W	L	Avg.
East Machine	1	0	1.000
PARD	1	0	1.000
Pitchers	1	0	1.000
Greenhorns	1	0	1.000
IRD	1	1	.500
9-Inch	0	1	.000
Hy Lo's	0	1	.000
Short Circuits	0	2	.000
Grey Ghosts	0	0	.000

FOR SALE: 3-bedroom brick home at Hiland Pk. Smith, PA 38590.

FOR SALE: 8 X 10 fiber rug and 2 linoleum rugs. Sokol, PA 38436.

WANTED: Home for kitten. Henderson, LY 6-4364.

WE HAVE A STRONG BOND THAT KEEPS US TOGETHER.



## COMING EVENTS

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

- May 22 - NASA Group
- May 23 - Dynamic Stability Branch  
Internal Aerodynamics Branch
- May 26 - Badminton  
Bridge Club
- May 28 - Payday Game Night
- May 29 - Progressive Club

FOR SALE: Yashica camera and carrying case. O'Barker, LF 2873.

WANTED: Ride or driving combination from Stuart Gardens to W.A. on 7:30 shift. Betty Farmer, 4618.

FOR RENT: 3-bedroom house. Andleton, LY 67019.

FOR SALE: 125' waterfront lot in Seaford - \$3500. Chilton, TW 85148.

WANTED: Ride from Holly Court to W.A. on 8 shift. Lee Handy, 4530.

FOR SALE: New stenotype machine and training course, Staples, PA 2-7383 after 6:30.

FOR SALE: Large wooded lot in Marlbank Farms, Loving, LY 68181.

FOR SALE: 180' X 200' lot in Marlbank Farms. Pennington, PA 20140.

FOR RENT: 3-bedroom furnished house with garage. Mansfield, PA 2-8251.

# GOLF LEAGUE

Defending champion East Model won the only golf match played last week by defeating IAB 14-1/2 - 3-1/2. It also marked IAB's first defeat of the season. East Model is now tied with West Machine 2 with 3 wins and no losses. Free Loads is the only other undefeated team in the 12-team league, having won two games.

Defeated only once last season in nine matches, the East Model team is once again the strongest team in the league as all four players shot 85 or less.

Walter Olstad and Bernie Rickett shot 80 and 85 to win over Travis Slocumb and Bill Scott who shot 106 and 98. Olstad and Rickett each won the singles 3-0 and took two points in the doubles to win 8 of 9 points.

Wally Albertson and Walter Bressette had more trouble than the other foursome in beating Bill Nelson and Ben Lankford. Albertson shot 81 against Lankford's 102 and won 2-1/2 - 1/2 in singles. Bressette and Nelson played even with each copping 1-1/2 points in the singles. Bressette shot 84 while Nelson was 1 stroke behind him with an 85. The Bressette-Albertson combination won 2-1/2 points in the doubles to finish with 6-1/2 of the 9 points.

Albertson showed an exceptionally good front side, coming in with 38, while Olstad shot the back side of the course in 38 to take low scoring honors for the team.

Complete team and player averages will be sent out to each captain on completion of three matches. If in doubt of team averages at any time, call Bill McMillan, league secretary, at PA 3-2057.

## STANDINGS

Team	W	L	Avg.
W. Machine 2	3	0	1.000
East Model	3	0	1.000
Free Loads	2	0	1.000
IAB	2	1	.667
W. Machine 1	2	1	.667
Equipment Eng.	1	1	.500
7 X 10	1	1	.500
Structures Res.	1	2	.333
IRD 1	0	2	.000
IRD 2	0	2	.000
Eagles	0	2	.000
Structural Eng.	0	3	.000

FOR SALE: 2-bedroom house - \$9,000 or will rent for \$75 month. Ragland, CH 5-5366.

FOR SALE: 30' Richardson stock cabin cruiser - sleeps 4, 115 hp Chrysler Crown inboard engine, \$2200. Maj. Schmal, PA 3-0840.

## LANGLEY AND LEWIS

(Continued from page 1)

and reentry without actually going into orbit. To be fired from Cape Canaveral, Florida, they will be programmed to reach altitudes of 70-80 miles, ranges of 1,900 miles, and near-orbital velocity. When the vehicle reaches desired speed, it will nose over, reenter the atmosphere and be recovered normally. An autopilot in the vehicle will reorient it so that after separation from the booster, the capsule will descend with the blunted face leading.

These vehicles weigh about a ton and are built of stainless steel and inconel. Among the instruments they will contain are more than 50 temperature measurements around the capsule, launch and reentry accelerometers, and pressure, noise level and landing impact measurement devices.

In addition to work on the capsule mockups, Lewis is completing a device for shaking the capsule to determine its ability to withstand vibration levels expected in flight.

Another test tool under construction at Lewis is a multiple axis inertia facility, which will allow capsule mockups to undergo simulated flight in a near-vacuum. Orbital flight at altitudes of 100-150 miles will be in a near vacuum.

## RAYMOND PATRICK DIES AT AGE 54

Raymond A. Patrick, who retired from the Center on April 24 after serving more than 32 years with the Federal Government, died Tuesday at the Fort Monroe hospital.

Patrick was born November 29, 1904 in Homestead, Pennsylvania. He attended Britten Avenue School in Braddock, Pennsylvania and entered the U.S. Army on October 6, 1923. He retired on January 13, 1945 with the rate of Sergeant and joined the Center staff on April 22, 1948 as a binder and finishing worker in the Reproduction Section.

He is survived by his wife, Mrs. Dorothy L. Patrick, and two daughters, Mrs. Mary Bassett and Miss Katherine Anne Patrick, all of Hampton.

WANTED: Ride from Hilton Village to W.A. on 8 shift. Nichols, 4726.

WANTED: Girl to share house, Judy Spainhour, PA 2-4033.



"WANNA SEE HOW IT HAPPENED, MOM?"

## CREDIT UNION OFFICIALS ATTEND LEAGUE MEETING

Robert Girouard, Systems Engineering and president of the Langley Federal Credit Union, served as a member of a panel on "Your Credit Union in the Community" at a meeting of the Peninsula Chapter of the Virginia Credit Union League yesterday.

Frank Beard, Newport News Shipbuilding and Dry Dock Company's Credit Union, served as moderator. Other members of the panel were Marion Bowler, Eugene Johnson, Leroy Woody, and O. J. Horton.

There are 22 member credit unions in the chapter which holds quarterly dinner meetings to consider subjects of mutual interest or concern.

Other members of the Langley Credit Union who attended the meeting were Bernard Ellis and Victor Harkavy, members of the Board of Directors, and T/Sgt. Dennis Lee and Milton Reilly, members of the Educational Committee.

Also included on the agenda were reports on the state convention held last month in Roanoke and the national convention which was held earlier this month in Boston, Massachusetts.

WANTED: Ride from Warner Rd. and Todds Lane to W.A. on 8 shift. Jean Miller, 4758.

FOR SALE: 7 cubic foot GE refrigerator and GE range model 301. McGithey, LY 6-9137.

FOR SALE: 1948 Buick pickup truck. Grizzle, PA 3-6026.

## HEADQUARTERS HEADLINES

Space: The President has signed a bill authorizing NASA to lease office space in Washington.

Symposium: Gerhard F. Schilling, NASA Chief of Astronomy and Astrophysics, will be chairman of the first session of a symposium on aerodynamics of the upper atmosphere at the Rand Corporation, Santa Monica, California, June 8 through 10. He will also speak on "Satellite Research: Results and Plans."

Report: NASA's first semi-annual report to Congress -- a 96-page opus covering the period from October 1 to last March 31, is expected to be distributed within a few days.

Appointment: Milton B. Ames has been named Assistant Director for Aerodynamics and Space Flight Mechanics. He succeeds Ira Abbott, who recently was named Deputy Director of Aeronautical and Space Research.

Long-Range: John A. Johnson, NASA's General Counsel, has been appointed Chairman of the newly-formed NASA Committee on Long-Range Studies -- dealing with such non-technical issues as the international, social, economic, and legal effects of space research and exploration. Members, all of NASA, include: Henry E. Billingsley, Director of International Programs; Homer J. Stewart, Director of Program Planning and Evaluation; and Wesley L. Hjernevik, Assistant to the Administrator. Jack C. Oppenheimer, formerly Attorney Advisor in the Office of the Solicitor, Interior Department, joined the NASA staff this week to become Executive Secretary of the Committee.

## ELECTION

(Continued from page 1)

Concerning the nomination of district candidates, the Association's Constitution states, "...in order to provide an alternate representative to each elected representative, it shall be mandatory that in no case shall there be less than two (2) nominees for the election...."

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

NASA - Langley Field, Va.

# AIR SCOOP



HARRY KOLCUC

## RESEARCH CENTER HOLDS OPEN HOUSE TOMORROW DR. GLENNAN COMMENDS STAFF ON INSPECTION \$52,445 DONATED TO UNITED FUND GENERAL PUBLIC INVITED TO VIEW RESEARCH EXHIBITS

Dr. T. Keith Glennan, NASA Administrator, has written a letter of appreciation to Dr. H. J. E. Reid, Director, and the entire Langley staff for the outstanding success of the first NASA Inspection held at Langley last week.

"Now that the Inspection is history," Dr. Glennan said, "I want to extend hearty commendation to you and your staff for a monumental task well done. The Inspection provided a fascinating summary of our research progress with a minimum of hypothetical star-gazing. I was particularly gratified that aeronautical research was given proper attention even though to some outsiders it might appear that the interest in this area is on the wane.

"It is obvious," Dr. Glennan wrote, "that under the direction and guidance given by you and Floyd Thompson, the efforts of the entire Langley Research Center staff made this, the first NASA Inspection, an outstanding success and experience.

"I shall appreciate it if you will pass my thanks on to the entire Langley staff."

As the Center's sixth annual United Fund campaign neared completion, 95.2 per cent of the staff had contributed or pledged a record total of \$52,445.45 for an average contribution of \$15.28. Last year employees donated a total of \$48,870.

John B. Parkinson, chairman of the drive, stated that active solicitation will end today and he urged all solicitors and division chairmen to turn in all reports, pledges, contributions, etc., to Vera Huckel, Vibration and Flutter, by the close of business today.

Divisions reporting 100 per cent participation include Office of Director and Research Direction, Administrative and Technical Service, Dynamic Loads, Hydrodynamics, Electrical Services, Fiscal, Office Services, Personnel, and Office, Project Engineering, Space Task Group.

A chart showing division standings will be published next week.

Air Scoop, October 23, 1959  
Vol. 18, Issue 42

For the first time in its 44-year history, Langley Research Center will hold an open house tomorrow to show the general public what it and other NASA facilities are doing in aerospace research.

The Langley facility will open its doors to the general public from 10 a.m. to 4 p.m. tomorrow.

The open house will be a re-showing of the NASA's extensive inspection tours given to 400 observers daily last week from industry, the military services, the press and other research agencies.

The occasion will permit a firsthand view for the first time for many Peninsula residents of research tools, equipment and techniques used by Langley and other scientists to prepare for space flight and exploration and to develop new craft for use within and without the atmosphere of earth.

Exhibits and models being used to explain progress of NASA in development of the Project Mercury manned space flight program and many other aspects of the agency will be set up for the public examination in the Hangar, Loads Calibration Laboratory and the 4 X 4-foot Supersonic Pressure Tunnel.

In addition to the regular ex-  
(Continued on page 7)

## THANKS TO THE STAFF FOR A JOB WELL DONE!

The first NASA Inspection here at the Langley Research Center has been an outstanding success. Our two thousand guests were loud in their praise of our presentations and the apparent pains with which all details of the plans and arrangements were executed.

To merit such praise, it was necessary to have the complete cooperation of the entire staff, and I want to thank all members of the staff for their part in our success.



Dr. T. Keith Glennan, NASA Administrator, visited the Langley Research Center last week to participate in the NASA's Annual Inspection. He is shown above checking one of the charts on satellites.

# LANGLEY RESEARCH CENTER

The Air Scoop, an official publication of the Langley Research Center, National Aeronautics and Space Administration, Langley Field, Virginia, is published weekly in the interest of its employees. Address contributions to the Editor, Room 104, Warehouse Building, telephone 4570.

Editor.....Ruth Angel Verell  
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 Reproduction Staff.

## LIFE AT LANGLEY

### Diaper Line. . . . .

Celebrating the arrival of a son on Wednesday, October 14 is Donald Ward, 8-foot Transonic Tunnels Branch.

### The pay day. . . . .

game night, sponsored by the Activities Association will be held Thursday, October 29 at 8 p.m. in the Activities Building.

### New Rockette. . . . .

Announcing the arrival of a daughter on Sunday, October 11 is David Greenshields, Structures Research.

### Dan Cupid. . . . .

scored a victory when Peggy Jean Dickerson, Vibration and Flutter, and Richard D. Wagner, Helium Tunnel, took their final vows at the Rivermont Avenue Baptist Church, Lynchburg, on Saturday, October 17. Betty Johnson, Space Task Group, was a bridesmaid and Robert Witcofski, Helium Tunnel, and William Grossman, Heat Fluid Mechanics, were ushers.

### Midnight serenader. . . . .

Keeping the Otis Stephens household awake nights is a daughter who arrived on Sunday, October 18. The father works in Helium Tunnel.

### During his travels. . . . .

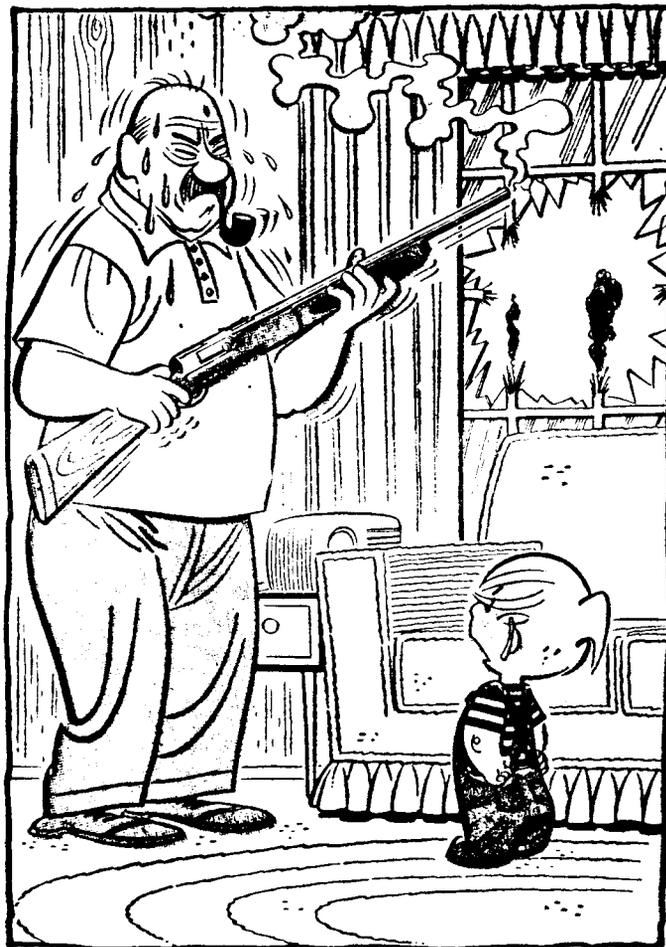
the stork stopped by the Todd Burk household on Saturday, October 17 and delivered a new heir. The father works in Spin Stall Branch.

### The Singleton Club. . . . .

will hold a square dance on Wednesday, November 4 at the Langley Boat House. Dancing will be from 8:30 p.m. to midnight and dues will be one dollar per person. Tickets and further information may be obtained from Roger Davidson, 4510; Sally Tilson, 2386, or any member of the Board of Directors. At a recent meeting of the club members elected eleven new members to the Board of Directors. They include Jane Adams, Technical Editors; Shelva Blevins, Data Reduction; Roger Davidson, Aero-Space Mechanics; Jack Garland, Pilotless Aircraft Research; Leon Hodge, Unitary; Jim Lewis, Heat Fluid Mechanics; Sadie Livingston, Aero-Space Mechanics; Sally Tilson, Analytical Computing; Siegfried Vogel, Space Task Group; Bill Weaver, PARD, and Carole Westphal, 8-foot. Serving on the Board for a second consecutive year are Jack Levine and John Unangst, both of PARD. The group elected Roger Davidson as president, Sally Tilson as secretary and Shelva Blevins as treasurer.

### Passing out cigars. . . . .

and candy is Francis E. McLean, Theoretical Mechanics Division. He became the father of a son on Tuesday, October 13.



"BETCHA DAVEY CROCKETT ALWAYS KNEW IF HIS GUN WAS LOADED, MR. NELSON!"

## GODDARD SPACE FLIGHT CENTER LOCATED IN NEW QUARTERS

The Headquarters Offices of the Goddard Space Flight Center have moved from 1520 H Street, N.W., Washington, to Building T-28, U.S. Naval Station, Anacostia, Washington 25, D. C.

Personnel and offices of the Office of Business Administration, the Administrative Services Office, Procurement and Supply Office, and Security Office have moved from the Naval Research Laboratory to Building T-28.

The commercial exchange for the Naval Station is LUdlow 4-5400.

## WILLIAM ALFORD TO BE BURIED TODAY IN ARLINGTON CEMETERY

Funeral services for William L. Alford, Langley Research Center test pilot who was killed in an airplane crash in England on Monday, October 12, will be conducted today.

Mass was held this morning at 8 o'clock at St. Mary's Star of the Sea Catholic Church, Fort Monroe, and burial will be at 3 p.m., Daylight Saving Time, in Arlington National Cemetery.

WANTED: Ride from 1421 Todds Lane to W.A. on 8 shift. Ferree, 4687.

WANTED: 2 alternate drivers from Lynnhaven Dr. to W.A. on 8 shift. Ludi, 4505.

# QUESTIONS AND ANSWERS ON HEALTH BENEFITS FOR FEDERAL EMPLOYEES

The following questions and answers have been prepared by the Civil Service Commission to answer the many questions being received about the new law providing health benefits for Federal employees. This material is based on the law itself. Many questions cannot be answered in detail at this time because regulations have not yet been drafted and arrangements with the various health plans have not yet been made.

More information on health benefits will be issued as details are worked out. Federal employees will be given full information in ample time to enroll for benefits before the law becomes effective in July 1960.

## ELIGIBILITY

Q. Who is eligible for health benefits?

A. Generally speaking, all employees who are eligible for Federal Employees' Group Life Insurance. If you have the group life insurance, you will be eligible for the health benefits coverage.

Q. I do not have group life insurance because I signed a waiver of coverage. Can I get the health benefits?

A. Yes. The two are separate and not related to each other.

Q. Will health benefits coverage be automatic or will it be necessary to fill out an application?

A. Coverage will not be automatic. Each employee who wishes to be covered will have to apply.

Q. Will the health benefits program be compulsory?

A. No. You do not have to apply for it if you do not wish to be covered.

Q. Should I apply for the health benefits now?

A. No. The health benefits will not begin until the first pay period after June 30, 1960. Before that date, you will be given full information by your employing office and you will have plenty of time to apply. It is expected that by about May 1, 1960, the Commission will make available to agencies the instructions, forms, and literature required to permit enrollment of employees and implementation of the program at agency and employing office levels.

Q. If I drop the health benefits coverage I now have, would my eligibility to join the Government-sponsored program next July be affected?

A. No. However, the safest thing is to continue your present health benefits plan until you come under the Government-sponsored program. In this way you will have continuous protection.

Q. Will the health benefits be only for myself or can my family be covered also?

A. You will be able to enroll for yourself only or for yourself and family.

Q. What members of a family may be included?

A. Your wife (or husband) and any unmarried children under the age of 19, including adopted children and also stepchildren if they live with you. An unmarried child may be covered regardless of his or her age if he is incapable of self support because of a disability which began before he reached age 19. Parents or other relatives cannot be covered even though they may live with you.

Q. Will I or any member of my family have to pass a physical examination to enroll for health benefits?

A. Not if you enroll at the first opportunity. If you enroll later, you may have to furnish evidence of good health.

Q. Can I (or a member of my family) be excluded from joining a plan because I have a hazardous job?

A. No.

Q. Can I be excluded from joining a plan because of my age?

A. Not if you enroll at the first opportunity. Employees and family members will be originally enrolled without regard to their ages.

Q. I am a Government employee and so is my husband. How do we enroll?

A. You may each enroll individually or one of you may enroll for the family. If you have children and one of you enrolls for the family, your children would also be covered. If you each enroll individually, your children would not be covered.

Q. My post of duty is outside the United States. May I enroll?

A. Yes. Even if the Government provides free medical facilities for you, you may wish to enroll in order to cover your wife and children if they are located in the States.

## PLANS

Q. What kind of health benefits plans will be offered?

A. Every employee will have a choice between two types of Government-wide plans. One will be the service benefit type and the other will be the indemnity benefit type. Many employees will have a further choice. Instead of joining one of the Government-wide plans, they will be able to enroll in an employee-organization plan or in a group-practice prepayment plan or in an individual-practice prepayment plan.

Q. What is the Government-wide service benefit plan?

A. This is one of the two Government-wide

plans which any employee may join. It is a plan provided through Blue Cross-Blue Shield organizations and is similar to the kind of plan furnished by Group Hospitalization, Inc., and Medical Service of the District of Columbia. It is called a "service benefit plan" because it works on the principle of paying benefits directly to the doctor or the hospital which supplies the service to you.

Q. What is the Government-wide indemnity benefit plan?

A. This is the other Government-wide plan which any employee can join. It is the type of plan which is usually provided by commercial insurance companies. It works on the principle of paying cash benefits directly to you -- in other words, indemnifying you -- although, usually, arrangements can be made for the plan to pay the hospital or doctor directly.

Q. What is an employee-organization plan?

A. There are several national employee organizations, such as the American Federation of Government Employees and the National Association of Letter Carriers, which sponsor health benefits plans for their members. The Civil Service Commission may approve such plans and any employee who is a member of an organization that sponsors a plan approved by the Civil Service Commission may enroll in the approved plan and get a Government contribution toward its cost.

Q. What is a group-practice prepayment plan?

A. There are a limited number of such plans. They operate only in certain areas, for example, the Group Health Association in Washington, D. C., the Health Insurance Plan in New York, and the Kaiser Foundation Health Plan in California. These plans have their own medical center or centers and their own doctors who practice as a group. If you live in an area where there is a group-practice prepayment plan and if it is approved by the Civil Service Commission, you may choose to join it instead of one of the other plans.

Q. What is an individual-practice prepayment plan?

A. This is a plan where doctors agree to accept regular payments from the plan instead of the usual charge to the patient. Like the group-practice plans, they operate only in certain areas. An example of these plans is the Group Health Insurance Plan in the New York City area. If you are in a locality which has such an approved plan, you may choose to join it instead of one of the other plans.

## BENEFITS

Q. What benefits will each of the plans offer?

A. The law does not spell out the exact benefits for any of the plans so this question cannot be

specifically answered at this time. The law does require each of the two Government-wide plans to offer the employee a choice or option between two levels of benefits. The employee organization plans and the group- and individual-practice prepayment plans may or may not offer options between various levels of benefits.

Q. What will be the difference between the two options offered by each of the Government-wide plans?

A. There will be two main differences. First, one option will offer lesser benefits than the other and second, the option with lesser benefits will also cost less. However, all options of the Government-wide plans will include both "basic health" and "catastrophic" coverage.

Q. What is meant by "basic health" coverage which each of the options under the Government-wide plans must include?

A. This is the kind of coverage most people now have. It gives some protection against the more common kinds of hospital and surgical expenses.

Q. What is meant by "catastrophic" coverage which each of the options under the Government-wide plans must include?

A. Catastrophic coverage gives some protection against the more unusual and heavy expense of a serious or prolonged illness. It often includes such costly items as long periods of hospitalization, expensive operations, private nurses, medical care received at home, drugs and medicines, medical supplies and equipment, etc.

Q. Will the employee-organization plans and the group- and individual-practice prepayment plans include catastrophic coverage?

A. Many of these plans may very well do so, but unlike the Government-wide plans, the law does not require them to include catastrophic coverage.

Q. What is the reason for having various plans and options?

A. There are two main reasons. First, it allows employees free choice of the kind of plan they prefer, for example, service benefits or indemnity benefits. Second, some employees may feel that they do not need as much protection and should not have to pay for coverage that they do not want. With the various plans and options you will be able to choose one which best fits your needs.

Q. How will I be able to decide which option or plan is best for me?

A. Before the law becomes effective, you will be given literature explaining the benefits of each plan and each option. You will then be able to select the plan or option you like best.

## COST

Q. I have health benefits now. Will I be able to save any money if I enroll under the new law?

A. If you enroll in a plan or option with approximately the same benefits you now have, you would save money because the Government will be contributing part of the cost you now pay. However, many employees will be able to enroll in a plan which offers much better benefits and will cost more than the plans they now have. But, because the Government will be contributing part of the extra cost, they will be paying approximately the same amount as they do now. Thus, such employees will be getting much better benefits at little or no additional cost to themselves.

Q. How much will the Government contribute toward the cost of my coverage?

A. Except in the situation explained in the next question, the Government will contribute not less than these specified amounts: \$2.80 a month if you enroll for yourself only; \$6.75 a month if you enroll for yourself and family. (NOTE: The amounts mentioned here and in the next questions do not apply to a female employee who enrolls for self and family which includes a nondependent husband. If you are such a female employee, see later questions which apply to you.)

Q. In what kind of situation would the Government contribute less than the \$2.80 or \$6.75 a month mentioned in the previous question?

A. If the total charge for the plan in which you enroll is less than twice the specified Government contribution -- that is, if the charge is less than \$5.60 or \$13.50 a month -- then the Government will contribute one-half the cost of your enrollment. For example: If you enroll for yourself and family in a plan the total cost of which is \$10 a month, the Government would contribute \$5 and you would contribute \$5; if you enroll for yourself only in a \$4 a month plan, the Government would contribute \$2 and you would contribute \$2.

Q. What will be the monthly charge for the various plans in which I will be able to enroll?

A. The exact charge for each plan will not be known until the specific benefits which each plan will offer have been agreed upon. However, it is expected that at least one option in the two Government-wide plans will offer both basic health and "catastrophic" benefits at a total charge of about \$13.50 a month for a family enrollment so that you will pay about \$6.75 and the Government will pay \$6.75. Similarly, at least one of these options will cost about \$5.60 a month for a self-only enrollment so that you would contribute about \$2.80 and the Government would contribute \$2.80. The other options of the Government-wide plans will offer greater benefits and therefore will cost more.

Q. Would the Government always contribute one-half the cost of the plan?

A. In many instances, as in the examples in the two previous questions, it would. However, if you

enroll in a plan the total monthly cost of which is more than twice the specified Government contribution -- that is, if the charge for the plan is more than, say, \$5.60 for a self-only enrollment or \$13.50 for a family enrollment, then the Government will still make its specified contribution and you will pay the difference. For example: If you enroll for yourself and family in a plan the total cost of which is \$15 a month, the Government would make its specified contribution of \$6.75 and you would contribute \$8.25; if you enroll for yourself only in a \$6 a month plan, the Government would contribute \$2.80 and you would contribute \$3.20.

Q. How much will the Government contribute for a female employee?

A. The Government's contribution for a female employee will be on exactly the same basis as for a male employee under the following conditions: If she enrolls for herself only. If she enrolls for herself and family and the family does not include a husband or does include a dependent husband.

Q. How much will the Government contribute for a female employee under a family enrollment which includes a husband who is not dependent?

A. In such a case the Government will contribute not less than \$3.90 a month if the total charge for the family enrollment is \$13.50 or more a month. The employee will contribute the difference between the \$3.90 and the total charge. If the female employee enrolls in a plan the total charge for which is less than \$13.50 a month for the family enrollment, the Government will contribute 30 per cent of the charge and the employee will contribute 70 per cent.

Q. How will I contribute my share of the cost?

A. Through payroll deductions. Depending on how often you are paid, the proper percentage of the monthly charge will be withheld from your salary each pay period.

Q. Is there any guarantee that the cost of the plan in which I enroll will not increase?

A. No. Eventually the cost may increase because the plan may provide additional benefits or because the cost of paying for hospital and medical care may go up.

Q. Is there any maximum limit on the amount the Government can contribute?

A. Yes. The approximate maximum monthly amounts the Government can contribute are: \$3.95 for self-only enrollment; \$9.55 for a family enrollment; \$5.60 for a family enrollment which includes a nondependent husband. However, it is expected that these limits will have no effect on the Government's contribution for a number of years and then only if the cost of a plan keeps going up to the point where the Government's contribution reaches these limits.

Q. Will I be able to continue my health benefits coverage after I retire?

A. Yes, if you meet certain requirements.

Q. What are the requirements I must meet?

A. There are five requirements, all of which you must meet. They are as follows:

1. You must retire under the Civil Service Retirement System or some other system for civilian employees of the Federal or District of Columbia Government.
2. You must retire after the date the health benefits program became effective in your employing office -- that is, after the first day of your first pay period which began on or after July 1, 1960.
3. When you retire, you must have been enrolled in an approved plan for at least the shorter of the following two periods of time:
  - (a) the five years of service immediately before your retirement  
or
  - (b) all your service between the time you first had the opportunity to enroll and the time you retire.
4. You must retire after at least 12 years of service or on account of disability. (The 12 years of service can include military service, but must include at least 5 years of civilian service.)
5. You must retire on an immediate annuity - that is, the beginning date of your annuity must be not later than one month after your separation from service.

Q. If I should die, would my wife (or husband) and children be able to continue the health benefits coverage?

A. Yes, if they meet certain requirements.

Q. What are the requirements they must meet?

A. There are two requirements:

1. At the time of death, you must have been enrolled for yourself and family and have completed 5 years of civilian service.
2. Your wife (or husband) and children must be eligible to receive a survivor annuity from your retirement system.

Q. If an employee- or survivor-annuitant continues the health benefits coverage, does he have to pay for it?

A. Yes. However, he does not have to pay more than an employee who is enrolled in the same plan.

Q. Will the Government contribute to the cost of an annuitant's enrollment?

A. Yes -- on the same basis as to an employee's.

Q. How will an annuitant pay his portion of the enrollment cost?

A. It will be withheld from his monthly annuity.

Q. Will an annuitant be entitled to the same benefits as an employee?

A. Yes. All plans will provide the same benefits for annuitants as they do for employees.

## MISCELLANEOUS

Q. If I enroll in one plan, will I later be able to transfer to another plan?

A. Yes, under certain conditions which will be determined later

Q. If I enroll for myself only, will I later be able to change to a family enrollment?

A. Yes. You will also be able to change from a family enrollment to a self-only enrollment.

Q. If I should leave Federal employment, will I be able to keep my coverage?

A. Yes. You will be able to convert your group coverage to individual coverage. Of course, the Government will not contribute any longer and you will have to pay the total cost of the coverage yourself.

Q. If I go on leave without pay, will I be able to continue my coverage?

A. Yes, for up to one year, under certain conditions to be determined later.

Q. If I enroll in a plan, will I be given a certificate?

A. Yes, you will be given a certificate or other document which will summarize the benefits to which you are entitled and how to apply for them.



# BOWLING NEWS

## DUCKPIN LEAGUE

West Fabrication added three more wins to their record to lead the league with 16 wins and 2 losses. Hot Shots are still in second with 12 wins and 6 losses and Spacers, East Machine 2, West Model, Rebel Bombers and East Machine 1 are tied for third with 9 wins and 9 losses each. Top scores were rolled by Gene Fullerton with a 131 game, E. Mattson with a 359 set and Frances Rose with a 107 game and 289 set.

### STANDINGS

Team	W	L	Avg.
W. Fabrication	16	2	.889
Hot Shots	12	6	.667
Spacers	9	9	.500
E. Machine 2	9	9	.500
West Model	9	9	.500
Rebel Bombers	9	9	.500
East Machine 1	9	9	.500
16-foot	8	10	.444
General Aero	8	10	.444
IRD	8	10	.444
Jets	6	12	.333
Astro's	5	13	.278

## TENPIN LEAGUE

Spare Oops lost all four games but lead the Blue Division by only a one-game margin. In the Red Division Hornets moved from sixth to take first place with 18 wins and 10 losses. Top scores were rolled by Fred Grant with a 240 game, Gene Naumann with a 596 set and Kay Sander with a 237 game and 631 set.

### BLUE DIVISION

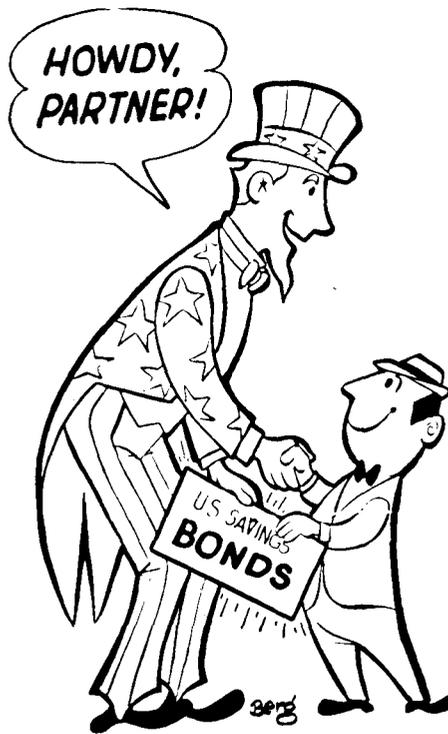
Team	W	L	Avg.
Spare Oops	19	9	.679
Unitary	18	10	.643
Trouble Shooters	17	11	.607
Raiders	16	12	.571
Odd Balls	15	13	.536
Short Circuits	15	13	.536
Life Systems	14	14	.500
Dillys	12	16	.429
Q-Balls	11	17	.393
Analogs	10	18	.357
Missionaries	3	25	.107

### RED DIVISION

Team	W	L	Avg.
Hornets	18	10	.643
Eagles	17	11	.607
Flight Engineers	17	11	.607
Free Flight	17	11	.607
Flight	16	12	.571
Spin Stall	16	12	.571
Sleepers	15	13	.536
Pinbusters	13	15	.464
DMES	12	16	.429
East Engineers	9	19	.321
Galaxies	8	20	.286

FOR SALE: Furniture for 3-room apartment. Mrs. Gibson, 27 Armistead Ave., after 5 p.m.

WANTED: Ride from 2501 Shell Rd. to E.A. on 8 shift. Rideout, 2294.



# OPEN HOUSE

(Continued from page 1)

hibits used during the inspection, a number of other ones will be added including a display on research instrumentation, wind tunnel research conducted in the Transonic Dynamics Tunnel and the 16-foot Transonic Tunnel, VTOL and STOL demonstrations, a 6-foot model of the world showing orbital traces of the major satellites launched by the United States, and the Explorer VII paddle-wheel satellite.

The Project Mercury manned space flight program will be on display in the Loads Calibration Laboratory as well as a full-scale mockup of the X-15 research airplane.

Also on display will be the types of technical reports published by the NASA, the F8U-3 Chance Vought research aircraft, helicopters, transport aircraft, a full-scale NASA Scout booster rocket, a model of the original V-2 rocket engine and a Thor-Able missile used to launch a number of U.S. space probes.

The Activities Building will also be open and sandwiches and soft drinks will be on sale in the bar.

It is suggested that persons attending open house use the West Gate for entrance to the Base.

WANTED: Alternate driver from Stuart Gardens to E.A. on 8 shift. Mary J. Plemmons, 2269.

WANTED: Driving combination or ride from Beaconsdale to W.A. on 7:30 shift. Gregory, 4628.

# TURKEY SHOOT PLANNED NOV. 7

The Activities Association's Annual Thanksgiving Turkey Shoot will be held on Saturday, November 7 at the Activities Building.

Matches will start at 9 a.m. and continue until 5:30 p.m. The winner of each match will receive a turkey. No admission will be charged other than fifty cents for each shot.

Fire arms will be furnished or contestants may use their own. The Association will supply 12, 16, and 20 gauge shot gun shells for the shoot. The maximum charge of powder and minimum size of shot should not exceed 3 3/4 drams for powder and number 8 for shot.

The shoot will be supervised by the Rifle League and any ammunition brought to the match must be turned over to the person in charge of ammunition.

In the interest of safety, the NASA Rifle League requests that all contestants keep the actions of their fire arms opened while on the grounds of the Activities area except when on the firing line.

## COMING EVENTS

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

Oct. 24 - Open House

Oct. 26 - U-Control Model Club

Oct. 27 - Bridge Club  
Chess Club  
Badminton

Oct. 28 - IRD Party

Oct. 29 - Pay Day Game Night

Oct. 30 - Space Task Group

WANTED: 2 drivers from Wilkins Pk. and Pine Chapel to W.A. on 8 shift. Vick, 4522.

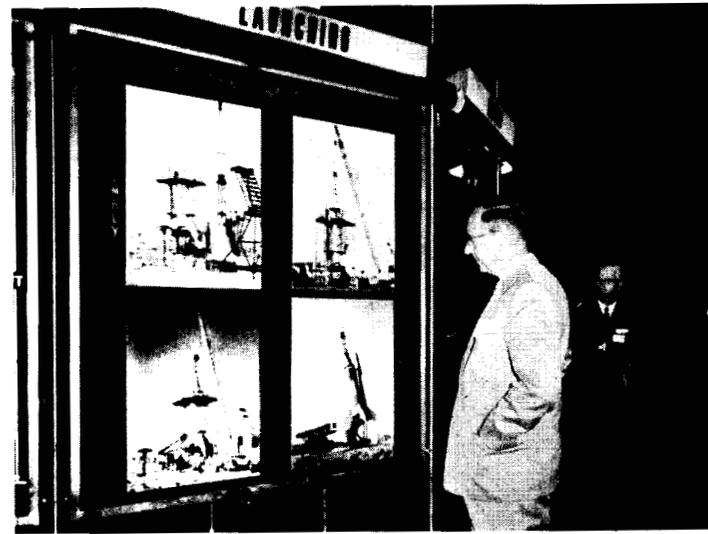
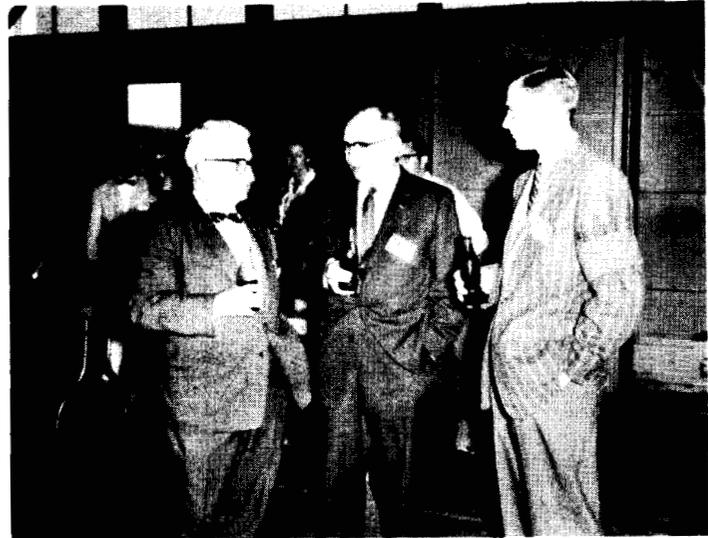
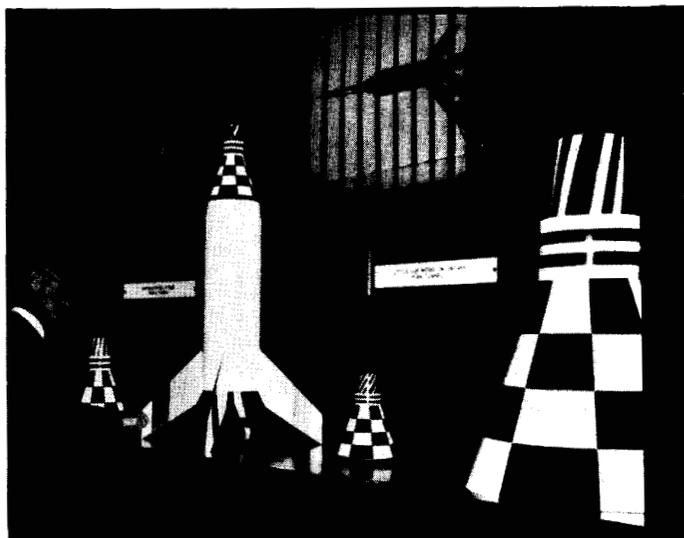
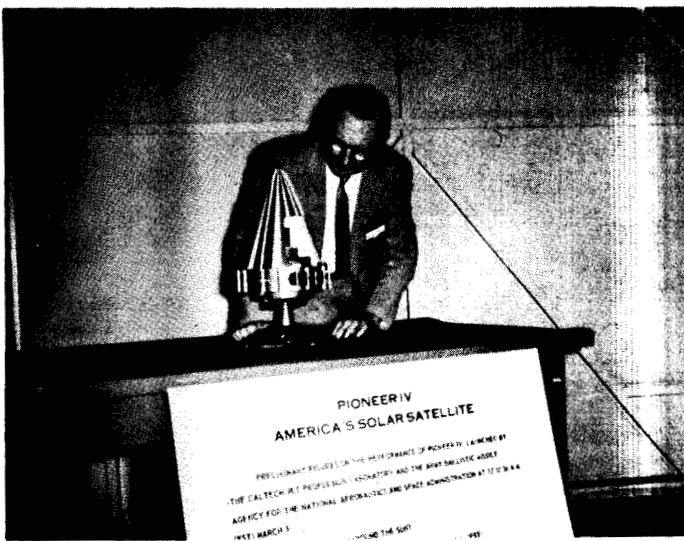
FOR SALE: 1950 Chevrolet. Youngblood, PA 3-1394.

WANTED: Driving combination from Sedgefield to W.A. on 8 shift. Halsey, 4432.

WANTED: Driving combination or passengers from Pine Chapel to E.A. on 8 shift. Craidor, 2202.

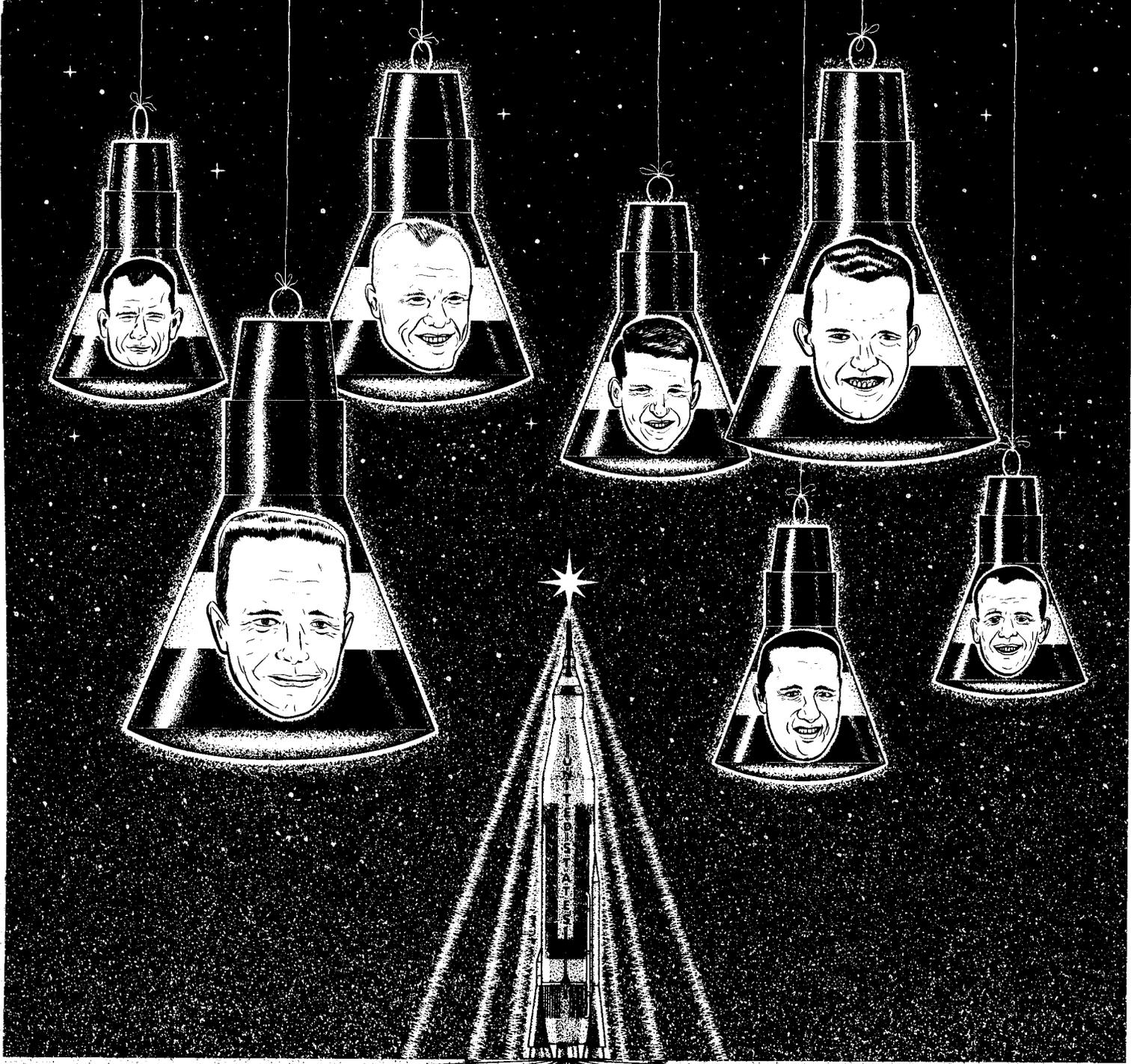
FOUND: Pair of glasses at PARD. Mail Desk, 4725.

FOR SALE: 16-inch bicycle with coaster brake - \$12, rugged all-steel wheelbarrow - \$4. Dingeldein, LY 6-3207.



INSPECTION VISITORS: : Upper left - Looking at a model of Pioneer IV is Dr. Hugh L. Dryden, Deputy Administrator. Upper right - Dr. Edward R. Sharp, Director of the Lewis Research Center, looks at a re-entry model in 4-foot Supersonic Tunnel. Center left - William E. Blewett, President of the Newport News Shipbuilding and Dry Dock Company, inspects a number of Little Joe Models. Center right - Taking time out for a coke are

(from left) John W. Crowley, who retired recently from Headquarters Office, Dr. Smith J. DeFrance, Director of Ames Research Center, and Dick Dingeldein, Aero Space Mechanics Division. Lower left - Ralph E. Cushman, NASA Headquarters, views the Jet Propulsion Laboratory's Vega exhibit. Lower right - Richard V. Rhode, formerly of Langley and now stationed at Washington Headquarters, checks a Project Mercury display.



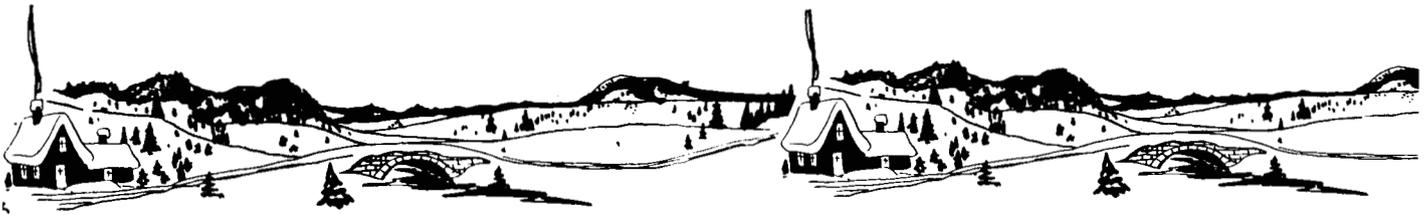
**CHRISTMAS**

**GREETINGS**

*Twinkle, Twinkle,  
Atlas missile,  
Like a tree you stand  
afar...  
Ready for the count-  
down whistle,  
Who will be your  
shining star?*

JOHN MAREZ

Bonjour



During this holiday season, which is more promising and less troubled than some in the past, I want to express my sincere thanks and to extend greetings to all staff members and their families.

The busy year just ending has been of momentous historical importance to employees of the Langley Research Center and to our neighbors in the Space Task Group and at the Wallops Station. Our communities have been enriched by your generosity in support of many civic endeavors and the nation has benefited by your progressive spirit in pushing forward the frontiers of aeronautics and space. This is evidence that you are citizens with a heart, as well as men and women of science.

At this time, while we pause to enjoy moments with friends, families, and children, and to reflect upon events and accomplishments, we realize that another decade is coming to a close -- the decade in which the Space Age was brought into prominence. As a bright, new, decade begins, may we continue to be mindful of and pray for those persons of less prosperous nations and to dedicate ourselves to the doctrine that our research activities are devoted to peaceful purposes for the benefit of all mankind.

Merry Christmas and a Happy New Year!

*A. J. Reid*



# AIR SCOOP



Featured with the Frank Wells orchestra at the Activities Association's annual New Year's Eve Dance will be Warren Haley (left), trombonist, and Dick Morris (right), pianist. Dick, who is a staff member at Instrument Research, has become one of the Peninsula's top musicians

## NEW YEAR'S DANCE ENDS 1959 SEASON

The Activities Association will usher out the Old Year and welcome the New Year with a dance on Thursday, December 31, at the Activities Building.

The celebration will start at 9 p. m. and continue until the New Year is an hour old. At the stroke of midnight Father Time will make his exit and the New Year, accompanied by his helper Leap Year, will make his debut and take over the responsibilities for the next 12 months.

The affair will be semiformal and music will be furnished by Frank Wells, Unitary Plan Wind Tunnel, and his orchestra. Featured with the group will be vocalist Sylvia Wells, wife of the leader.

Frank is a native of Cape Henry. He graduated from Hampton High School and received his B. S. degree in Mechanical Engineering from the University of Virginia in 1956. He joined the Center staff on July 25, 1956, as an Aeronautical Research Intern. He is a member of the Theta Tau Fraternity, American Society of Mechanical Engineers, and the Institute of the Aeronautical Sciences.

Only a limited number of tickets are available to the dance and they may be obtained from members of the Executive Board. Tickets are \$6.00 a couple and the price includes free favors and setups.

Table reservations may be made by calling John McCarty or Bruce Amole at 4583.

For the safety and protection of persons attending the dance, fireworks will not be permitted in the building and monitors will be stationed at various points.

The following is quoted from a memorandum written by Dr. Reid: "Fireworks are not permitted in the Activities Building and the Air Force prohibits their use on Langley Air Force Base. If you have any in your

(Continued on page 7)

## LANGLEY SHOWS TOP GAIN IN INSURANCE MEMBERSHIP DRIVE

In a recent effort to increase participation in the NASA Group Life Insurance Plan operated in conjunction with Home Life Insurance Company of New York, the Langley insurance chapter showed the largest membership jump.

During the quarter ending last September, Langley membership grew from 2,032 to 2,197 - an increase of 165. This compared with increases of 10 at Headquarters, 47 at Ames, 56 at Lewis, 8 at Edwards, and 37 at Goddard - for a total NASA increase of 323.

At the beginning of the current quarter, NASA employees were insured under the NASA-Home Life Plan to the tune of \$42,604,000. Of this amount, \$17,290,000, or 40 percent of the NASA total, is held by members of the Langley chapter -

(Continued on page 7)

## HALF-DAY HOLIDAY GIVEN EMPLOYEES

Staff members are reminded that President Eisenhower has signed Executive Order 10856 excusing all employees whose services are not required for essential duty for the last 4 hours of their respective official shifts on Thursday, December 24.

This 4-hour period of excused absence shall be considered a holiday for all leave and pay purposes. Supervisors should request holiday compensation for any employee who is required to perform essential duties during this period.

In accordance with the provisions of the Executive Order, supervisors are requested to adopt a liberal policy for the granting of annual leave to employees during the holiday season.

Air Scoop, December 22, 1959  
Vol. 18, Issue 50

LANGLEY RESEARCH CENTER

The Air Scoop, an official publication of the Langley Research Center, National Aeronautics and Space Administration, Langley Field, Virginia, is published weekly in the interest of its employees. Address contributions to the Editor, Room 104, Warehouse Building, telephone 4570.

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

The Air Scoop is printed by the Mechanical Reproduction Staff.

## LIFE AT LANGLEY

**The payday . . . . .**  
 game night, sponsored by the Activities Association, will not be held this week because the game falls on Christmas Eve. The next game has been scheduled to be held on Thursday, January 8, at 8 p.m. in the Activities Building.

**Holiday Notice . . . . .**  
 The next issue of the Air Scoop will be distributed on Friday, January 8. Persons wishing to submit material for publication in that issue are requested to send all information in to the Editor, Air Scoop Office, Room 104, Warehouse Building, by noon on Tuesday, January 5.

**Bloodmobile . . . . .**  
 Staff members who are planning to report for duty on Tuesday, December 29, are reminded that the Red Cross Bloodmobile will make its last visit of the calendar year to the Center on that day. All available donors will be needed in order to meet the quota. Registration for the program may be made by calling the East Dispensary, 2243.

**Training Notice . . . . .**  
 Training officials announced that the Apprentice Related Study classes will be discontinued during the holiday season. Classes will be resumed on Monday, January 4.

**Dan Cupid . . . . .**  
 Scored a victory when Billy L. Dove, Instrument Research Division, became engaged to Nell V. Cake, of Newport News. Plans call for an April wedding.

## OUR THANKS TO YOU

As we approach the end of another year we would like to take time out from meeting deadlines and snooping for news to thank staff members for their patience and cooperation during the past 12 months. You have been most helpful in keeping us informed as to the latest happenings around the Center and we hope you will continue to show your interest and lend us your much needed support throughout the coming year.

We would like to issue a special note of thanks to Tut B. Huffman, Stenographic and Report Typing Section, for typing the printed matter in this issue on the I. B. M. Electromatic Typewriter and to Mechanical Reproduction Section and other units in the Photographic Division for their cooperation in printing and distributing the "Air

## THE COVER

Our thanks to Wesley Berryman, Technical Illustrators, for designing the beautiful cover showing the Atlas missile readied for launching, and the seven astronauts in Project Mercury ornamental capsules.



The astronauts are (top row, from left to right): Donald Slayton, John Glenn, Walter Schirra, and George Cooper. Bottom row: Scott Carpenter, Virgil Grissom, and Alan Shepard.

Berryman is a native of Newport News. He graduated from Newport News High School and served his apprenticeship in painting and decorating at the Newport News Shipbuilding and Dry Dock Company. He received

his B. A. degree in Commercial Art from the University of Georgia in 1949. He served in the U. S. Army from June 30, 1944, to July 13, 1946, and worked briefly as Museum Staff Assistant at the Mariners' Museum before starting his NASA career on December 27, 1949, as an Illustrator.

He is married and the father of a 5-week-old daughter, Janis Lynn.



Scoop" each week.

With this issue we are closing shop to take off and join the holiday festivities but we will be back in print on Friday, January 8. Until then we wish each of you a very MERRY CHRISTMAS and a HAPPY NEW YEAR.

Few men are more to be shunned than those who have time, but know not how to improve it, and so spend it in wasting the time of their neighbors, talking forever though they have nothing to say. -Tryon Edwards

There is no greater every-day virtue than cheerfulness. This quality in man among men is like sunshine to the day, or gentle renewing moisture to parched herbs. The light of a cheerful face diffuses itself, and communicates the happy spirit that inspires it. The sourest temper must sweeten in the atmosphere of continuous good humor.

# CHRISTMAS SPIRIT

I am the Christmas spirit!

I enter the home of poverty, causing palefaced children to open their eyes wide, in pleased wonder.

I cause the miser's clutched hand to relax, and thus paint a bright spot on his soul.

I cause the aged to renew their youth and to laugh in the old, glad way.

I keep romance alive in the heart of childhood, and brighten sleep with dreams woven of magic.

I cause eager feet to climb dark stairways with filled baskets, leaving behind hearts amazed at the goodness of the world.

I cause the prodigal to pause a moment on his wild, wasteful way, and send to anxious love some little token that releases glad tears -- tears which wash away the hard lines of sorrow.

I enter dark prison cells, reminding scarred manhood of what might have been, and pointing forward to good days yet to be.

I come softly into the still, white home of pain, and lips that are too weak to speak just tremble in silent, eloquent gratitude.

In a thousand ways I cause the weary world to look up into the face of God, and for a little moment forget the things that are small and wretched.

I am the Christmas spirit!

-E. C. Baird

## COMING EVENTS

Printed below is a calendar of events scheduled to take place in the Activities Building through January 7.

- Dec. 29 - Bloodmobile Visit
- Dec. 31 - New Year's Eve Dance
- Jan. 2 - IRD Division Party
- Jan. 4 - U-Control Model Club
- Jan. 5 - Bridge Club
- Badminton
- Chess Club
- Radio Model Club
- Jan. 7 - Payday Game Night

A disagreement may be the shortest cut between two minds.

-Kahlil Gibran

If people are made to do what they dislike, you must allow for a little ill humor.

-Lord Melbourne

One of the advantages of being disorderly is that one is constantly making exciting discoveries.

-A. A. Milne

# ONE SOLITARY LIFE

Here is a young man who was born in an obscure village, the child of a peasant woman. He grew up in another village. He worked in a carpenter shop until he was 30, and then for 3 years he was an itinerant preacher. He never wrote a book. He never held an office. He never owned a home. He never had a family. He never went to college. He never put his foot inside a big city. He never traveled 200 miles from the place where he was born. He never did one of the things that usually accompany greatness. He had no credentials but himself.

While he was still a young man, the tide of public opinion turned against him. His friends ran away. He was turned over to his enemies. He went through the mockery of a trial. He was nailed to a cross between two thieves. While he was dying, his executioners gambled for the only piece of property he had on earth, and that was his coat. When he was dead, he was laid in a borrowed grave through the pity of a friend.

Nineteen wide centuries have come and gone, and today he is the central figure of the human race and the leader of the column of progress.

I am far within the mark when I say that all the armies that ever marched, and all the navies that were ever built, and all the parliaments that ever sat, and all the kings that ever reigned, put together, have not affected the life of man upon this earth as has that One Solitary Life.



A long dispute means that both parties are wrong.

-Voltaire

Money will buy a pretty good dog but it won't buy the wag of his tail.

-Josh Billings

No man is obliged to do as much as he can do. A man is to have part of his life to himself.

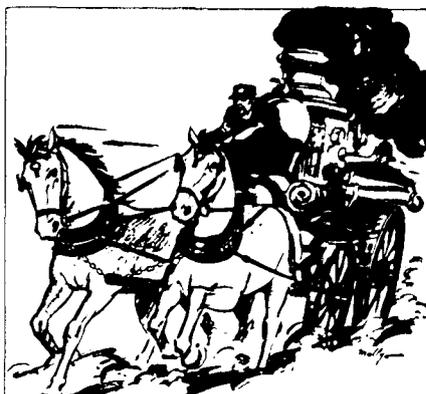
-Samuel Johnson

The happiest time in any man's life is when he is in red-hot pursuit of a dollar with a reasonable prospect of overtaking it.

-Josh Billings

It is seldom very hard to do one's duty when one knows what it is, but it is often exceedingly difficult to find this out.

-Samuel Butler



**FIRE** still take  
a terrific toll  
Prevention is up to YOU!

## SILENCE

The snow comes winging gently down  
And softly blankets trees and ground,  
And yet - it does not make a sound.

The sun shines down so bright and clear  
And sheds its warmth throughout the year,  
But not a sound from it we hear.

The leaves and flowers appear and grow,  
And yet no trumpets do they blow,  
But silently their beauty show.

We must be quiet so we may hear  
What God would whisper in our ear,  
So He can make his message clear.

A blessing new might be in store  
That we have never had before  
If we talked less . . . and listened more.

-Margaret Low Ridley



Men who talk like big wheels usually are mere spokesmen. -Anonymous

To be a good critic demands more brains and judgment than most men possess.

-Josh Billings

Curiosity is one of the permanent and certain characteristics of a vigorous intellect.

-Samuel Johnson

A cynic is just a man who found out when he was about ten that there wasn't any Santa Claus, and he's still upset.

-James Gould Cozzens

# FLAX DELIVERS WRIGHT LECTURE

Dr. Alexander H. Flax, Chief Scientist, United States Air Force, delivered the 23rd Annual Wright Brothers Lecture presented in Washington, D. C., on December 17 by the Institute of the Aeronautical Sciences.

Dr. Flax spoke on "High Temperatures in Flow-Physical Principles and Experimental Techniques." This year's lecture commemorated the 56th anniversary of the first airplane flight made by Orville and Wilbur Wright at Kitty Hawk, North Carolina.

Dr. Flax received a Bachelor's degree in Aeronautical Engineering from New York University and a Ph. D. degree in Physics from the University of Buffalo. Prior to his appointment as Chief Scientist of the Air Force, Dr. Flax was Vice President and Technical Director of Cornell Aeronautical Laboratory. Previously, he was a Structures and Vibration Engineer for the Airplane Division of Curtiss-Wright Corporation and Chief of Aerodynamics and Structures for the Piasecki Helicopter Corporation.

In 1949 he was the recipient of the Lawrence Sperry Award given by the IAS to a young man who has made a notable contribution to the advancement of aeronautics.

Dr. Flax repeated his lecture in Cleveland on December 18, in Los Angeles on December 21, and in Dallas on December 22.

Last year the lecture was delivered by Maurice Roy, Director, Office National d'Etudes et de Recherches Aeronautiques.

**FOR RENT:** 3-room furnished apartment in Newport News. Private bath. Garrison, CHestnut 5-1532.

**FOR SALE:** Boy's 26-inch Schwinn bicycle - \$20. Burtner, Park 2-7708.

I sometimes suspect that half our difficulties are imaginary and that if we kept quiet about them they would disappear.  
-Robert Lynd

Digestion is the great secret of life.  
-Sydney Smith

A man's own dinner is to himself so important that he cannot bring himself to believe that it is a matter utterly indifferent to anyone else.  
-Anthony Trollope



"WELL, WELL. I WONDER WHO LEFT THOSE SKATES THERE LAST NIGHT?"

## KEEP CHRISTMAS FREE FROM ACCIDENTS

Christmas is both the richest and the deadliest holiday on the calendar. Ironically as it may seem, this time of year has become a time of tragedy and death on the Nation's highways and even in the home. And, according to statistics, December 24 - Christmas Eve - is often the worst day of the year for traffic deaths.

With this season now upon us, we must each share the responsibility of eliminating the sources of widespread tragedy.

Start any automobile trip early and take it easy. Be cautious in bad weather and at night. Rainy, snowy, dreary weather means unsafe roads and obstructed vision. Watch out for pedestrians on the streets and highways.

Stay alert. Don't let the confusion of last-minute Christmas shopping, crowded streets, and all the general hustle and bustle distract you when walking or driving.

Watch out for falls at home and away from home. Falls are second only to traffic as accident killers.

Keep Christmas trees in water and away from fire. Be sure all lights and electrical connections are in good condition. Use house decorations that are nonflammable or flame proofed. Don't overload electrical circuits.

Dispose of used tissue paper and other waste packing materials.

Don't give toddlers toys with sharp points or with parts that may come loose and be swallowed.

Be moderate in drinking. Tipsy pedestrians and drinking drivers are most common during the holiday and the celebrants too often clink glasses with a fatal accident.

Share your Christmas joy with others by thinking of their safety. Whether on the road or at home, make safety your gift to everyone.

**FOR SALE:** Microphone - Shure model 55S with new Atlas floor stand - \$25. Lodge, LYric 6-4672.

**FOR SALE:** 1957 Ford Fairlane - \$1250. Bennett, LYric 6-1528 or LYric 6-8286.

**FOR SALE.** Round oak table - \$25, 3-drawer file cabinet - \$35. West, Park 3-6384.

**FOR SALE:** Coleman floor furnace, 50,000 Btu, and 275-gallon tank. Burlock, UNION 8-9090.

## MUST USE ANNUAL LEAVE BY JAN. 9

As the 1959 leave year comes to a close, staff members are reminded that they have until midnight January 9, 1960, to use the annual leave they earned this year.

For those who started this leave year with more than 30 days of accumulated annual leave, all the annual leave they earned during 1959 must be used by January 9 or they will lose the unused portion. In other words, they may keep all the accumulated annual leave they had at the start of the year, but cannot increase it.

Those who had less than 30 days of accumulated leave at the start of the year may end the leave year on January 9 with 30 days leave but no more. This means that they must use all of this year's earned leave in excess of 30 days by January 9. If the excess leave is not used, they will lose the unused portion.

Unused sick leave may be carried over from year to year with no restrictions and there is no limit on the amount of sick leave which may be accumulated.

## NEW YEAR'S DANCE

(Continued from page 3)

possession, you are requested to leave them outside the building. If you see any fireworks in the possession of anyone in the building, please warn the person involved to take them outside and, if the warning is not heeded, please advise Bruce Amole in order that he may take necessary steps to secure their removal.

"I have instructed Mr. Amole to clear the building immediately if fireworks are exploded or if conditions in other respects are unsafe for personnel or property. I would regret having to take such action but my responsibilities for safety of persons in the building would make such action imperative."

**FOR SALE:** Tuxedo - size 38 long. Wilson, Park 3-6485.

**FOR RENT:** Room and board for lady. Hancock, Chestnut 5-5808 or Park 2-4062.

**FOR RENT:** Furnished apartment. Clarke, Park 2-6563.

**FOR RENT:** Bedroom, small den, and private bath. Anderson, 201 Blair Ave.



## QUARTERLY PREMIUM ON INSURANCE DUE MEMBERSHIP DRIVE

(Continued from page 3)

Members of the NASA Group Life Insurance Plan are reminded to save a few dollars of their Christmas shopping money or cash presents to pay the quarter premium which is due Friday, January 1. Premiums 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, will be distributed with paychecks today. After the I. B. M. cards have been issued, premiums will be accepted at the following collection points:

East Area - Room 216, Technical Service Building.

West Area - Room 112, Warehouse Building.

Policies on which premiums are not paid by midnight, January 20, will lapse and a physical examination, at the employee's own expense, will be required in order to renew the life insurance.

**WANTED:** Ride from Poquoson to W. A. on 7 shift. Reynolds, 4565.

**FOR SALE:** Upright piano, walnut finish - \$65. Stewart, Park 3-2569 between 5 and 6 p. m.

**FOR SALE:** 1956 Austin Healy. Phelps, Park 3-9619 after 4 p. m.

which, for insurance purposes, includes the Langley Research Center, Space Task Group, and Wallops Station.

The NASA-Home Life Plan is in addition to and supplements the Federal Employees Group Life Insurance Plan, which covers virtually 100 percent of the NASA staff. It is estimated that the average NASA employee who joins both plans is covered in the amount of \$12,000 in insurance.

The NASA-Home Life Plan is a good investment in family security and nonparticipants are invited to make application for membership. Information may be obtained by calling Mrs. Barbara Evans, Employee Services Section, telephone 4684.

**FOR RENT:** 3-bedroom house in Lynnhaven. Stove, refrigerator, and washing machine furnished. Rosso, Park 2-6123.

**WANTED:** Alternate drivers from Stuart Gardens to W. A. on 7 shift. Wright, 4489.

**FOR SALE:** Boy's 20-inch bicycle - \$8. Kenney, Lyric 6-3568.

**FOR SALE:** Boy's reconditioned 20-inch Roadmaster bicycle - \$18. Moore, Union 8-4372.

# LIFE AT LANGLEY CENTER DURING 1959

As we come to the close of another year, we would like to look back over the events that made history during the Langley Research Center's first complete calendar year as a part of the National Aeronautics and Space Administration.

January - Dr. Glennan Visits Langley and Wallops... NATO AGARD Group Tours Wallops... Robert Tolson Wins IAS Award... Apprentice School Opens... Credit Union Holds Annual Meeting... William P. Tully Retires From Center... Harry A. Stewart Dies.

February - Personnel Division Moves to West Area... Gordon Mercer Heads Federal Service Campaign... William J. Underwood Named to New NASA Position... NASA Organization Depicted by Chart... New Decals Issued for Vehicles... Charles Decker, Robert Hunt, and John Crigler Honored for Long Service Record... New Employees Given Life Insurance Enrollment Extension... 25 Apprentices Graduate... Les Brown Plays for Valentine Dance.

March - Dr. Victory Named Honorary Member of Apprentice Alumni Association... Ira Abbott Named Deputy Director of Aeronautical and Space Research... Edward H. Chamberlin Dies Unexpectedly... Dean Chapman Receives Rockefeller Award... 100-Foot Sphere, Conceived at Langley, to be Launched Into Orbit... Edmond C. Buckley Appointed Assistant Director for Space Flight... William J. Carter Receives Swiss Board of Regents Fellowship... Robert B. Thomas Dies... Thousand Clamor to Make Space Hop... 180 Employees Donate Blood... 17 Apprentices on Honor Roll... Teenage Dance Held.

April - Project Mercury Illustrations Get Wide Use... Dr. Robert Jastrow Heads Lunar Study Group... Project Mercury Supplement Published... City Manager Commends Staff for Cooperation... \$2,689 Donated to Federal Service Effort... Herbert B. Shorter Retires... Seven Astronauts Selected and Assigned to Langley.

May - Langley and Lewis Building Capsules for Mercury Tests... Astronaut Training Program Outlined... Richard E. Horner Appointed NASA Associate Administrator... Philatelists Stamp Astronauts' Arrival as Day in History... Dr. Glennan Addresses Local Joint Chapters... Paul D. Taylor Dies Unexpectedly... NASA Displays Models and Pictures for Armed Forces Day... Pee Wee Hunt Plays for Dance... 15 Apprentices on Honor Roll... S. P. Pleasants Dies... Dance Sponsored for Single Employees... NASA Employees Present Papers at IAS Meeting... Raymond Patrick Dies... Activities Association Holds Election... Holiday Family Picnic Held.

June - Don Stewart Elected President of Activities

Association... Jack Reeder Receives Octave Chanute Award... John Crowley Retires After Long Career... Six-Stage Rocket Launched at Wallops... Paul Dembling Named Employment Policy Officer... President Declares July 3 as Day Off... Seven Employees Receive Advanced Degrees... Six Employees Honored for Long Service... Frank Gough Retires After 22 Years... J. K. Crowther and Janet B. Smith Die... New Shuttle-Bus Service Starts.

July - Naval Air Station Now NASA Facility... B-29 "Mother Ship" Retired After 14 Years of Service... Roland Cole Retires... Regulations Cited for Use of New NASA Insignia... NASA-HOME Life Continue Low Quarterly Rate... Langley Host to Press and Astronauts... NASA Co-Sponsor of Space Meeting... 28 Continuing Graduate Work... 16 Apprentices on Honor Roll... NASA Group Plans Tour of Hawaii... Jet Rollo Plays for Dance... Guy Thibodaux Heads Camera Club.

August - Major Phillip Everett Leaves Langley... Staff Urged to Support Riverside Hospital Building Fund... Raymond Lincoln Dies... NASA Establishes Bioscience Group... Apprentices Select New Class Ring... Picnic and All-Star Game Held.

September - Walter Williams Appointed Associate Director of Project Mercury... Capsule Built at Langley and Lewis Launched Atop Atlas in Mercury Test... John B. Parkinson Heads United Fund Effort... T. W. Edmund Hankinson Named ASME Chairman... John Swihart Selected IAS President... James Luster and Clarence Rollins Retire... Marion Olive, Phillip Hammond, and Benjamin King Die.

October - NASA Flight Research Centered at Edwards... William Alford Dies in Airplane Crash... NASA's Annual Inspection Held at Langley... Captain Cecil Bailey Appointed Liaison Officer... Center Holds Open House for General Public... Dr. Glennan and Dr. Reid Commend Staff on Inspection... Advanced Gifts Net \$14,145... Amendment Alters Federal Insurance... Jim Jones Wins Golf Championship... Hampton Pulliam Dies.

November - Activities Association Holds Annual Thanksgiving Turkey Shoot... Russian Aviation Discussed at IAS-AHS Meet... \$53,834 Donated to United Fund... Larry Elliott Plays for Dance... Alice Gibson, Center's Oldest Employee, Retires... Staff Contributes \$39,744 to Riverside Fund... New Tax Return Forms Available.

December - Space Rocket Brings Monkey Back Alive... General Don Ostrander Heads New NASA Unit... Senator Stennis Visits Langley... New Year's Dance Ends Social Season... Grayson M. Hayden Retires... 16 Apprentices on Honor Roll.

