

The Redstone Rocket

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REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

DECEMBER 17, 1958

Jupiter Carries Monkey on Trip Into Space

AOMC RELIABILITY CONFERENCE HELD

200 Contractor Personnel Attend

The first Army Ordnance Missile Command Reliability Conference with some 200 contractor personnel in attendance was held at the Missile Command on Dec. 16-17.

Maj. Gen. J. B. Medaris, AOMC Commanding General, in an opening address to the conference told the participants, "We of the Army Ordnance Missile Command recognize that achieving an acceptable level of reliability is a matter of good engineering during design and development."

"We know that reliability cannot be inspected or tested into equipment," Gen. Medaris added. "But once adequate reliability is designed into the system, quality control programs which will assure the maintenance of inherent reliability throughout production must be instituted."

Robert W. Cuthill, Chief Engineer, AOMC, and Project Officer of the Reliability Conference, explained that the Conference was held to "spell out for contractors and other government agencies who work for us our broad reliability policies and our procedural approach to getting better reliability with the end purpose of improving overall reliability of Army missiles."

In addition to contractor personnel, representatives from Ordnance Districts, Army Signal and Engineer Corps, and representatives from the Continental Army Commands as well as other Commands attended the conference.

In addition to a tour of the laboratory facilities at the Army Ballistic Missile Agency and the Army Rocket and Guided Missile Agency's Ordnance Missile Lab. testing facilities, numerous presentations were given which pertained to reliability in the missile field.

Subjects included "State of Art versus Reliability," "The Role of Reliability of Weapons Systems in Military Operations," "Stating Reliability in Contracts," and "Demonstrating and Evaluating Reliability Test Results."

Speakers for the presentations were Col. Sterling Holmes, AO- (See RELIABILITY on Page 2)



A SOUTH AMERICAN SQUIRREL MONKEY, like this one, was the first passenger ever carried in the nose cone of a Jupiter Intermediate Range Ballistic Missile. The Army launched another Jupiter from Cape Canaveral, Fla., early Saturday which completely fulfilled its research and development missions: testing the inertial guidance system, arming system and heat-protected nose cone. Surgeons General of the Army and Navy planned the scientific experiment to determine physical effects upon a primate of a flight that reached 300 miles into space and concluded in a target area 1,500 miles at sea. Medical researchers were elated over the information provided in the test. Although two other full-scale Jupiter nose cones were successfully recovered by the U. S. Navy in earlier tests this year, the complex recovery package aboard the cone failed to function properly and Navy planes and ships could not find it. The missile was assembled and flown by the Army Ballistic Missile Agency.

REDSTONE ANNUAL CHILDREN'S CHRISTMAS PARTY SLATED MONDAY

Attention, Redstone Arsenal military personnel. Don't let your children miss the Redstone Arsenal Annual Children's Christmas Party to be held next Monday, Dec. 22nd.

Gifts were wrapped this week in preparation for the festivities.

Scientific Biological Experiment Provides 'Highly Useful' Data

The Jupiter IRBM carried a live primate for the first time in its heat-protected nose cone when launched at 2:58 a.m. Central Standard Time Saturday at Cape Canaveral, Fla.

The South American squirrel monkey was carried in the cone at the request of the Surgeons General of the Army and Navy who conducted the scientific biological experiment.

Brig. Gen. J. A. Barclay, Army Ballistic Missile Agency Commander who was at the launching, reported the Jupiter flight was completely successful. Its primary missions, testing the inertial guidance system, the arming system and the nose cone protection, were carried out satisfactorily.

The nose cone dropped into the pre-designated target area 1,500 miles at sea. Awaiting it were the USS Huse and USS Snowden, Navy destroyer escorts, and the USS Escape, fitted with recovery gear, which have fished three Army nose cones out of the Atlantic One, a Jupiter C cone, was retrieved in August, 1957. The others, two full-scale Jupiter cones, were found after their flights in May and July, 1958.

Several Navy P2V-7 aircraft also participated in the search for the cone.

Telemetered data on the primate's reactions obtained by the Army and Navy officers was described as "highly useful" by them.

Capt. Norman Lee Barr of the Navy Medical Corps issued the following statement:

"The acceleration of takeoff produced mild physiological change but no significant physiological impairment. The respiratory rate was slowed and the respiratory pattern assumed slight irregularity. The pulse rate was increased slightly during the acceleration.

"During the period of the gravity-free state, the respiratory pattern and rate were normal. The heart rate was only slightly accelerated and the electrocardiogram remained normal throughout the entire period of observation.

"The most significant finding so far is that the prolonged gravity-free state does not produce

significant adverse physiological change. This far exceeds any periods of time for a primate in testing reactions under weightless conditions. Other physiological and environmental data remained (See SCIENTIFIC on Page 2)

MISHAP PREVENTS CONE RECOVERY

Search Terminated After Several Hours

Brig. Gen. J. A. Barclay, Commander, Army Ballistic Missile Agency, made the following statement which was released by the Army at 9 a.m. Saturday:

"While the flight of the Jupiter IRBM was completely successful, there appears to have been a mishap in the tricky recovery gear which is carried in the nose cone to assist planes and ships to locate the object after it plunges into the sea approximately 1,500 miles from the launch site. The search has been terminated.

"Observers aboard U. S. Navy ships stationed in the impact area reported sighting the three sections of the Jupiter as they reentered the Earth's atmosphere from outer space. These sections are the booster stage, the instrument compartment containing the inertial guidance system, and the nose cone protected against aerodynamic heating.

"Aircraft were over the impact area in relatively short time and the Navy ships followed shortly after. It is believed the buoy or balloon which normally supports the cone, which is suspended beneath it in the water, did not float.

"Officers of the Army and Navy Medical Corps who conducted the scientific biological experiment said they obtained highly useful data.

"The recovery gear functioned perfectly on three previous flights: a Jupiter C nose cone recovered by the Navy in August, 1957, and two full-scale Jupiter cones recovered in May and July, 1958."



'SANTA'S HELPERS'—A group of enlisted men at Redstone Arsenal have been playing "Santa's helpers" recently repairing toys for the Huntsville Christmas Charities organization to distribute to needy children. Shown above in a "Santaland" workshop set up in the post Service Club are (left to right) Pfc. Harry Daley, Pfc. Hugh Dickie, Pfc. Francis A. Thiessen, and Pfc. John Barry.



CITY VISITS—The Duke of Sparta, Prince Constantine of Greece, visited the Army Ordnance Missile Command last week. He was accompanied by Brig. Gen. J. M. Colby, AOMC Deputy Commander, and the top military staff of the Army agencies on Redstone Arsenal. At the Ordnance Guided Missile School he chatted with Greek soldiers undergoing training in the use of Army rocket and missile systems. He described the Arsenal as "fantastic" in a farewell interview and said he was most impressed by the "progress made in reaching the Moon." The Prince departed the Arsenal for a visit to Cape Canaveral, Fla., site of the giant rocket launchings.

The Redstone Rocket

The Redstone Rocket is a privately owned newspaper published every Wednesday by **Tack W. Hoffhaus**, Huntsville, Alabama, with exclusive regard for the reader interests of personnel at Redstone Arsenal, Alabama, in accordance with an agreement between the publisher and the Public Information Office, Army Ordnance Missile Command, Redstone Arsenal, Alabama.

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A GRIM TIME-TABLE

Seven Steps to Death

(Editor's note: The following article was submitted to the Redstone Rocket by the Redstone Arsenal Safety Division, as a reminder to all post personnel to drive carefully during the coming holiday season.)

J. O. Moore, Director of Automotive Crash Injury Research at Cornell University Medical Center, and J. H. Mathewson, Institute of Transportation and Traffic Engineering, University of California, have reconstructed seven steps, each taking place in one-tenth of a second, which occur when an auto you are driving at 55 miles an hour crashes into a tree. Here are those seven steps:

1. Bumper and grille fold up.
2. Hood caves in and smashes into windshield; fenders crumple

back against front doors. Forward momentum is reduced but your body is still at 55 miles per hour. Your legs are rigid and they snap at the knees like match-sticks.

3. You are off the seat, steering wheel bending in your hands.

4. The two front feet of the car are demolished while the rear end is still traveling at about 35 miles per hour. The block hits and the rear of the car lifts off the ground.

5. The steering wheel shaft goes through your lungs.

6. Your shoes are torn from your feet and your head crashes into the windshield.

7. Car parts fly in all directions. Shock freezes your heart and you are DEAD. Less than a full second has passed since the car hit the tree.

REDSTONE'S

(Continued From Page 1) ing both on and off post, are invited to attend. Dependents of NATO troops stationed at the Arsenal are also included.

The party will be divided into four groups to accommodate all children eligible to participate. Division has been accomplished alphabetically so that children from the same family can attend the same party.

Two parties will be held simultaneously at 9:30 a.m. and again at 1:30 p.m. utilizing the Arsenal's Rocket Auditorium and Post Theatre.

Children whose last names begin with A through D will attend the 9:30 a.m. party at the Rocket Auditorium; E through J will attend at 9:30 a.m. at the Post Theatre; K through R will attend at 1:30 p.m. at the Rocket Auditorium, and S through Z will attend at 1:30 p.m. at the Post Theatre.

Program for the parties will include taped Christmas music, movies and the presentation of gifts.

Bus transportation from the various housing areas will be furnished for both parents and children.

The party is being sponsored by the Arsenal's Joint Activities Council through its Special Projects Committee.

NEW BRANCHES PLANNED FOR RESERVE SCHOOL

Tentative plans are being made to start new branches such as Provost Marshal, Infantry, Engineers, and others for the Huntsville U. S. Army Reserve School.

Satellite classes can be organized anywhere in North Alabama, such as Florence, Sheffield, and Decatur if 10 qualified officers apply for enrollment, 15 Jan. has been set at deadline for reserve who desire to enroll in new courses or in branches already established such as first year advanced C and GS. Age limit for courses are 37 for company, 42 for advanced and 45 for the C and GS.

An assigned student can receive 39 points for retirement per year and 15 days active duty training on pay status during the summer to apply principles learned in classes. The instruction in the USAR school parallels the associate courses at the Army Service Schools. The purpose is to provide branch C and GS training for Reserve Officers in the duties of Unit Commanders and Staff Officers.

Six classes are being conducted by this Staff and Faculty:

Lt. Col. Angelo L. Ferranti, Ass't Commandant and Instructor -4th year Command and General Staff; Lt. Col. Paschal F. Pedding, Jr., Dent. Head, Military Intelligence (MI) Dent. Capt. Gerald W. Meyers, Ass't Ordn. Officer and Ass't Adjutant; Lt. Col. Roy S. Martin-Instructor-1st year Advanced MI; Lt. Col. Theo J. Combel-Instructor, 1st year Basic MI; Maj. Edgar Jones-Instructor, 3rd year Basic Course AAA and Guided Missile; Maj. Stanley Kregor-Instructor, 1st year Advanced Military Government; Capt. J. E. McKamey-Instructor-

the Navy. Space medicine experts considered the flight a necessary step in national programs for manned space flight.

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Schedule of CHILDRENS CHRISTMAS PARTY - families, last name beginning with:

Last name	Time	Date	Place
A thru D	0930	22 Dec	ROCKET AUDITORIUM
E thru J	0930	22 Dec	POST THEATER
K thru R	1330	22 Dec	ROCKET AUDITORIUM
S thru Z	1330	22 Dec	POST THEATER

It is important that the children be at the places listed at time shown. Your cooperation will be greatly appreciated!

Blanche Named Best Toastmaster Speaker

Jim Blanche, of Guidance and Control Lab, ABMA, was named

best speaker at a meeting of the Huntsville Toastmasters Club on Dec. 11. Blanche, who is president of the club, spoke on "I Do Believe in Santa Claus."

Toastmaster of the evening was Cliff Kiley. Jim Taylor won the "Ah-scar" trophy.

1st year Basic Military Government; Maj. Milton Wickliffe and Capt. Robert Gunter, Instructors for MOS Dept.

Enrollment applications may be obtained by calling Pete Redding at Ext. 8815, JE-6-1376, or contacting Mac Atkins at JE 6-5631, US Army Reserve Training Center, 1216 Meridian Street, Huntsville, Ala.

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Christmas Services At Chapel Announced

The Post Chaplain's Office announces the following services at the Post Chapel during Christmas week 21-25 December.

For Protestant personnel and dependents: The Christmas Worship will be held on Sunday, 21 Dec., at 1100 hours.

A Christmas Eve Candlelighting Service will be held Wednesday, 24 December at 1930 hours. This service will include Carol singing.

For Catholic personnel and dependents: On Christmas Eve, Wednesday, 24 Dec., Confessions will be held from 1400-1800 hours and 2100-2300 hours.

Christmas Carols and a Christmas pageant at 1130 hours at 2330 hours.

Midnight High Mass at 2400 hours.

On Christmas Day, 25 Dec. Mass at the Post Chapel at 0900 hours, and at 1100 hours in Chapel No. 2.

"These announced services provide an excellent opportunity for members of both faiths to prepare themselves for a true celebration of the nativity of Jesus Christ," said chaplain (Maj.) James H. Goewey.

READ THE WANTADS

RELIABILITY

(Continued from Page 1)

MC; Robert Cuthill, AOMC; Capt. Donald P. Kelly, Jr., AOMC; L. L. Gober, ABMA; Col. Matthew Coolins, ARGMA; Marvin Groat, AOMC; Cleves Howell, ARGMA; George Henderson, ARGMA; Erich Neubert, ABMA; Dr. N. Golovin, White Sands Missile Range; Capt. R. J. Quantz, ABMA; L. R. McGarv, AOMC; Col. John Redmon, White Sands Missile Range.

SCIENTIFIC

(Continued From Page 1)

to be analyzed."

The Army also continued its "Operation Gaslight" study in connection with the flight to obtain infrared and photographic data from bodies reentering the atmosphere. Special equipment for this purpose was installed on one of the ships near the impact area. Observers on the ships saw the nose cone, instrument compartment and booster stage of the Jupiter as they re-entered.

In three previous nose cone tests, the recovery gear installed in the nose cones of Army rockets functioned perfectly. These included a Jupiter C rocket, in August, 1957; and full-scale Jupiter nose cones flown in May and July, 1958. All the cones were found to be undamaged when fished out by

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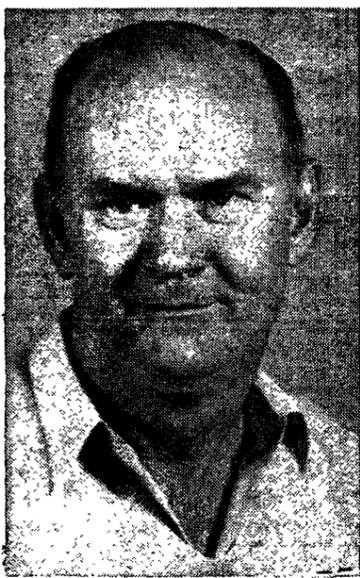
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WILLIAM F. KAISER (second from left), of the Army Ordnance Missile Command, was recently promoted to the rank of colonel in a ceremony at AOMC Headquarters. Shown pinning on Col. Kaiser's new insignia are Maj. Gen. J. B. Medaris (left), Commanding General, AOMC, and Brig. Gen. J. A. Barclay, Commander of the Army Ballistic Missile Agency. Looking on is Mrs. Kaiser. Col. Kaiser serves as Deputy Chief of the Agency's Control Office. He is the son of Mrs. Leona M. Kaiser, of 14 North 21st St., Lafayette, Ind. His father is deceased. Col. Kaiser graduated from Jefferson High School in Lafayette in 1931. He received a B.S. degree in electrical engineering from Purdue University in 1935, and a Master's degree in business administration from the University of Chicago in 1958.



WILLIAM V. MURPHY

Murphy Is Named Safety Supervisor Of the Week

"The Safety Supervisor of the Week" is William V. Murphy, of Communications Installation and Maintenance Foreman, Redstone Arsenal Signal Div., as announced by Redstone Safety Division.

Murphy has been in Signal work for many years, six of which were in the Army and with the exception of two and one-half years at Fort McPherson, Ga., most of his experience has been right here at Redstone. He has been in his present position since

Soldier Teams Teach Civilians Ordnance Skills

FORT SAM HOUSTON, Tex.—How to find and dispose of infernal machines is the subject of a course being offered by the Army to law enforcement officers and civil defense personnel in Arkansas, Louisiana, New Mexico, Oklahoma and Texas upon request of municipal authorities to Fourth U. S. Army Headquarters here.

An 11-hour course, "Explosive Sabotage Devices," acquaints students with the numerous types of high explosive infernal machines and takes up the background of sabotage.

July 1953.

He is a native of Moultrie, Ga. He has one son, Alan, 10, and when asked what Alan likes to do most, he stated that he likes to do just what his daddy does. They live at 105 Drake Avenue, S. W., Huntsville. His favorite hobby is woodworking and he pleases his wife by making furniture and various odd pieces for the house.

Murphy realizes full well the importance of avoiding accidents because in Signal work, many times there are emergency situations and many people may be waiting for phone service. In addition to the usual inconvenience of injuries and property damage, an accident in communications work could cause rather serious delays to many people.

Murphy stated that preventing accidents is probably one subject that he and most others should give even more attention.

The 13-hour study, "Explosive Ordnance Reconnaissance," includes classes in reconnaissance for nuclear weapons, identification of unexploded ordnance devices, investigation of unexploded ordnance incidents, diagnosing types and sizes of unexploded ordnance, protection measures against unexploded bombs, reporting procedures, and hazards in transporting ordnance devices.

Army Ordnance detachments from Fort Polk, La.; Fort Chaffee, Ark.; Fort Still, Okla.; Fort Bliss and Fort Hood, Tex., and Fourth Army Headquarters are furnishing the instructors.

Every soldier snapped to attention when the major entered the mess hall except the new recruit cook.

"Why didn't you come to attention when I entered?" the major asked.

"Sir," came the recruit's reply, "I'm cooking a recipe that says 'Do not stir for 20 minutes.'"



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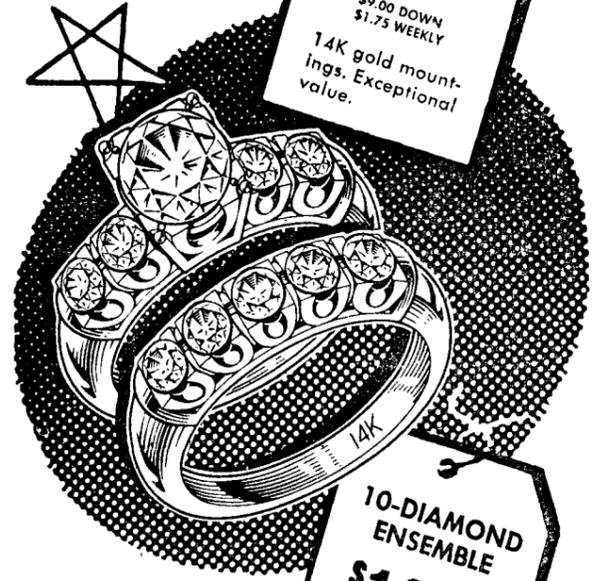
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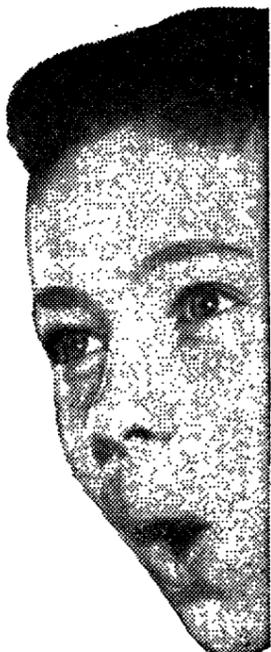
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GROUPED AROUND one of the decorative Christmas trees of gilded fruit and leaves which highlighted the Redstone Arsenal Officers Wives Club's traditional Silver Christmas Tea held Dec. 9 are members of the hostess committee who are, left to right (standing) Mrs. L. P. Sims, Mrs. L. W. Conner, Mrs. G. B. Daughton, Mrs. C. M. Whalen, Mrs. T. T. Paul, Mrs. Robert Flint, Mrs. John Fill (seated) Mrs. J. M. Bishop, Mrs. J. F. Prewett, Mrs. Henry Arrott, Mrs. Myron Dakin, Mrs. James Fagan, Mrs. T. J. Seigler (chairman), and Mrs. Harry Murray. Mrs. William Hahn, also on the hostess committee, is not pictured.

OVER 200 ATTEND OFFICERS WIVES TRADITIONAL SILVER CHRISTMAS TEA

More than 200 officers' wives and guests attended the Redstone Arsenal Officers Wives Club traditional Silver Christmas Tea held Dec. 9 at the Squirrel Hill Officers Club.

The Christmas mood was set in music by Specialist Fourth Class Arthur J. Eurtzman organist, who played Christmas selections throughout the tea. SP Eurtzman is with the U. S. Army School Electronic Training Signal Detachment No. 2.

Highlight of the event was the outstanding decorations heralding the Christmas season.

Centerpiece for the buffet table featured a miniature set of golden organ pipes behind a bank

of cheery candles. On each side stood a miniature red-robed choir boy and the wall above was decorated with angelic trumpeter cutouts of white and gold.

Silver wreaths and gilded fruit entwined in ropes of laurel and magnolia leaves graced walls and pillars. Tables were highlighted by Christmas tree fashioned of leaves and fruit while the wall above the organist was graced with cutouts of angelic choristers.

Two laurel wreaths were presented as door prizes and went to Mrs. D. Cronin and Mrs. J. Fagan. Hostess committee for the tea was headed by Mrs. T. J. Seigler. Members of the decorat-

Results Announced In Officers Wives Bridge Club Play

The Redstone Arsenal Officers Wives Club Bridge Group met on Thursday for weekly competition with the following results: **DUPLICATE**, Master Point Day, 4 tables, Howell movement—first place, Mrs. Thomas Reed and Mrs. T. E. Wood; second, Mrs. Bruce Pierce and Mrs. F. C. Bunn; third, Mrs. L. L. DeNoya and Mrs. James Fagan.

PARTY BRIDGE, 5 tables—first, Mrs. R. L. Spragins, 4170 points; second, Mrs. T. C. Fisher, 3930 points; third, Mrs. D. B. Keever, 3650 points, and low, Mrs. F. L. Brown, 930 points.

The Canasta Group will resume competition on Thursday, January 8th at 10 a. m. at the Squirrel Hill Officers Club.

ing committee, headed by Mrs. Myron H. Dakin, were Mrs. Lloyd Conner, Mrs. John V. Fill, Mrs. James M. Bishop, Mrs. James F. Prewett, Mrs. Lewis P. Sims, Mrs. W. R. Hahn, and Mrs. R. N. Flint.

Serving on the food committee were Mrs. H. M. Murray, chairman; Mrs. James Fagan and Mrs. Glen E. Daughton. Mrs. Henry D. Arrott headed the invitation committee assisted by Mrs. Chandler M. Whalen. Mrs. T. T. Paul was in charge of pouring.

OPERATORS OF SWITCHBOARD GET ARMY SECY'S COMMENDATION

WASHINGTON — The Pentagon, largest office building in the world, needs the largest switchboard in the world. It has it any way you figure. There are 283 switchboard positions through which operators put 100,000 calls daily (another 175,000 are dial-to-dial) to the 46,500 phones of the Defense Telephone Service — Washington.

The telephone operators, however, are not automatons. They are employees of the Army, and pleased as punch at a letter of commendation they received recently from Secretary of the Army Wilbur M. Brucker.

It could perhaps be said that the commendation was reward for acting like automatons rather than like fallible human beings. They prefer it to be said that they acted like telephone operators.

When February's big snow hit Washington on a Saturday, it soon became evident to Mrs. Sara E. LoPresti, the supervisor in charge, that a communication problem was in the making. She alerted the chief operator, Mrs. Dorothy E. Felder, and the assistant chief operator, Miss Marian J. Bailey, at their homes.

Mrs. Felder was on duty from midnight Saturday to 1 p.m. Monday, and again from 7 a.m. to 6:30 p.m. Tuesday; Mrs. Bailey did a 48-hour stretch from Sunday night to Tuesday night.

Transportation was a shambles. Parking lots were more than two-feet deep in snow. Government civilian employees were encouraged to take annual leave on Monday and were given official administrative leave on Tuesday. Uncertainties about whether one's

presence was essential or not loaded the telephone lines.

The Pentagon telephone operators—all government employees—volunteered in large numbers to report to work Sunday evening to be on hand for the expected early call load on Monday. Blankets for rest room couches were obtained from the Army Dispensary.

Many remained Monday night; 50 per cent reported earlier than normally scheduled on both Monday and Tuesday mornings; 100 of 123 operators (16 of the 23 were on sick leave) reported for duty Tuesday, despite the administrative leave and the hazardous road conditions.

It was all in the age-old tradition of telephone operators.

A detail was policing the area when a soldier went up to his sergeant and asked: "I broke up the butt, scattered the tobacco, rolled up the paper and flipped it away. Now what do I do with the filter?"

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OML GROUP GETS SAFETY PINS — Representatives from each unit of the Ordnance Missile Laboratories Division, Army Rocket and Guided Missile Agency, recently were presented five-year safety lapel pins by Col. Thomas E. Wood, OML Director. The group, in a token presentation ceremony, was part of a total of 175 OML personnel eligible to receive such safety pins. Shown above, left to right, are Miss Bertha G. Jenkins, James S. Berry, Thomas Davidson (Chief, ARGMA Safety Branch), Harry S. Williams, Harold W. Penick, Col. Wood, Nicholas J. Mangus, Jr., Mrs. Frances P. Daniel, Paul D. Sandlin, John L. McDaniel.

Two Million-Dollar Contracts Awarded for Construction on Post

Col. R. W. Love, U. S. Army District Engineer at Mobile, Ala., has announced the award of two million-dollar contracts to the Pearce and Gresham Company of Decatur for the construction of additional developmental facilities for the Army Ordnance Missile Command at Redstone Arsenal. Pearce and Gresham submitted the low bids for the two jobs at bid openings held on successive days last week. The Decatur firm already has work under way at the Arsenal under three other contracts totalling approximately \$3,000,000.

One of the new contracts amounting to \$1,060,947.57, calls for the construction of a pre-flight evaluation laboratory for use by the Army Rocket and Guided Missile Agency in performing operational and climatic environmental tests on rockets and missiles. The laboratory will be a one-story rectangular building with partial basement, about 86 feet wide and 267 feet long, of reinforced concrete construction.

The other contract, amounting to \$1,042,252.92, calls for the construction of an engineering service building, an operations service building, two propellant mixing facility buildings each with an earth-covered concrete control bunker, and utility systems to serve the buildings. These buildings constitute the first increment in extensive facilities to be constructed for the use of the Thiokol Chemical Corporation in performing development work on propellants under a long-term contract with the Ordnance Missile Command.

Thanks to Friends Expressed by Father Of Leukemia Victim

A Redstone Arsenal Post Engineer employe whose four-year-old daughter recently died of leukemia has asked The Rocket to "express our deepest appreciation to everyone for the many things they have done for us during the illness and death of our little girl, Deborah Janie." The father, Roy T. Casey, said the expression of thanks came from his wife and son Ricky also.

Casey is a laborer with the Roads and Grounds Section of the Post Engineer office.

The Section recently collected contributions from PE personnel to a fund to assist the Caseys with medical expenses. Although not solicited from other offices, many donations were sent in by persons outside PE, it was reported. A total of \$1,391 has been contributed.

James Anderson Safe Worker of Week

James M. Anderson, welder in the Post Engineer organization, has been selected as the **SAFE WORKER OF THE WEEK**, as announced by the RSA Safety Division.

Anderson's recommendation by his supervision was based on his long record and good all round performance at Redstone Arsenal and the fact that he has never lost a day from his job because of an injury.

Anderson was employed as a welder by the Construction Contractor in 1941 and his employment at Redstone Arsenal has been continuous with the exception of a few days in 1946; so he is truly one of the old-timers at the installation with 17 years of almost continuous service. He does electric, acetylene and heliarc welding. Anderson explains that in heliarc welding, inert gas usually argon, is employed to

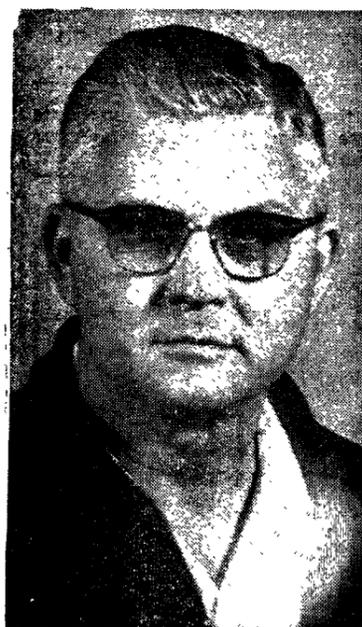
Safety Scoreboard

(As of Dec. 15)

Days since last civilian disabling injury—17.	Our Goal	30
Days since last military disabling injury—20.	Our goal	30
Days since last contractor personnel disabling injury—31.	Our Goal	75
Days since last government vehicle accident—1.	Our Goal	30

shield the arc to prevent rapid oxidation thereby providing a smoother weld. It is used primarily on aluminum.

Anderson now lives at 2606 Poinciana Street, Huntsville. He has a boy, Mike, age 13, who is interested in Boy Scout activities and also likes to fish and hunt. In fact, the whole family enjoys fishing and hunting, especially Mrs. Anderson, who is given credit as the best fisherman in the family. Mr. and Mrs. Anderson are both natives of this area; he is from Paint Rock and she is



JAMES ANDERSON

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MEMBER DOWNTOWN PARK 'N SHOP PARKING



CONTRACTOR CITED FOR WORK—Brig. Gen. J. M. Colby (left), Deputy Commanding General of the Army Ordnance Missile Command, presents a certificate of achievement and desk model of the Jupiter Intermediate Range Ballistic missile to S. K. Hoffman, vice-president of North American Aviation, Inc., and general manager of its Rocketdyne Division. Hoffman accepted in behalf of J. L. Atwood, North American president, who was cited for "significant contributions to the Army missile program."

North American Aviation Chief Is Cited by AOMC

The Redstone and Jupiter engines made by Rocketdyne, a division of North American Aviation, Inc., were singled out for praise recently when the Army Ordnance Missile Command awarded company president J. L. Atwood a certificate of achievement.

Brigadier General J. M. Colby, AOMC Deputy Commanding General, presented the certificate which cited Atwood for "significant contributions to the Army missile programs as a result of his sincere and conscientious efforts in the missile field." Gen. Colby said, "The Army has profited by Rocketdyne's great store of knowledge in building big rocket engines."

Accepting the award for Atwood was S. K. Hoffman, vice-president of North American Aviation, Inc., and general manager of Rocketdyne.

The Redstone engine, besides

its use as the power plant in the Army's Redstone ballistic missile, now deployed overseas, supplied first-stage boost for the Explorer satellites.

The Jupiter engine, in addition to its job as the propulsion system for the Army's intermediate range ballistic missile, has been used for research in space. The Army-NASA space probe employed the Jupiter for first-stage boost from earth.

Beside the Army engines, Rocketdyne makes the liquid propellant engine for the Thor IRBM and the Atlas.

Under development for the Army at the company's California plant is a liquid-propellant engine designated H-1 which will generate, from a grouping of Jupiter and Thor engine, thrust in excess of 1,000,000 pounds.

Rocketdyne employs 13,600 people at its research and development plant in Canoga Park, Calif. and its production plant in Neosho, Missouri.

At Redstone Arsenal, 70 divisions employees perform checkout functions on the engines as well



PFC. HUGH ERWIN (center) receives a gift from the Huntsville Kiwanis Club from the hands of Sen. John Sparkman, (Dem., Ala.), during a recent banquet held by the Kiwanis Club at the Russel Erskine Hotel. At right is Walter Eigenbrod, Kiwanis Club president. PFC ERWIN was chosen Redstone Arsenal Soldier of the Month in competition with all of the troops stationed at the Arsenal. He is a native of New York who received a master's degree in business at Dartmouth College before he entered the Army. A member of the U. S. Army Garrison Troops, his assignment is with the Supply Management Division of the Army Rocket and Guided Missile Agency's Field Service Division. The Kiwanis Club is sponsoring Huntsville's Soldier of the Month program with the Chamber of Commerce.

Accountants Group Lauded for Standing In Nat'l Competition

The Officers and directors of the North Alabama Chapter of the National Association of Accountants held their regular monthly board meeting recently in Decatur.

Walter M. Kasunic, administrative assistant in chapter relations for the National Association of Accountants, congratulated the board on its fine standing in national competition.

R. A. Harrison spoke on "Fundamental Explanation of Electronic Data Processing Systems and Machines" at the Dec. 15 technical session.

Frank J. McLaughlin, of Chemstrand Corporation, Decatur, announced that the chapter had

as participating as instructors at the Ordnance Guided Missile School.

lost only one point in national competition. William Daniel, Ed that a number of manuscripts were being written by chapter members. Rohm and Hass, Huntsville, state members.

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SILVER DOLLARS TO SAFETY CONTEST WINNERS—Allen Deschere, general manager of the Redstone Arsenal Research Division of Rohm & Haas Company, presents 150 silver dollars to Joe Foster and Kenyon Stevenson who jointly submitted the winning safety suggestion. Winners of 50 dollar awards were James McKenzie, Charles Parr, Robert Patterson, and Charles Anerton. Earl Bosserman (left) headed the committee which planned and conducted the contest.

Rohm & Haas Presents Awards for Winning Suggestions on Safety

A Safety Suggestion Contest held by the Redstone Arsenal Research Division of Rohm and Haas Company was completed recently with the presentation of awards for winning suggestions. Awards were presented by Allen Deschere, General Manager, at the regular monthly safety meetings of each section.

The contest opened Oct. 22 and closed Nov. 14. Eighty suggestions were received and approximately 50% of these will be put into effect as submitted. Most of the remainder will be acted upon in a modified form.

The best suggestion of the Division was submitted jointly by Joe Foster and Kenyon Stevenson of the Chemical Engineering Section who proposed a better method for decontaminating equipment used in the processing of propellants. Propellants accumulated in small crevices in such equipment cannot be removed by usual cleaning methods and disassembly of such equipment is quite hazardous. Foster and Stevenson suggested the use of a remotely operated oven which would maintain the contaminated equipment at such a temperature that the propellant would decompose gradually without exploding. In the opinion of the judges, this suggestion should have application to other propel-

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SHORTHANDED ARMY HEALTH NURSES DO PREVENTIVE WORK WITH FAMILIES

CARLISLE BARRACKS, Pa.—When the Army Nurse Corps began assigning nurses to Army health duties, it was natural that Major Helen Schnader should be among the first to get the nod in this new preventive medical field.

Holder since 1942 of a Certificate in Public Health from the University of Pennsylvania (her 1934 nursing school alma mater), she set up the Army Health Nursing Service at Aberdeen Proving Ground, Md., in 1950.

Today about 75 Army nurses trained in this special field are performing worldwide health education duties with thousands of Army families, as Major Schnader is now at Carlisle Barracks, not far from her home in Lancaster, Pa. (204 W. King St.).

It's an important new program in the Army that can't reach full expansion and is threatened with some curtailment because of the shortage of Army nurses who qualify in this specialty.

This shortage has restricted the number of U.S. Army Health nurses assigned to military missions and advisory groups throughout the world. A few of them are still doing a welcome and necessary job in countries where public health nursing is non-existent, rudimentary, and-or in post-war chaos.

Major Schnader is a veteran of this sort of foreign service. She likens her life in 1954-55 with the Korean Civil Assistance Command to that of the old-time tra-

veling country doctor.

This veteran nurse was not, however, unused to the gypsy life. She moved as Third Army troops did from England through France and Germany during World War II.

Before she returned home from Europe at war's end, Major Schnader had an appropriate assignment with the United Nations Emergency Relief Agency, working with internees at displaced persons camps. For Major Schnader holds yet another pertinent certificate—in social work from Fordham University — and had once been a visiting nurse in Lancaster.

This wealth of experience and training is now helping soldier morale and efficiency through preventive health work with the Carlisle community—in clinics (such as pre-natal instruction for both future parents); in schools (hygiene education, immunization); in post homes (reporting, prevention and control of communicable diseases; nursing care and treatment; rehabilitative measures for the chronically ill); and in the nearby civilian community (liaison with public health and school authorities).

lant and explosives processing facilities in the United States.

Award winners in the other sections were Charles Anerton in Chemistry, James McKenzie in Ballistics, Charles Parr in Engineering, and Robert Patterson in Administration.

Assisting in the judging for the overall award were W. E. Albright, Chief of the Redstone Arsenal Safety Office, and Jones F. Harbarger, head of Safety Services for Thiokol Chemical Corp., Redstone Division.

Hollihan Elected President of New Credit Union Group

Huntsville, Decatur, Athens and surrounding area credit unions met last Monday evening at Huntsville High School and formed the Northeast Alabama Chapter of the Alabama Credit Union League.

The group adopted the Chapter's bylaws and elected officers for the year.

Roy Hollihan, General Manager of Redstone Federal Credit Union, was elected president. Jack P. Cranford, director of Chemstrand Employees Credit Union in Decatur, was made vice-president. The dual-vote of secretary-treasurer was given to Mrs. Zada O'Reilly, treasurer of the Huntsville Teachers Credit Union.

The Chapter will serve as an

overseas. The job of these depots, in line with the policy of the parent Special Services Division of the Adjutant General's Office of providing varied reading material for U.S. soldiers and their dependents everywhere, is to restock and recirculate the smaller collections.

Army Serves Big Reading Clientele

WASHINGTON — The U. S. Army runs a really big worldwide library service. Last year it toted up a 25 million circulation figure.

There are 148 main libraries located at installations, with 139 branch libraries satellited on them. Better than twenty and a half million persons visited the Army libraries last year.

This figure does not include soldiers in field training areas and remote outposts who were served by 15 bookmobiles, nor the isolated units which have 662 deposit collections of from 50 to 300 books each.

These unit collections are rotated periodically through 24 library depots in this country and



JOHN S. KERNACHEN (right), of the Army Ordnance Missile Command, recently retired from Government Service after 31 years' service. In photo above, he receives congratulations from Brig. Gen. J. G. Shinkle, Commander of the Army Rocket and Guided Missile Agency. Kernachan was a mechanical engineer in the Ground Equipment Section of ARGMA's Research and Development Division at the time of his retirement. He came to Redstone Arsenal in 1951, from the New York District of the Army Corps of Engineers. He resides now at 2014 Shade Ave., Florence, Ala.

educational arm of the Alabama Credit Union League to assist individual credit unions in operational and promotional activities. Monthly meetings are being planned for the following year.

Chapter membership is open to approximately 15 area credit unions which serve nearly 12,000 members with assets in excess of \$3,500,000.

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TROPHY FOR THE WINNERS—Brig. Gen. J. M. Colby (second from left), Deputy Commanding General, AOMC, presents trophy to winning team in the post's Unit Level Six-Man Football League—Hq. & Hq. Det. USAG, better known as "Dabby's Rangers." Left to right are Maj. Jesse Garner, RSA Troop Commander; Clem Spillane, assistant coach; Capt. John P. Dabravalskas, unit commander; Doug Zitek, coach; Gen. Colby; and Capt. G. W. Allen, Special Services Officer.



RUNNERS-UP GRIDDERS—Capt. Edward Ottman (second from left), unit commander of A Det. OGMS, accepts second-place Unit Level Six-Man Football League trophy from Brig. Gen. J. M. Colby, Deputy Commanding General, AOMC. A Det., known as "Ottman's Tigers," finished second to Hq. & Hq. Det. USAG ("Dabby's Rangers") in the recently-concluded competition. Left to right in photo are: Ed McGillivray, coach; Capt. Ottman; Col. Claude Cason, OGMS Troop Commander; Gen. Colby; and Capt. G. W. Allen, Special Services Officer.

Rapid Transit Chess Match Held Weekly At Post Service Club

The Redstone Arsenal Chess Club is sponsoring weekly Rapid Transit Chess Matches at the Service Club. All moves must be made with-

in 10 seconds and a prize is given each week to the winner. The winner is then ineligible to receive the prize in the next two matches.

Next month the club is planning a tournament to establish a new Arsenal Team. Also planned is a match with the team at Fort McClellan, Ala.

The last trip made by the team

was four days TDY to play the New Orleans Chess Club. Of the seven team members, five were from Detachment A: SP-5 Russ Freeman (since discharged), SP-4 Mike Schulman, SP-4 Herb Curtis, Pfc. Sol Weber, and Pfc. John Quigley.

SPORTS AWARDS BANQUET HELD BY THIOKOL

The Redstone Division of Thiokol Chemical Corporation held its annual sports awards banquet recently at the Russel Erskine Hotel.

Following a social hour, dinner was served and awards were presented by L. C. Sanderson to the following employees: Harold Carlisle, award for Most Valuable Player in volleyball; Testing Department award for Team Championship in Thiokol Bowling League; Ray Johnson, award for High Single Game in bowling; Joe Sharp, award for High (3) Games Series and award for High Season Average; Jeff Tate, award for Most Valuable Player on Space Aces basketball team; Bobby League, award for Most Valuable Player on Thiokol Kings basketball team and award for Most Valuable Player in softball; Neal White for Highest Batting Average for the season in softball; and Martha Sue Hyatt, award for High Average in women's bowling and award for High (3) Games Series.

The following employees received jackets for their participation in basketball, softball, and bowling: Charles Taylor, Ray Garrison, Melvin Stafford, Neal Freeman, Jack Rhoden, Billy Neal, Rick Wilson, Donald Gridler, Dave Deiters, Deane Herbert, James Rousseau, Roland Cantrell, Bryce Brubaker, Don Engle, Thomas Newby, Tommy Adcock, and Billy Bishop.

Fifty-nine employees attended the affair. Floyd Fann was master of ceremonies. L. C. Sanderson represented Management and Paul C. House represented Employee Relations. Entertainment was furnished by James Fann in the form of a magic show.

RSA MIXED BOWLING LEAGUE

TEAM	Won	Lost
Peapickers	67½	22½
Bombers	50	40
HiCounts	49	41
BowlWeevils	48	42
Pindroppers	45	45
D-Yanks	39	51
HolyRollers	35½	54½
BlindMice	27	63
200 Games Men-Thompson	244	
McGraw, 214. Love 215, Vowell 211, 213.		
180 Games Women - Vowell 183		

In the past, the club has been composed mainly of members of Detachment "A", but new blood is always welcome. For any additional information call the Chess Club president, SP-4 Mike Schulman, at ext. 5829 during working hours.

Meeting of AFGE Scheduled Jan. 6

The next regular meeting of Redstone Arsenal Lodge 1858, American Federation of Government Employees, will be held at 5 p.m. Tuesday, Jan. 6, in the Rocket Auditorium, Bl. 7120, it was announced by E. L. Lowther, Lodge president.

Civilian employees wishing to join AFGE should contact the vice-president for their respective agencies, Lowther stated. For further information, interested personnel should contact Lowther at ext 6533.

BASKETBALL STANDINGS Dec. 1-16

	Won	Lost
Hq. and Hq. Det. 1	4	0
3rd ETD	4	0
291ST MP CO	4	0
Officers	4	1
1st ETD	4	1
"B" Det ABMA	4	1
2nd ETD	2	2
Hq. and Hq. Det. 2	2	2
"A" Det. OGMS	1	2
"B" Det. OGMS 1	1	3
Hq UTC	1	4
864th AF	1	4
"B" Det. OGMS 2	0	3
Medical Det.	0	4
9615 Sig. Det.	0	4

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Audie Murphy - Eddie Albert

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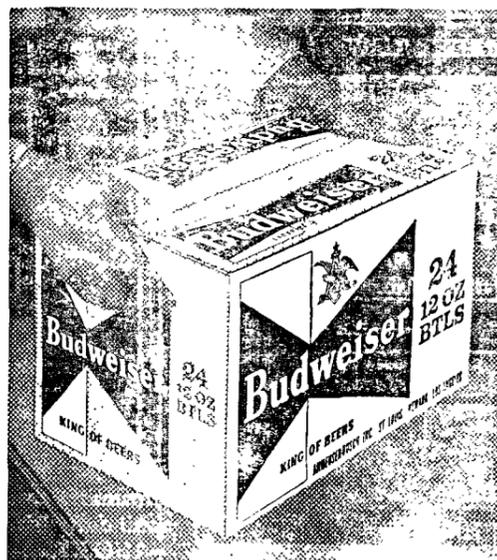
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'SANTA' CAME EARLY—Santa Claus came early—in the form of a generous Redstone Arsenal soldier—to this group of Huntsville sandlot footballers, shown above decked out in flashy new uniforms given to them by Pfc. Erwin R. Abell. Formerly of the Ordnance Guided Missile School at Redstone, and since transferred to duty in Germany, Pfc. Abell happened to see the youngsters—obviously long on spirit but short on equipment—playing in a vacant field one day. He later bought \$300 worth of uniforms and presented them to the happily surprised boys. Afterwards, Pfc. Abell—a native of Edmonton in Alberta Province, Canada—became the squads coach. Members of the team—known as the "Stompers"—are (left to right, front row): W. Miller, K. Worthy, S. Stokes, D. Neal, F. King, A. Mills, Jr. Vickers, T. Field, M. Crickett. Back row: G. Bullard, G. Troglen, W. Justice, G. Williams, T. Traglen, and R. Henson. (U. S. Army photo.)

LEADING SCORERS IN RSA UNIT LEVEL BASKETBALL LEAGUE

Name	G	TP	Avg
Bobby Erwin	Hq. and Hq. Det 1	3	76 25.1
Dellegar	864th AF	5	104 20.4
Glidewell	1st ETD	5	97 19.2
Spillum	Hq. and Hq. Det 1	3	58 19.1
Currey	Hq. and Hq. Det 2	3	54 18.0
Lazaroff	"B" Det. ABMA	5	86 17.1
Kozy	"B" Det. OGMS 2	3	50 16.2

BASKETBALL SCOREBOARD

Hq. and Hq. Det. 2—45, Medical Det—43
 1st ETD—68, 9615 Sig. Det.—43
 RSA Officers—42, Hq. UTC—29
 "B" Det. ABMA—77, 2nd ETD—49
 Hq. and Hq. Det 2—53, 864th AF—51

BASKETBALL SCHEDULE DEC. 17-18

Dec. 17—9615 Signal Det. vs 2nd ETD 1800
 Dec. 17—Hq. Det. UTC vs Hq. Hq. Det. 2 1930
 Dec. 18—"B" Det. ABMA vs Medical Det. 1800
 Dec. 18—864th AF vs "B" Det. OGMS 1930
 Play will resume in the RSA Unit Level Basketball League Jan. 5, 1959:
 Jan. 5—"B" Det. ABMA vs 864th AF 1800
 Jan. 5—Hq. UTC vs "B" Det. OGMS 1930

Patronize the Rocket Advertisers

At the Service Club

Decking the halls with boughs of holly are members of the service Club Staff and volunteers in preparation for the Christmas Formal Thursday, Dec. 18 from 8 to 12 o'clock. The Junior Hostesses will be all aglow Thursday night because the JUNIOR HOSTESS OF THE YEAR will be announced early in the evening. All of the charming young Hostesses will be recognized and presented name tags for their outstanding work during the past year. Music for dancing will be furnished by Jimmy Thomas' Orchestra and will begin promptly at 8 o'clock. The hostesses from Huntsville and Birmingham will be guests for the dance. Don't miss the first tango.

Clyde Nestler will show his color slides of Japan, which he took recently, at 7:30 tonight, Dec. 17, in the lounge. We understand that he has an excellent assortment of pictures. Coffee will be served at 8 o'clock.

The Missilemen and Maids led the Song Fest Sunday at the Service Club. Clay Dawson is director of the group and he is doing an excellent job. We enjoyed singing some of our favorite carols and we especially enjoyed the special numbers including: "Winter Wonderland," "Carol of the Bells," and "White Christmas." We would like to congratulate the group on a delightful presentation.

Acts of charity or love are

exemplified in numerous ways by many people. It is an act of selflessness which brings to the giver the same happiness with which it enriches the recipient. To bring hope, to bring joy to a home where none existed before, and ask nothing in return.....this is charity. Work nights at the Service Club for the Christmas Charities are planned each night this week.

We still have many finishing tasks on the toys such as washing and waxing of toys, minor repairs to small metal items, and separating clean toys into sets. Anyone who will assist in the varied tasks is invited to join Santa's helpers at Santa Land in the Service Club this week.

Christmas Charities will have Open House Sunday, Dec. 21, and all of the toys must be completed by that time so that they can be on display. Let's do our little share in making the children happy this year.

BINGO will be played at the Christmas Eve Party. The fabulous gifts were presented to the Club by the Jewish Welfare Board in Huntsville. Be on hand at 8 o'clock for the first game because you will be delighted with the useful gifts.

Attention all U. S. Army Enlisted Men: If you would like an invitation for Christmas Dinner

231 DRIVE-IN

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Starts Dec. 16th
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WORTH GOING BACK TO HEAR ALL OVER AGAIN. TAKE IT FROM ONE WHO IS ABOUT TO.

Anyone who can sit through it without smiling nostalgically or tapping a foot in three-quarters time would be a cold tone-deaf customer indeed. Beautiful to watch, melodic as all get-out... truly fine operetta score, superlatively arranged. —N. Y. Times

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 "lavishly mounted, replete with pretty girls, tinkling tunes, dancing swashbuckling" —N. Y. Post

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 Ellen and Alice KESSLER
 DICK PRICE

Shown in German with English Sub-titles
 — IN COLOR —

Movie Schedule

Wednesday, 17 Dec., "The Far Country" starring James Stewart, Ruth Roman, Corinne Calvet and Walter Brennan. Time 1315, 1745, and 1945.

Thursday and Friday, 18 and 19 Dec. "The Geisha Boy" starring Jerry Lewis and Maire McDonald. Time 1315, 1745, and 1945.

Saturday 20 Dec. SPECIAL MATINEE, "Hellcats of the Navy" starring Ronald Regan. Time 1000.

Saturday, 20 Dec., "Murder by Contract" starring Vince Edwards and Phillip Pine. Time 1830.

Sunday and Monday, 21 and 22 Dec., "Mardi Gras" starring Pat Boone, Tommy Sands, Gary Crosby and Christine Carere. Time Sunday and Monday 1400 and 1830.

Tuesday, 23 Dec., Tokyo After Dark" starring Richard Long and Nobu McCarthy. Time 1830.

Due to decrease of theater personnel during Christmas holidays, the Post Theater will operate on a schedule of one matinee (1400

with Huntsvillians, you are requested to make reservations at the Service Club office today.

The Service Club will be open every day throughout the Holiday Season from 9:30 a. m. until 10 p. m. for your convenience. Coffee will be served Christmas at 10 a. m.

The New Year's Eve dance will begin at 8 o'clock Dec. 31. The Birmingham hostesses will be here promptly so get here early and don't miss a dance.

To all, a wonderful Christmas - the best ever!

FRANCES

WHITESBURG DRIVE-IN

LAST TIMES TONIGHT

BETTY HUTTON
 DANA ANDREWS

SPRING REUNION

THURSDAY & FRIDAY

THIS HAPPY FEELING

REYNOLDS JURGENS SAXON
 ALEXIS SMITH - MARY ASTOR

SATURDAY

ALAN LADD
 SOPHIA LOREN
 CLIFTON WEBB
 CINEMASCOPE
 BOY ON A DOLPHIN

"This Island Earth"

SUNDAY & MONDAY

SOPHIA LOREN
 ANTHONY PERKINS
 DESIRE UNDER THE ELMS
 BURL IVES

TUESDAY & WEDNESDAY

18 TOP RECORDING STARS!
 15 SONG HITS!
 BIG BEAT
 GOGI GRANT
 WILLIAM REYNOLDS - ANDRA MARTIN

Plus

WILD about LOVE
 CRAZY about MUSIC!
 Summer Love
 JOHN SAXON - JUDY MOLLY - MEREDITH BEE

FORD INSTRUMENT CO. CHIEF GETS AOMC CITATION

Charles Rockwell, president of the Ford Instrument Co., Long Island City, N. Y., has been awarded an AOMC Certificate of Achievement for the role he and his company has played in the Jupiter production program.

Col. Calvin Heath, Chief of Industrial Division, ABMA, presented the award—a citation and a small model of the Jupiter—at a ceremony in New York recently.

Ford Instrument, a division of the Sperry Rand Corp., produces Jupiter guidance components. Other divisions of the corporation are active in the program to a lesser degree.

Col. Heath praised the company for its quality production and control components.

hrs Sunday thru Friday - 1000 hrs Saturday) and one evening performance (1830 hrs) effective 20 Dec.

GRAND THEATRE

THURSDAY & FRIDAY

PIRATES ON THE MISSISSIPPI!



ONE OF THE ADVENTURES

OF TOM SAWYER

SATURDAY

TV'S LAFF-FAMED FUNSTERS

DAN ROWAN and DICK MARTIN
 Once Upon A Horse

Plus

UNIVERSAL-INTERNATIONAL PRESENTS
 THE THING THAT COULDN'T DIE

SUN., MON., TUES.

"Restless Years"

John Saxon

STARTS WEDNESDAY!

Christmas Special!



THE 8TH WONDER OF THE SCREEN!

THE 7th VOYAGE OF SINBAD

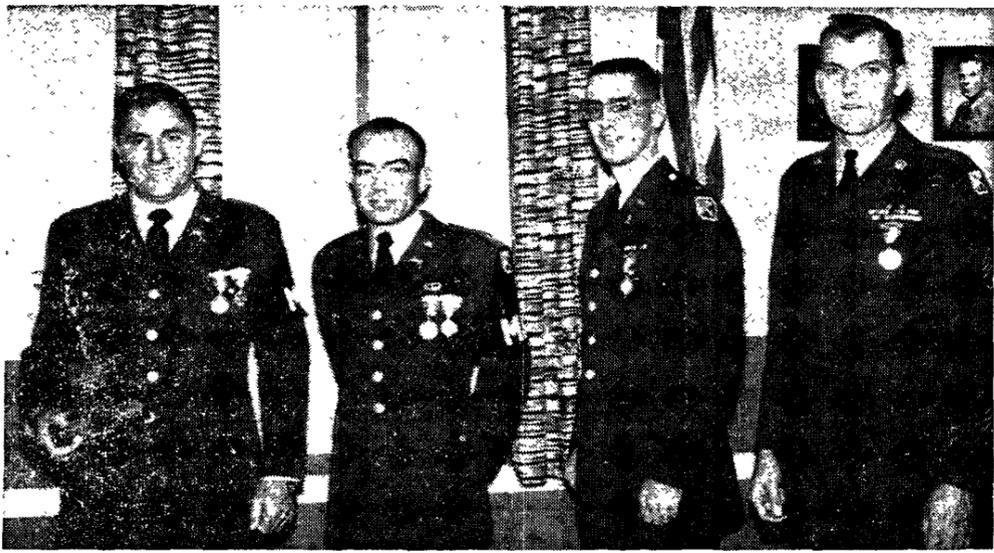
DYNAMATION Technicolor
 starring KERWIN MATHEWS
 KATHRYN GRANT

co-starring RICHARD EVER as GENIE with TORIN THATCHER
 A MORNINGSIDE PRODUCTION
 A COLUMBIA PICTURE

PARKWAY
 WEDNESDAY-THURSDAY
 Paramount presents
War and Peace
 COLOR BY TECHNICOLOR
 FRIDAY & SATURDAY
 20th Century Fox presents
OH MEN! OH WOMEN!
 Plus
 COLUMBIA PICTURES presents
RANDOLPH SCOTT
 A LASS OF STREET
 co-starring ANGELA LANSBURY
 STARTS SUNDAY
 PARAMOUNT PRESENTS
GARY COOPER - MADELEINE CARROLL
DAMILE'S NORTH WEST MOUNTED POLICE

WOODY'S DRIVE-IN
 OPEN 6:00 - START 6:30
 THURSDAY & FRIDAY
Joan Crawford
QUEEN BEE
 Plus
 COLUMBIA PICTURES presents
3:10 TO YUMA
 Starring
**GLENN FORD
 VAN HEFLIN
 FELICIA FARR**
 SATURDAY
JOHN CASSAVETES in
AFFAIR IN HAVANA
 —PLUS—
Randolph SCOTT
THE DOORS OF OKLAHOMA
 A Columbia Reprint
 SUNDAY & MONDAY
"Raw Wind in Eden"
 Starring
**JEFF CHANDLER
 ESTHER WILLIAMS**

THE 8TH WONDER OF THE SCREEN!
THE 7th VOYAGE OF SINBAD
 DYNAMATION Technicolor
 starring **KERWIN MATHEWS
 KATHRYN GRANT**
 co-starring **RICHARD EVER** as GENIE with **TORIN THATCHER**
 A MORNINGSIDE PRODUCTION
 A COLUMBIA PICTURE



PISTOL SHOOTING CHAMPS—Redstone Arsenal Troop Command's pistol team recently won out over teams from the Ordnance Guided Missile School and the 864th Strategic Missile Squadron (Jupiter IRBM) in matches fired here. Receiving individual awards for the winners were (left to right) Capt. Joseph A. Myers, Capt. Calvin C. Guffey, Lt. Paul Brinkpeter, and Sgt. Bieganski. Capt. Myers was captain of the pistol team. Lt. Brinkpeter, in addition to being on the pistol squad, was captain of Troop Command's small-bore rifle team.

Forewords for Combat Readiness

'ONE ARMY' THEME DISCUSSED BY CONARC CHIEF

BY GENERAL BRUCE C. CLARK

Commanding General, CONARC
This begins a series of messages bearing upon our primary job in the United States Continental Army Command—combat readiness.

As with any job, our work will go forward faster if workers know WHY as well as what to do. That is the aim of your commanders' orientation talks. That is the aim of FOREWORDS.

Today's topic is "One Army"—an expression that you will see and hear more often in the future. I want you to know the idea it signifies is becoming ever more important to combat readiness.

In battle there has never been anything but "One Army." No victory, in American military has ever been won by a single arm, service, or component of the Army. Victory in the field has always been the product of the combined efforts of Regulars, Guardsmen, Reservists and Army civilians with all arms and services working as a combat team.

In the past, however, space, allies, and the pace of warfare granted years to activate unity and teamwork in the Army after war began. So, in the past parochial pride and petty rivalry within the Army during peacetime were considered relatively harmless—even permissible in the name of esprit de corps. There was time enough to erase conflicting attitudes and complete the welding process before commitment to combat.

Today the time is ZERO!
From the very outset of a shooting war—general or localized—all components and all arms and services would be involved. The unity of spirit and teamwork of performance so essential to combat readiness must exist throughout the Army before the first shot is fired. Today our Reserve Forces are an integral part of our front-line deterrent to aggression.

It is not enough that every member have the peacetime skill to serve on the Army team; he

must have the wartime will. Any detracting influence is erosive. Any lesser loyalty is cancerous if it conflicts with loyalty to the Army and the security of our country.

Not all members of our "One Army" Team wear Army Green. More than 78,000 men and women in USCONARC alone are Department of the Army civilians. At many posts their average on-the-

MAJ. TOWNSEND NAMED PRESIDENT OF SOJOURNERS

Election of officers for 1959 was part of the business at the dinner meeting of Redstone Chapter 353, National Sojourners, held at the Squirrel Hill Officers Club on 11 Dec.

From a slate prepared by the nominating committee headed by Col. Thurston T. Paul, Jr., the following were unanimously elected:

Maj. Lincoln H. Townsend, president.

Lt. Col. Norton S. Jaffe, vice-president.

Capt. Kenneth W. Gryder, secretary-treasurer.

For the Heroes of '76 the following were chosen:

Lt. Col. Bruce Pierce, commander.

CWO George F. Broxton, chief of staff.

Capt. Gerald E. Watkins, adjutant.

Maj. Lester E. Clark transferred into Chapter 353 and spoke briefly on Americanism.

Chaplain Maj. James H. Govey was the speaker for the evening and built his talk around guided missiles to emphasize leadership.

Credit for the large attendance was given to Lt. Col. Paschal E. Redding, who was program chairman for the meeting.

President Fred Sayers announced the newly elected officers would be installed at the January meeting which will be a ladies night. The date and place will be announced later.

job longevity exceeds that of members in uniform. In some offices their total service with the Army exceeds that of military personnel. At all posts their stability of assignment and devotion to duty add materially to maintaining a working continuity in our efforts.

In our public as well as our internal relations, the "One Army" attitude must pervade all ranks. Public statements which seek to promote esteem for one element of the Army at the expense of another are harmful to all.

Our Army has but one goal: the security of our country. Surely this responsibility is too grave for us to indulge in petty press-agentry. Only by unity will the Army Team focus public interest effectively upon the essentials for fulfilling our responsibility to our country.

The "One Army" attitude also bears upon our inter-service relationships with our Navy and Air Force. Army doctrine is TRISERVICE. When the Army speaks as one, there is no doubt of it. We avoid even the semblance of parochial bickering.

We have no rivals this side of the Iron Curtain. By unity of Army effort and the support of our sister services, we will maintain the combat readiness to keep our real rivals where they belong.

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Flowers

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PHONE JE 2-8454



Our Christmas surprise for you!

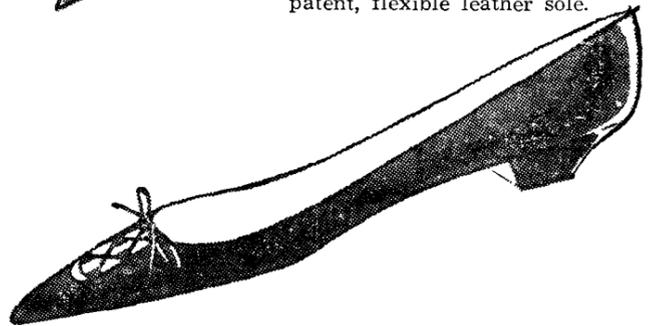
Delightful new flats... Christmas wishes come true!

So timely for the gay holidays ahead! Choose your favorite pair from the most festive flats in town!

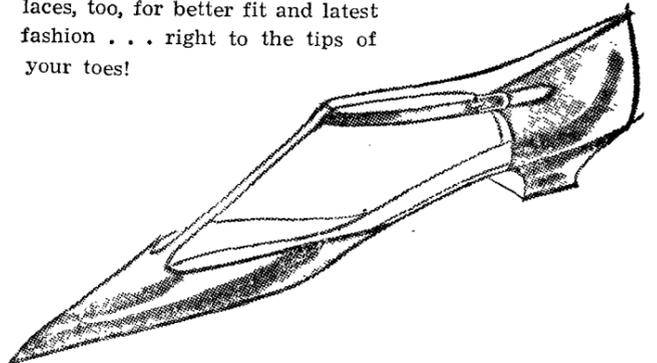
- Hosiery
- Handbags



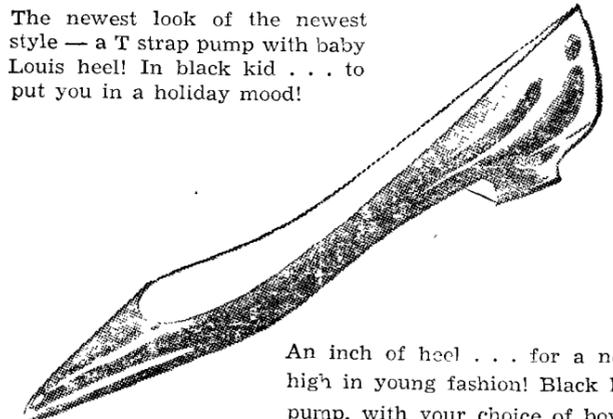
A new teen fashion in flats — spelled with this capital T! Black smooth leather, gleaming black patent, flexible leather sole.



Sharp flat — in black calf with shaped Cuban heel! Elasticized laces, too, for better fit and latest fashion... right to the tips of your toes!



The newest look of the newest style — a T strap pump with baby Louis heel! In black kid... to put you in a holiday mood!



An inch of heel... for a new high in young fashion! Black kid pump, with your choice of bow.

If you are in doubt about size or color— then give our sure to please GIFT CERTIFICATE!

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JAMES R. GLENN, veteran of the battle of Argonne Forest, World War I, is chief of the civilian guards at Redstone Arsenal.

World War I Soldier J. R. Glenn Now Holds RSA Civilian Guards

James R. Glenn, whose service to his country began in 1918 with World War I, continues to serve in civilian capacity as chief of the civilian guards at Redstone Arsenal.

The Army Ordnance Missile Command paid special tribute to its World War I veterans in connection with the observance of Veteran's Day, Nov. 11th.

The call to Army service came for Glenn in January of 1918, shortly after he had finished high school at Fyffe, Ala.

He completed 13 weeks training at Ft. Oglethorpe, Ga., and Camp Wadsworth, Spartanburg, S. C., before shipment overseas to the lines in France where he served with Headquarters Company, 54th Infantry, 6th Division.

He saw action during the first six days of the battle of Argonne Forest, was overcome by mustard

gas, and returned to an emergency hospital at Brest, France.

"I returned to the United States on December 23, 1918, as a stretcher case" Glenn explained, "and spent about 3 weeks in a New York City hospital before being transferred to the Army hospital at Oteen, N. C. I remained a patient there until my discharge six months later."

Glenn re-enlisted in the Army in 1919 for a year tour of duty, and upon discharge went to work for the Alabama Power Company at Gadsden, Ala.

During the following year he developed tuberculosis — a result of the mustard gas poisoning he suffered in France. For 14 years he battled the disease. In 1936 he was proclaimed cured, and returned to a normal life outside hospital walls.

Glenn came to Redstone Arsenal as a guard in August 1942.



'COFFEE MONEY' FOR CRIPPLED CHILDREN—A group of Army Ballistic Missile Agency personnel recently voted to donate the accumulated profits from their unit's "coffee fund" to the Huntsville Shrine Club for the club's Crippled Children's Fund. In photo above, Vernon Wilson (second from left), representing the approximately 40 employees of the Body and Tail Unit Assembly Section of the Fabrication Laboratory's Assembly Shop, presents check for \$100 to Doug Ray, president of the Huntsville Shrine Club. Left to right are: Dr. Otis F. Gay, medical director of the Crippled Children's Clinic in Huntsville; Wilson; Ray; Hugh Enfield, Shrine Club treasurer; and Buck Larkin, Shrine Club incoming president.

This Soldier Born In General's Office

FORT RILEY, Kans. — No soldier at this former cavalry post has a greater sentimental attachment to the office of the commanding general than Sergeant Charles Colver.

He was born there 25 years ago, when the headquarters building was the Army hospital, and the "old man's" office was the delivery room.

The post, now the home of the First Infantry, one of the four U. S. Strategic Army Corps Divisions, is, in fact, a three-generation home for the Colver family.

A grandfather, now buried in the Fort Riley cemetery, was sergeant major of the 13th. Cavalry from 1927 to 1932, when young Colver's father was a stable sergeant.

The senior Colver lives in re-

He worked his way up to shift chief before leaving in 1947 to assume the position of traffic chief at Robbins Air Force Base, Warner Robbins, Ga.

He returned to the Arsenal in 1950 as a civilian guard captain, and became chief of the civilian guards in 1954.

Today he has 228 guards under him, serving all elements of the Command at Huntsville, as well as the Ordnance Guided Missile Command.

Glenn is a member of the DAV, the American Society of Industrial Security, the Fraternal Order of Police, and the Alabama Sheriff and Peace Officers Association.

He and his wife live at 3912 Pine Ave., N. W., Huntsville. They have five children and 12 grandchildren. Glenn is the son of W. R. Glenn of Ft. Payne, Ala.

Army Civilian Gets Highest \$5000 Award

WASHINGTON — A supervising structural engineer employed by the Army has been awarded \$5000 for a suggestion that has saved approximately \$6 million in Army construction costs.

William E. Schaem received this highest monetary award that the

retirement in nearby Junction City after 31 years in the Army, a veteran of both World Wars and of nine years service at Riley. While assigned here, young Colver is living with his parents in the city where he attended the public high school.

Army can make to a civilian employee for his original proposal of using high strength steel bands for reinforcing rigid concrete girders. He is employed in the Office of the Army Chief of Engineers in Washington.

After thorough tests, this novel method was unanimously approved by the American Concrete Institute.

Schaem received an initial award of \$1300 from the Office of the Chief of Engineers last October. It was followed recently by an additional \$3700 from the Department of Army.

Only two other civilian employees have ever received this maximum \$5000 Army suggestion award.

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PAUL NELSON, Navy veteran of World War I, is chief of the Railroad Section at Redstone Arsenal. He is shown in the cab of one of the 65-ton locomotives operated by the Arsenal.

ON NOV. 11, 1918, VETERAN PAUL NELSON WAS U.S.-BOUND

"On Armistice day, Nov. 11, 1918, I was in the middle of the ocean, on my way back to the United States," recalled Paul Nelson, chief of the Railway Section, Redstone Arsenal, as he described his more than two years service with the U. S. Navy during World War I.

The Army Ordnance Missile Command gave special recognition to its World War I veterans in connection with the observance of Veterans Day last week. With the outbreak of World War I, Nelson left high school at Elkton, Tenn. to join the U. S. Navy, enlisting on May 3rd, 1917. He completed training at Norfolk, Va., and went to Cuba and back on the battleship U. S. S. North Dakota for a six-week training cruise.

He was then assigned to armed guard service on the transport S. S. El Sol, a privately owned ship which operated under contract with the U. S. government to carry supplies and troops from the U. S. to France.

In the summer of 1918 he was transferred to another commercially owned transport, the S. S. Montecella, and continued armed guard duty.

Although these two ships were operated by merchant marines, they each carried 24 naval personnel to man the two guns, a one-pounder on the forward deck and a six-pounder on the stern. "The two guns," Nelson explained, "were defense against both submarines and surface raiders. However, we never were attacked."

Nelson served as a gun trainer in the crew for the six-pounder. He completed two trips to France aboard the El Sol and four trips aboard the Montecella.

"We picked up loads of supplies at Norfolk, then went up the coast to New York Harbor to join a convoy," he related. "There were usually 10 to 20 ships per convoy," he continued, "and we stayed together on the way to France. However, the ships returned to the U. S. one by one."

The El Sol and Montecello carried logistic supplies, he explained, relating that once they carried a shipment of 75 Army mules. In France the ships landed at either La Harve, Bordeaux, or St. Nazaire.

When Nelson returned to Norfolk following the Armistice he was transferred to the Washington Navy Yards and for the remainder of his enlistment served on the tug boat U. S. S. Triton, running from Washington to In-

Special Services Activities

POST SERVICE CLUB OPERATING HOURS

Monday thru Saturday 1000-2200.

Sunday and Holidays 0900-2200.

LIBRARY OPERATING HOURS

Monday thru Friday 0900-2200.

Saturday and Holidays 1000-2200.

Sunday 1200-2200

CRAFTS SHOP OPERATING HOURS

Monday and Tuesday—Closed.

Wednesday thru Friday 1400-1630 and 1730-2200.

Saturday and Holidays 0800-1630.

Sunday 1230-1930.

RSA BOWLING LANES OPERATING HOURS

Mon., Wed., and Sun., 1300-2300.

Tues., Thurs., Sat., Hol., 1000-2300.

Friday 0900-2300.

dian Head, Md. He received his discharge in Atlanta, Ga., on August 31, 1919.

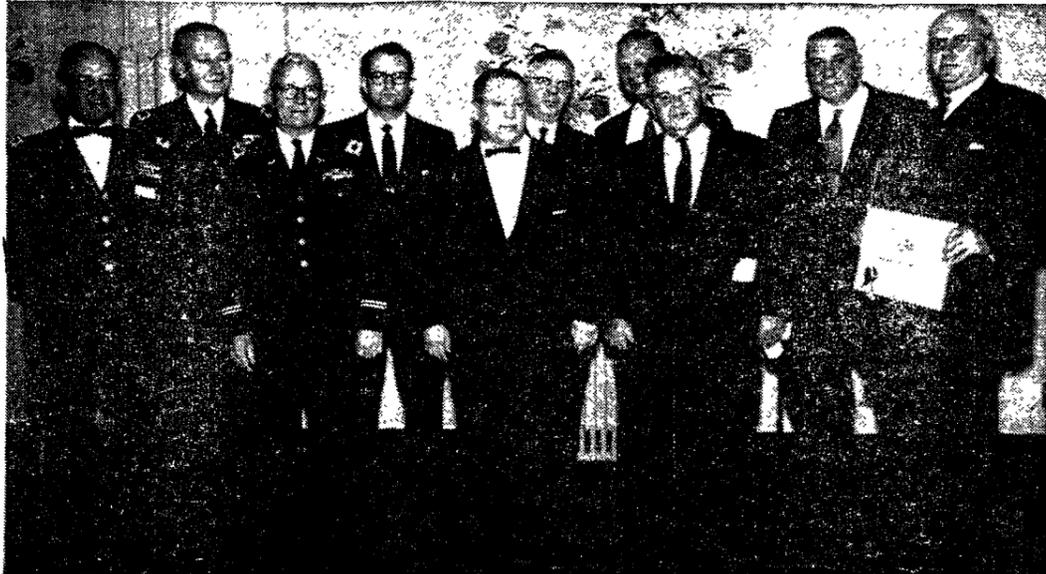
During the next 23 years, Nelson was engaged in farming, mining, and construction. In 1942 he came to Redstone Arsenal as one of three yard-masters with the Arsenal's railroad section. He became chief of the section in 1946 and when Redstone Arsenal and Huntsville Arsenal combined in 1949 he became chief of the combined railroad facilities.

Today the Railroad Section has 82 miles of track in operation with five locomotives, 92 box cars, 27 coal cars, 2 flat cars and 1 tank car. Shipments are sent and received by way of two rail yards, one on the eastern edge of the Arsenal and the second on the western edge. The section serves all elements of the Command as well as three commercial firms who are leasing property on the post.

"We handle between 3,000 and 4,000 cars a month," Nelson stated, indicating the scope of operations. He has 32 employees in his section.

Nelson and his wife reside at Meridianville, Ala. They have two sons, Paul, Jr., an engineering physics graduate of Alabama Polytechnic Institute now serving as an ensign with the U. S. Navy Armed Forces Special Weapons Projects at Albuquerque, N. M., and William Henry, who is attending high school at Hazel Green.

Nelson is a member of the VFW Post No. 2702, Huntsville.



MEDICAL MEETING—Members of the Medical Societies of seven North Alabama counties, together with officials of the Association of Ordnance Industry Physicians, were guests of the Army Ordnance Missile Command last week for orientation tours and conferences. Medical Society members attended from the following counties: Madison, Jackson, Marshall, Morgan, Etowah, Limestone, and Jefferson. Shown above at a joint dinner meeting at Redstone Arsenal are left to right, front row: Col. C. C. Canada, a director of the Association of Ordnance Industry Physicians, from White Sands Missile Range, N. M.; Col. Harry C. McClain, Redstone Arsenal Post Surgeon; Dr. Burton S. Shook, Chief, Medical Staff Occupational Health Service, Redstone Arsenal; Dr. Laurence P. Devlin, Association Secretary, from Frankford Arsenal, Philadelphia, Pa.; and Dr. Frank L. Fisher, Association President-elect, from Kingsburg Ordnance Plant, LaPorte, Ind. Back row: Col. Owen T. McCloskey, Deputy Commander, Redstone Arsenal; Dr. Arthur L. Knight, Association director, from Bausch and Lomb, Rochester, N. Y.; Col. Arthur P. Long, of the Surgeon General's Office, Dept. of Army; and Dr. Allan J. Fleming, Medical Director of E. I. DuPont de Nemours and Co., Wilmington, Del., who was principal speaker at the dinner. In photo above, Dr. Fisher holds certificate of honorary membership in Association which was later presented to Maj. Gen. J. B. Medaris, Commanding General, AOMC.

League Play:

Friday 1300-1600 and 2000-2300

Monday thru Thurs., 1745-2300

GOLF DRIVING AND ARCHERY RANGE OPERATING HOURS

Sun thru Sat., 1300-1830.

POST GYMNASIUM OPERATING HOURS

Monday thru Friday 1030-2130

Saturday 0930-1700

Sun—13-1600.

The Gym will be reserved for ladies of the post Tuesday and Thursday mornings from 0930-1130 hours.

HOLIDAY OPERATING HOURS FOR SPECIAL SERVICES ACTIVITIES:

Activities will be CLOSED on dates shown below:

SERVICE CLUB—Open on all days.

POST LIBRARY — Open on all days.

POST GYMNASIUM — 24, 25, 26, 31 December and 1 January.

RSA BOWLING LANES — 24, 25, 31 December and 1 January.

GOLF DRIVING RANGE — 24, 25, 26, 31 December and 1 January.

POST CRAFTS SHOP — 24 Dec-

Religious Services

POST CHAPEL — Bldg. 3714 PROTESTANT

Sunday — 0945 hours, Sunday School, 1st Session 4th grade through Senior High.

1000 hours — Adult Bible Class in TV Room of Service Club.

1100 hours — Sunday School, 2nd Session — 3 yrs. of age through 3rd grade.

1100 hours — Morning Worship The nursery for babies and small children is open during this service.

December through 6 January*. SPECIAL SERVICES SUPPLY — 25, 26, 27, 28 December and 1 January.

OPERATING HOURS FOR POST CRAFTS SHOP DURING HOLIDAYS:

Sun., 21 Dec. — 1230-1900.

Mon., 22 Dec. — 1000-2200.

Tues., 23 Dec. — 1000-2200.

24 Dec. through 6 Jan.—CLOSED.

7 Jan. 59 — REOPEN on normal operating schedule.

1830 — Christian Youth Fellowship — Jr. High Young People and Senior High

Tuesday — 1630 hours — Junior Choir Rehearsal.

Wednesday — 1845 hours — Chancel Choir rehearsal.

JEWISH — Temple B'Nai Shalom (corner of East Clinton and Lincoln)

Friday — 2000 hours — Regular service. O'Neg Shabbot (Sabbath Social) at Temple Annex following service

Sunday — 0930 hours — Religious School at Temple Annex.

CATHOLIC

Sunday — 0745 and 0845 hours — Mass.

1830 — Youth Religion Class. in Chaplains Office

Tuesday — 1930 hours — Novena in honor of Miraculous Medal.

Saturday — 1000-1130 hours — Christmas Party, 20 Dec.

Confessions — 1400-1600 hours and 1800-1900 hours.

DAILY MASS — 1130 Hours.

CHAPEL NO. 2 — Sunday — 1100 hours — Mass.

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CHARM IS MENTAL ATTITUDE
CHARM IS KNOWLEDGE
CHARM IS GLAMOUR
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SAFETY RECORD — W. E. "Chick" Albright, Safety Director at Redstone Arsenal, receives congratulations above for a record five million accident-free man-hours established here this summer. Presenting him with the letter from OCO is Col. Jay A. Dashe, S-2, Assistant for Safety and Security, Redstone Arsenal.

Post Civilian Personnel Receive Congratulations For Safety Record

Civilian personnel in all agencies located at Redstone Arsenal have recently received congratulations from Office, Chief of Ordnance and the Army Ordnance Missile Command for having worked five million man-hours without a disabling injury.

Those honored include all civilian government employees at Headquarters AOMC, ABMA, ARGMA, RSA, and OGMS.

The five million accident-free man-hours were worked by civilian personnel from July 28 to Oct. 13, 1958. This represents the longest man-hour period ever worked here without disabling injury, according to W. E. Albright, RSA Safety Director.

The letter from OCO is quoted as follows:

"Review of Redstone Arsenal's safety record indicates that civilian personnel of this installation have worked 5,000,000 man-hours without a disabling injury.

"This an unusual safety accomplishment since operations at Redstone include new and untried material, as well as functions normally associated with a large industrial establishment.

"The civilian personnel of Red-

stone Arsenal are congratulated for their outstanding contribution to the installation and Ordnance safety programs. The effectiveness of the civilian personnel safety effort should stimulate all personnel at Redstone to gain the best safety record ever established at this Arsenal."

Col. Reiter Cited For Work in Moving Of Command Hq.

Lt. Col. Nathan I. Reiter, Jr., Chief of the Army Ballistic Missile Agency Operating Services Office, has received an Army Ordnance Missile Command Certificate of Achievement for his "outstanding service in connection with the relocation of Command headquarters." Brig. Gen. J. A. Barclay, ABMA Commander, presented the certificate in a recent ceremony.

The certificate signed by Maj. Gen. J. B. Medaris, AOMC CG, cited Col. Reiter for the "commendable manner" in which he handled procurement and delivery of supplies and equipment for the new headquarters. "His unusual initiative and the exceptional manner in which he accomplished a major achievement set him apart from others of like rank and position," the citation read.

Maj. Fowler Gets Commendation

Maj. Lawrence A. Fowler, Project Officer with the Air Force Jupiter Liaison Office at the Army Ordnance Missile Command recently received an Air Force Commendation Medal from Maj. Gen. J. B. Medaris (left), AOMC Commanding General, for service performed at his previous station, Brookley Air Force Base, Ala. Maj. Fowler was Chief of the Procurement Division for the Mobile Air Materiel Area.

A native of North Hollywood, Calif., Maj. Lawrence attended the University of Southern California, where he studied electrical engineering.

Army Helicopters Set New Record

FORT RUCKER, Ala. — Four cargo helicopters set an Army record during recent tests at the Army Aviation Center here. Two H-21 Shawnees and two H-34 Choctaws logged a total of 4000 hours in the air, the equivalent of 12 years of normal Army service, during an 82-day period.

Flying on a seven-day-a-week schedule with three shifts of pilots during each 24-hour period, they flew an average of 12 hours, 11 minutes daily. Mileage chalked up was equal to 12 trips around the

world.

More than once the four 'choppers flew 44 hours out of 48 with inspections performed during the refueling. At the end of the 48 hours all were back on the 12-hour flight schedule.

Preliminary studies of the tests indicate that the service life of some components may be extended by as much as 250 hours, with considerable monetary savings in the case of expensive parts, and that the flight availability of the aircraft can be vastly increased with the newly-tested maintenance procedures.

UNIVERSITY OF ALABAMA, HUNTSVILLE CENTER

January 2 — WINTER QUARTER 1958-59 — March 20

MONDAY — WEDNESDAY 5:50 - 7:55

Course	Prerequisite	Sem.	Hrs.
AE 91 - Aerodynamics	Physics 5, Math 49		3
Art 11a, 11b, 12a, 12b - Drawing (Mon. 6:00-10:00)	None		1½
Accounting 2 - Principles of Accounting	Accounting 1		3
Biology 2 - General Biology (Animal) (Lab. Thursday 5:50-10:20)	None		4
Biology 81 - History of Biology	8 Hrs. of Biology		2
Chemistry 1 - General Chemistry (Lab. Tues. 5:50-10:20)	Math 11 or 9		4
Chemistry 142 - Physical Chemistry (Less Lab.) (Meets Mon. and Thur.)	Classes begins January 29, 1959		3
Drawing 32 - Engineering Drawing (5:50-10:10)	Physical Chemistry 141		2
English 10 - American Literature	Drawing 31		3
English 75 - English Novel	English 1 & 2		3
History 2 - History of Western Civilization	9 Hrs. of English		3
Home Economics 1X - Management in Home (Wed. only 7:30-9:30)	None		NC
Math 01 - Elementary Algebra (Section 1)	None		NC
Math 9 - College Algebra (Section 1)	None		3
1Math 11* - Introductory College Mathematics (Section 1)	See Footnote		3
Math 15 - Trigonometry (Section 1)	Math 11 or 9		3
Math 25 - Analytic Geometry and Calculus	Math 15		3
Math 51 - Differential and Integral Calculus	Math 49a & 49b		3
Math 73 - Theory of Equations	12 Hrs. of Math		3
Speech 1 - Basic Speech	None		3

MONDAY — WEDNESDAY 7:55 - 10:00

Accounting 3 - Accounting Analysis	Accounting 2		3
Business Law 52 - Introduction to Business Law	Business Law 51		3
Chemistry 2 - General Chemistry (Lab. Thursday 5:50-10:20)	Chemistry 1		4
2Citizenship - (Wed. only beginning Jan. 21)	None		NC
English 03 - Fundamentals of English	None		NC
English 1 - English Composition (Section 1)	None		3
English 2 - English Composition (Section 1)	English 1		3
3English 52 - Fiction Writing (Monday only, to June 10)	Permission of Instructor		4
Management 55 - Human Behavior in Business and Industry	None		3
Marketing 1 - Industries and Commerce	None		3
Math 02 - Plane Geometry	None		NC
Math 95 - Differential Equations	Math 51		3
4ME 2 - Mechanisms	Drawing 31, Physics 5, and Math 49 ⁵		2
MH 81 - Statics	Phys. 5, GES 12, Math 51		3
Physics 5c - Technical Physics (Mechanics) (Lab. Wed. 5:00-8:00)	Math 15		3
Political Science 5 - Introduction to Foreign Government	Political Science 1		3
Psychology 1 - Introduction to Psychology	None		3
Russian Y - Basic Russian (Part 2) (Monday only 8:00-10:00)	Permission of Instructor		NC

TUESDAY — THURSDAY 5:50-7:55

Drawing 31 - Engineering Drawing (5:50-10:10)	None		2
Drawing 42b - Production Illustration (Tues. only 5:50-10:10)	Drawing 42a or permission of Instructor		
Economics 12 - Principles of Economics	Econ. 11		3
English 1 - English Composition (Section 2)	None		3
English 2 - English Composition (Section 2)	English 1		3
English 5 - English Literature	English 1 & 2		3
French 2 - Elementary French	French 1		3
German 2 - Elementary German	German 1		3
History 48 - History of England Since 1660	Sophomore Standing		3
IE 49 - Manufacturing Processes	Sophomore Standing		3
Math 15 - Trigonometry (Section 2)	Math 11 or 9		3
Math 20 - Elementary Mathematical Statistics	Math 11 or 9		3
Math 49a - Differential & Integral Calculus	Math 25		3
6Management 51 - Intro. to Industrial Management	Economics 11 & 12		3
ME 106 - Heat Transfer	ME 51 or ME 102		3
MTE 95 - Light Metals and Their Alloys	Chemistry 2, Physics 6		3
7Physics 72 - Intermediate Mechanics	Integral Calculus		4
Political Science 1 - Principles of American Government	None		3

TUESDAY — THURSDAY 7:55-10:00

Accounting 1 - Principles of Accounting (Five Lab. sessions, Friday 6:00-9:00)	None		3
Accounting 107 - Income Tax Procedure	Accounting 3		Cert. Cr.
EE 91 - Electrical Machinery	Physics 6, Math 49		3
English 6 - English Literature	English 2 & 5		3
French 1 - Elementary French	None		3
GES 12 - Engineering Preview	Math 11 or 9		2
History 22 - History of the U. S. Since 1865	None		3
Math 01 - Elementary Algebra (Section 2)	None		NC
Math 9 - College Algebra (Section 2)	None		3
1Math 11* - Introductory College Mathematics (Section 2)	See footnote		3
Math 49b - Differential & Integral Calculus	Math 49a		2
ME 109 - Thermodynamics	ME 51		3
8MH 94 - Strength of Materials	MH 81, Math 51		4
Physics 6c - Technical Physics (Heat, Light, & Sound (Lab. Monday 5:00-8:00))	Math 15		3
Physics 53 - Atomic and Nuclear Physics	Physics 1 & 2 or 5 & 6		3
Psychology 7 - Psychology of Adjustment	Psychology 1 or 3		3

1Math 11* is a new course required by the Engineering College. Prerequisites are Math 11 as taught previously at the Huntsville Center or 3 units of high school mathematics including two years of algebra and a score of 24 or higher on the mathematics entrance examination. Math II as taught previously is henceforth Math 9.

2For foreign born who wish to prepare for American citizenship examinations. This course is offered free to qualified persons.

3Extra sessions required.

4Extra sessions required.

5Math 49 may be taken concurrently with ME 2.

6Engineering students may substitute Management 51 for IE 51.

7Extra problem sessions required.

8Extra sessions required.

The entrance examinations for persons wishing to take beginning college courses in English or mathematics are being held January 3, 1959 at 6:00 and 8:00 P.M.

New students wishing to enroll must take these tests on the date indicated.

New students wishing to enroll at the Center should come in before Christmas for counseling and to file applications.

Center offices will be closed December 22 through January 1.

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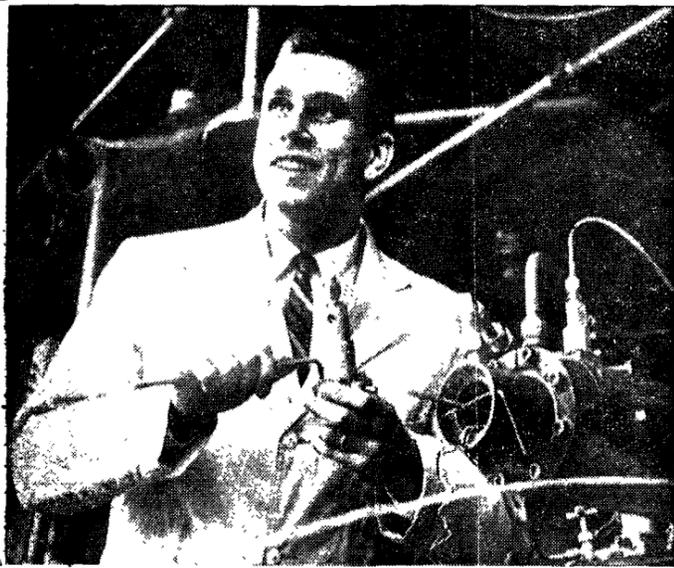
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YOUNG ROCKET SCIENTIST HONORED BY INDUSTRY—Frederick R. Reardon, 26-year-old candidate for doctorate degree at Forrestal Research Center, Princeton University, adjusts a part of fuel control system he designed. This achievement and a brilliant scholastic record helped win for him the first annual Thiokol American Rocket Society achievement Award for Advanced Study in Rocket Science. Reardon received his award—a medal and \$1000 scholarship—in New York City recently at the "Honors Night Dinner" of the American Rocket Society.

* * *

* * *

Thiokol-Rocket Society Science Award Goes to Princeton Grad Student

NEW YORK, N. Y.—Frederick R. Reardon of Philadelphia, Pa., 26-year old graduate student of rocket science at the Forrestal Research Center, Princeton University, has been named winner of the first annual Thiokol-ARS Achievement Award for Advanced Study in Rocket Science. The announcement was made jointly by the sponsors, the Thiokol Chemical Corporation and the American Rocket Society (ARS), who established the award to materially assist gifted university students to pursue advanced study in rocket science.

Reardon received his award—a gold medal and \$1,000 scholarship—at the ARS "Honors Night" dinner in New York's Statler-Hotel. In naming young Reardon, the Awards Committee cited him "for his advanced work in liquid propulsion rocket motors, during which he developed a unique fuel control system which has become a standard tool of great importance to the industry."

Prior to his coming to Princeton two years ago, Reardon received B. S. and M. S. degrees in Mechanical Engineering from

the University of Pa., where he maintained a brilliant scholarship record. Despite the heavy demands of his current intensive research and study program, who with crew cut and ear-to-ear smile looks more the fun-loving sophomore than an egghead, still manages to find time for his favorite "temptations"—tennis, golf, abstract painting, the piano and the organ and his wife, Dorothy, a teacher of biology.

"Personally, the timing of this award couldn't be better," enthuses Reardon. "The scholarship money means I will be able to devote more hours to the study program I have had to curtail in order to earn money as a part-time research assistant. Besides, in a few months I expect to be a father for the first time."

Reardon now expects his doctorate degree in June 1960, following which he plans to teach university level science and engineering with emphasis on rocket propulsion systems. "Although I am aware that men with such training as mine are in great demand by the industry," Reardon explains, "I feel there is an even greater need for teachers."

When Joseph Crosby, president of Thiokol, one of the leading manufacturers of rockets and missiles, heard of Reardon's plans he applauded his decision. Said rocket builder Crosby: "Our

Two actors were crying over their lack of funds.

"Gosh," said the first, "things are so tough I can't even get my hands on stage money."

industry's need for trained engineers today must be tempered by the greater demands of tomorrow. Our prime concern must always be the continued advancement of the state of the art. To this end we must look to the thousands of science-minded young people who are about to enter our universities. We must help encourage and materially assist those who seek and are qualified for advanced studies. But first, we must have qualified, dedicated teachers who can train and inspire them."

Asked recently whether he took inspiration from such space exploration projects as the moon probes, Reardon commented matter of factly: "Only in that it proves what scientists already knew could be done. The scientist must learn early to be satisfied with much less dramatic evidence of progress. His greatest asset will always be patience, a willingness to conduct experiment upon experiment for weeks and months and yet to be satisfied with nothing more than a good set of curves."



SCOUT AWARDS—Brig. Gen. J. M. Colby (left), Deputy Commanding General, AOMC, presents Space Commander's recruiting awards to Kenneth Davis, Ronnie French, Tommy Dodd and David Faulkner at the Rocket Auditorium during a visit of over 800 Boy Scouts and Scout leaders to ABMA recently. The tour included a visit to the Fabrication Laboratory and the Systems Support & Equipment Laboratory. The Scouts also witnessed a static firing at the Test Laboratory area.

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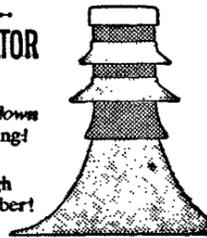


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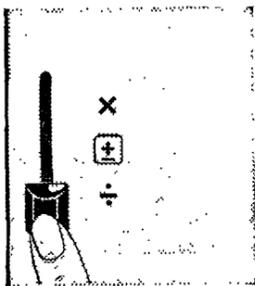
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FOR SALE — Homes built to your plans and specification in Arab, and Guntersville, 1% down up to \$13,500, for qualified veterans in restricted subdivision. Contact Cornelius Real Estate Company, Guntersville, Ala., phone JUstice 2-3027. 1-16-59

FOR SALE — Blonde bedroom suite consisting of bookcase bed, double dresser, chest of drawers. Good condition. Redstone Ext. 3408. Evening JE 6-2333. 1tp

FOR RENT — Three room furnished apartment with private bath near Five Points. Call JE 4-4410. 1tp

FOR SALE — 1957 Champion House Trailer 8x42 feet, two bedrooms. Pay equity and take up payments or can be refinanced. Call Ext. 5648. 1tp

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NOTICE — Due to unanimous request of our customers, we are changing our Auction Sales day from Friday to Thursday. Our final sale for 1958 will be held at 6:30 p.m., Thursday, December 18. We will resume sales on Thursday, January 8th, 1959. 1tc

LADIES and men's Elgin and Bulova watches for less than ½-price. Phone JE 6-9333. 1tc



ROCKET PIN-UP—Posing prettily in photo above is Virginia Moring, Rocket Pin-up for this week. A native of Huntsville, Virginia works in the Financial Management Office, Budget Branch, Army Ballistic Missile Agency (Bl. 4488.)

Post Library

ANNA L. FARRAR, Librarian

Whether you are eight or 80, you should learn something new every day of your life. Instead of just drifting, why not educate yourself continuously by selecting good books from your Post Library?

Here are some of the new books on the shelves:

Vicki Baum, "Theme for Ballet."

Agnes Boulton, "Part of a Long Story."

Robert Broderick, "Historic Churches of the United States."

Louise Bush-Brown, "America's Garden Book."

Erwin Canham, "New Frontiers for Freedom."

Joyce Cary, "Art and Reality."

Elizabeth Corbett, "The President's Wife."

George Corner, "Anatomist at Large."

William Cowper, "Selected Letters."

Martin Dibner, "Showcase."

William DuBois, "The Falcon's Shadow."

Alfred Duggan, "Three's Company."

George English, "Getting Acquainted with Minerals."

Claude Forde, "Mrs. O."

Rose Franken, "The Antic Years."

Samy Fraschery, "Pledge of Honor."

Richard Frede, "Entry E."

John Gassner, "Best American Plays, 1951-57."

Thomas Gray, "Selected Letters."

Peter Green, "The Sword of Pleasure."

Florence Hightower, "The Ghost of Follonsbee's Folly"

John Hooper, "Modern Furniture and Fittings."

Theodore Hoover, "The Engineering Profession."

Israel Horowitz, "Chess Traps, Pitfalls and Swindles."

Hamilton Johnston, "Doctor's Orders."

Mildred Jordan, "Echo of a Flute."

Hilda Krech, "The Other Side of the Day."

Janet Lambert, "Big Deal." (Juvenile)

Eleanor Lattimore, "Fair Play." (Juvenile)

Robert Lockhart, "Your England."

Patrick Mahony, "Barbed Wit & Malicious Humor."

Andre Maurois, "September Roses."

Charles Mergendahl, "The Bramble Bush."

Aime Michel, "Flying Saucers and the Straight-line Mystery."

Jules Michelet, "Satanism and Witchcraft."

Hope Newell, "Mary Ellis, Student Nurse." (Juvenile)

Linus Pauling, "No More War."

Vladimir Petrov, "Empire of Fear."

Lulita Prichett, "The Cabine at Medicine Springs." (Juvenile)

James Reynolds, "More Ghosts in Irish Houses."

James Reynolds, "Pageant of Italy."

James Reynolds, "Panorama of Austria."

Robert Speaight, "Nature in Shakespearian Tragedy."

Louis Stanley, "The London Season."

James Stephens, "Collected Poems."

China Thompson, "S'arrbelow."

Dale Van Every, "Our Country Then."

Alpheus Verrill, "Minerals, Metals and Gems."

Victor Von Hagen, "Highway of the Sun."

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UNDER CIVIL SERVICE RETIREMENT SYSTEM, U. S. MAKES 4 PROMISES

BY ANDREW E. RUDDOCK

Chief, Retirement Division U. S. Civil Service Commission

Through the Civil Service Retirement System, the Federal Government makes four very important promises to its employees. In addition, through tradition, the Government has implied a fifth promise — that you will not be forgotten after retirement.

The first promise is given the young man or woman just out of high school, or college, that after at least 5 years of Federal civilian employment his payroll deductions and Government contributions will provide a part of retirement income in later life. Of course, this retirement award for 5 years' service is not intended to provide a living in itself. However, most other systems make no award at all for such a short period of service.

If the young employee decides that his is to a full and rewarding Government career, his retirement income will be complete and adequate. This is the second promise the Government makes to its worker — that after a full career he can retire in comfort and dignity at a standard of living to compare favorably with that he enjoyed as a Government employee.

For example, after he completes 27 years of service, his basic retirement annuity will be at least half of his annual pay, based on the average of his high-five-year earnings. If he works for 30 years, his retirement will be 56% of his high-five-year average pay. After 35 years' service, his annuity will be at least 66% of his five-year average. And should he con-

tinue to work for 41 years and 11 months or longer, his Government will pay him 80% of his five-year salary average.

If disability interrupts the Federal employee's career, the third promise from his Government is that he will receive a guaranteed income until after he recovers or regains his earning capacity, provided he has been employed at least 5 years. This annuity will be the lesser of (1) 40 percent of his high five-year average salary, or

(2) an annuity computed as though he had worked until age 60. Of course, if the employee has earned a larger annuity than the guaranteed minimum, he would receive his earned annuity. Too, if the employee who becomes disabled is already age 60, the normal retirement age, his disability annuity would be the amount he would have received had he retired with out disability. No disability annuity is terminated if an employee recovers or regains his earning capacity after reaching age 60.

The fourth promise is made as much to dependents as to the employee. It provides for an annuity to survivors after the death of an employee or retiree. Should an

employee die after 5 years of service, the retirement system will provide an income for his family. The widow of an employee receives 50 percent of the annuity to which her husband would have been entitled, and this is paid immediately upon his death, with no age requirement to be met by the widow. Upon retirement, an employee may elect to provide an annuity for his surviving spouse. This will reduce his retirement check slightly, but the potential benefits to the survivor greatly outweigh this very slight cost. Additional benefits are automatically provided by law for dependent children of deceased employees and retirees.

Although the above four promises are contained in present laws, there is a fifth implied promise not provided by law. Over the years the Government, by making 9 adjustments since 1920 to bring annuities paid closer in line with advances in the cost of living, has shown the employee that he is not forgotten after he retires.

The concern of Uncle Sam for his employees, from recruitment to retirement and beyond, through the retirement system is integral to the progressive personnel program of the Federal Government. And the career employee finds that his promised retirement benefits continue to be worth far more than they cost him.

Maj. Parker Is Top Toastmaster Speaker

Maj. "Bud" Parker was voted best speaker at the Redstone Toastmasters meeting of Dec. 9th. Other speakers on the program were "Mac" MacDermott, Thurman Burns, and Lt. Spero Drake.

Lt. Drake also served as Tablic Topic Master, presenting a fast, pace-changing program. Walt Slay was Toastmaster for the evening.

Bob Smith served as General Evaluator, Norm Hedges as Parliamentarian, and the "Ah-Counters" were Tom Stramiello and Ernest Williams. Presiding officer was Walt Barney.

The program was highlighted by the induction of Al Ginzburg into active membership by Bob Smith. Plans were finalized for the forthcoming annual Christmas Party to be held Dec. 18th.

The Redstone Toastmasters Club, a non-profit club established for the purpose of self-improvement in public speaking, still has a few vacancies. Anyone interested is invited to telephone the club president, Maj. Jack Caryi, at ext. 5143.



HOOP HOOP-HOORAY! — Shapely singer Lyda Fairbank, one of the top performers on the night-club circuit, was recently named The Girl With the Built-in Hula Hoop by "Toys and

A young housewife was telling her neighbor about the new dress on reducing she had just bought for \$5.

"How much have you lost so far," the neighbor asked.

"Just," teased the housewife, "my five dollars."



heigh ho, IT'S CHRISTMAS SHOPPING WE GO...

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