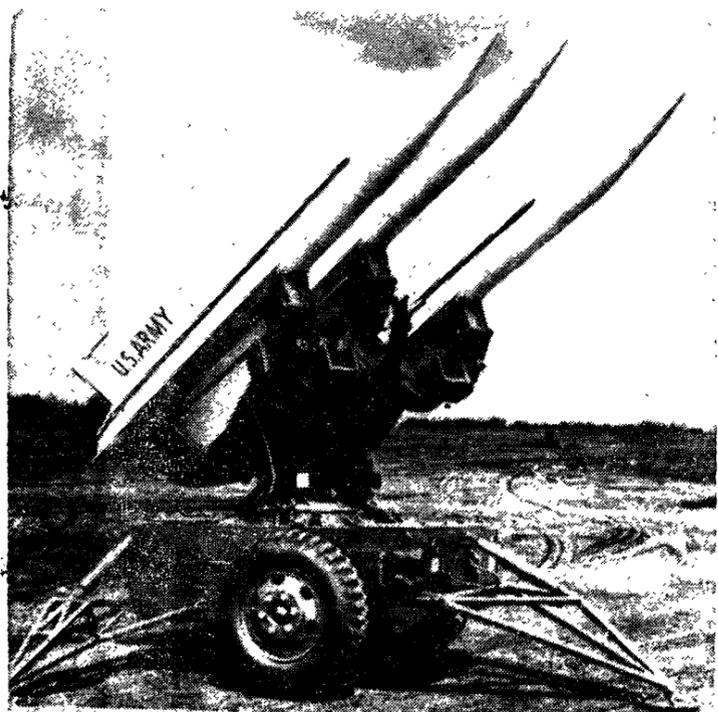


The Redstone Rocket

VOL. VI; NO. 7

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

JUNE 12, 1957



TRIPLE FIREPOWER FOR THE HAWK — The Army's newest air defense missile, the Hawk, is shown on its unique triple launcher, capable of firing three of the deadly weapons in rapid sequence at low-altitude attacking aircraft. The highly mobile, truck-towed launcher can be transported easily by land, sea, or air. The Hawk system will complement the defense against high-level air attack already provided by the Army's Nike-Ajax and Nike-Hercules missiles. Central direction and responsibility for the development of the Hawk — as for numerous other missile systems — is carried out by Redstone Arsenal.

\$4.7 Million OGMS Construction Set

New construction totaling \$4,700,000 has recently been approved for the Ordnance Guided Missile School. Apparent low bids for the work were opened by the Army Engineers at Mobile last week.

Blount Brothers Construction Co., Montgomery, was apparent low bidder at an opening covering construction of two shop training buildings and boiler and compressor houses. The government estimate was \$1,525,603. Batson-Cook Co., West Point, (See \$4.7 MILLION on Page 2)

LITTLE JOHN ROCKET TRAINING FOR KEY PERSONNEL STARTS HERE



HEADS NEW OFFICE— William H. Fortenberry has been named chief of Redstone Arsenal's new Automatic Data Processing Systems Office. He was formerly assistant to the Comptroller and later chief of Mission Management Engineering Branch, Management Division. The ADPS Office will develop an Arsenal-wide program for the use of electronic computers on Arsenal paperwork processes.

AUTOMATIC DATA PROCESSING UNIT IS ESTABLISHED

An Automatic Data Processing Systems Office has recently been established at Redstone Arsenal. (See DATA on Page 3)

Little John interim training recently began at Redstone Arsenal for key personnel from 10 installations. This is the first class to study Little John.

The course is under the direction of the Training Branch of the Research and Development Division, Ordnance Missile Laboratories.

Classroom work and actual assembly and disassembly are taught in the one-week courses. The course is scheduled to start on June 17.

In charge of the program is Robert Roper, rocket training project officer, working with Curtis Williams, chief of the National Missions Technical Training Branch.

The welcome address at the first meeting of the class was delivered by Col. Thomas J. Raber, deputy director of OML.

Approximately 20 students will be in each class. In turn, they will teach the men who handle these missiles at their respective installations.

Represented in the first class are the Third and Fourth Armies, the U. S. Ordnance School (Aberdeen Md.), the Ordnance Ammunition Command, Ill.; Indian Head, Md.; White Sands Proving Ground, N. Mex.; Aberdeen Proving Ground, Md.; Tooele Ordnance Depot, Utah; Savannah Ordnance Depot, Ill.; and Blue Grass Ordnance Depot, Ky. Several divisions at Redstone Arsenal are included among the representatives in the class.

Classroom work includes orientation in rocket parts, systems, and warheads. The classes receive Ordnance orientation, study the Ordnance support plan, and maintenance allocation charts, and become familiar with publicat concerning the Little (See JOURNAL on Page 2)

Hawk Missile Unveiled

NEW AIR DEFENSE WEAPON BARED

Boosts Low-Altitude Aerial Protection

The successful development of a versatile air defense missile system designed to reinforce the low-altitude capability of the nation's air defenses was announced yesterday by the Department of the Army.

Designated the Hawk, the new air defense weapon system will carry a lethal modern warhead and will be capable of destroying attackers flying at even the lowest altitudes at ranges insuring effective protection of defended areas. It will complement the defense against high-level air attack already provided by the Army's Nike system.

Central direction and responsibility for development of the Hawk—as for numerous other Army missile systems—was carried out by Redstone Arsenal.

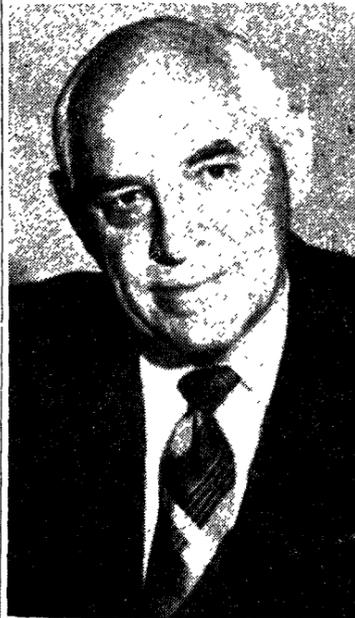
The development program of the Hawk is included in the Arsenal's Research and Development Division mission. All of the Army's missile development programs—except for the Jupiter, Redstone, and other Army Ballistic Missile Agency developments—come under cognizance of this organization, which is headed by Col. Miles B. Chatfield.

The Hawk development program is managed directly by the Projects Management Staff of this division, under the direction of Dr. Martin Schilling.

Redstone personnel who have worked with the Hawk development include: Edward L. Smock, project director; J. D. Kirkland, Jr., deputy director; W. A. Davis, Jr., C. G. Morgan, and T. J. Stramiello, project engineers; Maj. T. F. McGraw, Marine Corps liaison officer; and H. F. Vincent, chief of the Surface-to-Air Missile Branch.

The system is capable of operating both in the continental United States air defense complex at fixed installations and with fast-moving combat troops of the field Army. It may be transported on the highway using a minimum of vehicles, by helicopter, and by aircraft. Hawk in its mobile role also will be adopted by the U. S. Marine Corps.

At the same time, the Army said site selection actions for the emplacement of the new weapons (See NEW AIR on Page 2)



FRANK H. HIGGINS To Speak Tonight



LT. GEN. E. L. CUMMINGS Attending Meeting

AOA Conference Is On

The guided missile branch of the American Ordnance Association opened a three-day conference at Redstone Arsenal yesterday afternoon. Approximately 150 representatives of the three services, Department of Defense, and private industry were slated to attend.

The conferees will get a view of the Army's rocket and guided missile programs this afternoon and tomorrow during tours of the Redstone Arsenal, Ordnance Guided Missile School, and the Army Ballistic Missile Agency.

On Redstone Rocket Ranges this afternoon they will see several of the Army's smaller rocket devices tested in a classified demonstration.

Later in the afternoon they will

travel to OGMS to witness the dedication of a building to the late Brig. Gen. Thomas K. Vincent, who commanded Redstone for two years until his retirement in 1954. They will also see a display of nearly a dozen major Army rockets and missiles, including the Hawk and Talos. Col. Henry S. Newhall, OGMS commandant, will speak at the dedication.

An ABMA tour on the agenda for Thursday morning will include visits to the Fabrication Lab and test area.

Prominent among those in attendance are Hon. Frank H. Higgins, Assistant Secretary of the Army, who will speak at a banquet at the Officers Club tonight, and Lt. Gen. E. L. Cummings, Chief of Ordnance.

630th Ordnance Co. Activated at ABMA

Activation of the 630th Ordnance Company (Redstone) and its assignment to the Army Ballistic Missile Agency here was announced last week by the Agency's commander, Maj. Gen. J. B.

Medaris. It is the first Ordnance Corps company organized for the specific purpose of providing supply and maintenance for the Redstone Ballistic Missile System in the field.

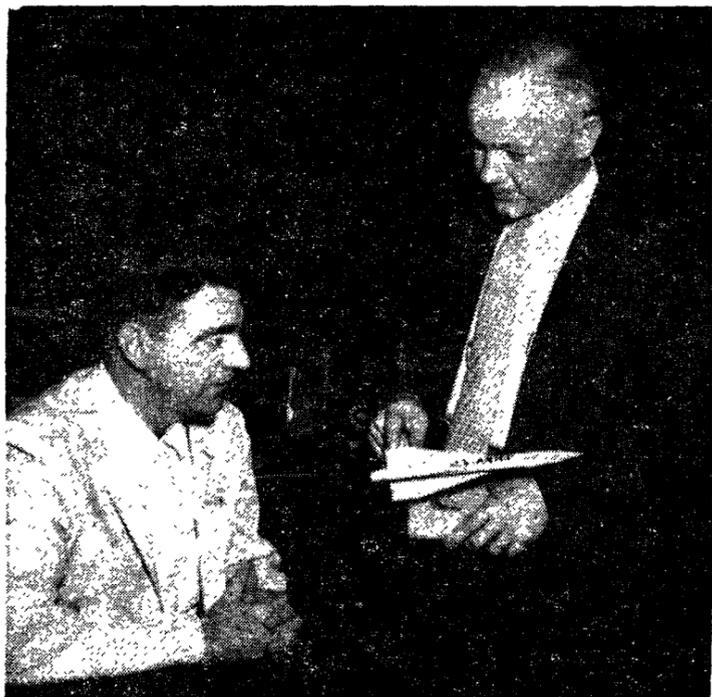
The new company supports the 217th Field Artillery Missile Battalion (Redstone) which was the first Army unit formed to handle the giant missile. The 630th will be organic to a new type Field Artillery Missile Group.

Its support mission includes responsibility for the supply and maintenance of warheads, fuels, the missile, and other items of the missile system.

The 630th also supports the training program for the Redstone missile conducted by the Ordnance Guided Missile School. It is responsible for development of Ordnance unit checkout procedures for means of missile equipment and ground launching equipment in collaboration with the Agency's Launching and Handling Laboratory.

Capt. R. B. Payne, who commands the new company, said it succeeds the 78th Ordnance Detachment, now inactivated, which was established Oct. 15, 1955. Lt. Chester Langley of the Agency's Support Operations Division commanded the 78th until the assignment of Capt. Payne Oct. 10, 1956.

Transferred to the company from the 78th were the following original members: CWO H. E. Pierce, CWO A. D. Makowski, WO C. L. Hendrix, M-Sgt. J. E. Langley, the first sergeant; M-Sgt. J. H. Disharoon, Sgt. 1-c A. B. Car- (See 630TH on Page 2)



MISSILE ENGINEERS WITH HAWK MODEL — Shown inspecting a tiny model of the Army's newest air defense missile, the Hawk, are two Redstone Arsenal engineers who worked closely with the weapon's development, Edward L. Smock (left), project engineer, and H. F. Vincent, chief of the Surface-to-Air Missile Branch at Redstone.

The Redstone Rocket

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

The Rocket is NOT an official or semi-official Army or Ordnance Corps publication. Policies and statements reflected in the news and editorial columns represent the views of the individual writers and are not necessarily those of the Department of the Army, the Ordnance Corps, or Redstone Arsenal. Appearance of advertisements in the Rocket does not constitute an endorsement of the advertising matter by the Department of the Army, the Ordnance Corps, or Redstone Arsenal.

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\$4.7 MILLION

(Continued From Page 1)
Ga., was second apparent low on the total project with an offer of \$1,637,500.

The project was broken down into a base bid for construction of one shop building, plus seven additive alternate bids. Acceptance of additive alternate bids depends on availability of funds. Blount filed an apparent low base bid of \$671,000 compared with a Batson-Cook offer of \$702,500 and a government estimate of \$633,926.

Blount's apparent bid on the first alternate, for construction of the second shop building, was \$647,000. The government estimate was \$633,367.

Blount was apparent low with a base bid of \$2,380,370 for construction of three class and laboratory buildings. Each will have two stories and a floor area of about 24,160 square feet.

The government estimate was \$2,637,606.

Three added alternates were included in the project. They called for installation of motor generator sets in two of the buildings and hydraulic installation of motor generator sets in two of the buildings and hydraulic lift elevators in all three. Blount filed bids totaling \$104,299 on the alternate work. The government figure was \$121,900.

J. A. Jones Construction Co., Atlanta, entered an apparent low base bid of \$727,881 for site work and construction of outside utility systems. The government estimate was \$827,363.

Blount Brothers was second apparent low with a \$779,675 offer, and was apparent low at \$83,845 for an added alternate on the project. Jones bid \$107,805 on the added work, which involves furnishing and installing a 250,000-gallon steel water storage tank for a water reservoir. The government estimate was \$126,258.

NEW AIR

(Continued From Page 1)
already have been initiated in the New York City and Washington-Baltimore areas. While the land requirements for each individual site is relatively small, positioning of the site is comparatively rigid. Only the absolute minimum of land necessary to emplace, operate, and administer the weapon system and to afford safety protection is to be acquired. Each battery will require approximately 40 acres for emplacement. To reduce land-holding requirements to a minimum and in the interest of safety, underground storage of the missile is planned.

Raytheon Manufacturing Company of Massachusetts is the prime contractor under Army Ordnance for the development of the entire weapon system, with Northrop Aircraft of California as the major sub-contractor. The missile, using a solid fuel engine developed by Thiokol Chemical Corporation at Redstone Arsenal, is approximately 17 feet long and 14 inches in diameter.

The Hawk system uses guidance techniques which are unusually successful in hunting down and destroying the attacker. Radars of unique design are highly effective in detecting and tracking the low-flyers in the blind zone of conventional radars.

The production contract for the Hawk has been awarded to Raytheon. Research and development missiles are now in pilot production at the company's Andover, Mass., plant where full production will be started shortly.

630TH

(Continued From Page 1)
ter, Sgt. 1-c E. L. Gedling, Sgts. J. T. Curran, J. W. Ingram, B. V. Parino, H. L. Truitt, W. L. Willis and R. W. Schooley, Spec. 3d D. A. Howell and Spec. 3d B. W. Peipelman.

"During the time since activation of the 78th," Capt. Payne explained, "we have built up fundamental information and acquired experience with missile and ground equipment which will be valuable in formulating field procedures."

Capt. Payne has been stationed at Redstone Arsenal since Jan., 1955. He was transferred to ABMA when the Agency was activated Feb. 1, 1956.

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SPEAK AT CONFERENCE — (Left to right) C. W. Huskins, Dana Milburn and Samuel Zeman from the Rocket Development Laboratories presented papers at the Joint Army-Navy-Air Force conference in Chicago last week under the auspices of the Solid Propellants Agency. This was the 13th conference for the group which met at Redstone Arsenal two years ago. (Photo by Bill Kellar)

Three Redstone Men Present Papers at Chicago Symposium

Three men from the Rocket Development Laboratories of Redstone's Ordnance Missile Laboratories presented papers at the three-day symposium of the 13th Joint Army-Navy-Air Force Solid Propellants Agency meeting in Chicago June 3-6.

They were C. W. Huskins who talked about the use of ammonium nitrate as a cheap oxidizer for solid propellants; Dana Milburn, who discussed blast effects and exhaust streams of solid fuels; and Samuel Zeman, who discussed ignition of rockets.

Before coming to Redstone Arsenal, where he is chief of the exploratory section, Huskins was with the Department of Agriculture at Winter Haven, Fla. He studied a Davidson College and the University of Florida where he earned his master's degree in chemistry.

Milburn joined the staff at the Rocket Development Laboratories following a job at Keesler Air Force Base. He took his degree at Indiana University and has been here for about five years.

LITTLE JOHN

(Continued From Page 1)
John. Much of the instruction on the airborne operations of Little John is through the use of movies.

Maj. Parker Speaks To Navy Reservists

Maj. Marvin D. Parker, deputy chief of the Research and Curriculum Division of the Ordnance Guided Missile School, was featured speaker at the Huntsville Naval Reserve drill last week. He spoke on the role and mission of the Armed Forces Reserves, with particular emphasis on naval reservists.

Maj. Parker is a former naval officer who saw active service during World War II and the Korean conflict. He resigned from the Navy in October, 1954, to enter the Army's Ordnance Corps. He said that according to the Joint Chiefs of Staff, the Navy's primary role in any possible future war would probably be anti-submarine warfare. As a surface division, the Huntsville reserve unit is training along this line.

He pointed out that just as the community and employers have a responsibility to support and encourage participation in the armed forces reserve, each individual reservist has a responsibility to the community and country to take full advantage of the training program offered. He stressed the importance of a well-trained military reserve in case all-out mobilization becomes necessary.

According to Maj. Parker, the primary mission of the regular armed forces is to deter and stop aggression everywhere in the world just by their presence, and the reserve components are necessary to back them up.

Maj. Parker's primary duties as a Naval Officer were as combat information center officer for aircraft Carrier Division 25 under Rear Adm. C. A. F. Sprague in the Pacific theater during World War II, and duty in the same capacity aboard the aircraft carrier USS Bon Homme Richard during the Korean action. While serving with the Navy, he became a naval aviation observer in Anti-submarine Squadron 25 at San Diego, Calif., in 1952, and is still entitled to wear his Navy aviator's wings. He is a graduate of Colorado A & M college with a degree in forestry.

His present position is chief of the physics branch in the laboratory. Zeman is chief of the inorganic chemistry section. He studied at the University of Illinois and was first assigned at Redstone Arsenal as a soldier. When his term of enlistment expired, he stayed on in the same laboratory as a civilian.

JANAF is making its headquarters at the Congress Hotel in Chicago. Last year they met in Washington, D. C., and the year before here at Redstone Arsenal.

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Miss Marta Medaris Becomes Wife Of Capt. Woody in Ceremony Here

The new Post Chapel of Redstone Arsenal was the setting Saturday for the wedding of Miss Marta Virginia Medaris, daughter of Maj. Gen. and Mrs. J. B. Medaris, USA, to Capt. Charles Kenyon Woody, son of Col. and Mrs. Kenyon Woody, USAF, of El Paso, Texas.

Chaplain (Maj.) James H. Grey officiated at the Protestant service. It was the first sacrament celebrated in the Chapel which will be formally dedicated in July.

Mrs. Carolyn Beal, wife of Lt. Bruce T. Beal of 303 Longwood Court, was matron of honor. Lt. Henry F. Magill, aide to Gen. Medaris, was best man.

The ushers were Capt. Rutledge P. Hazzard, Lt. Horace W. Tousley, Lt. Ivan R. Prince, Lt. Bruce Kennedy, all of the Army Ballistic Missile Agency; Lt. Alden L. Cox of Redstone Arsenal; an Cadet John Bruce Medaris, U. S. Military Academy, brother of the bride.

The new chapel was filled to capacity. A reception for 250 invited guests was held immediately after the late afternoon ceremony in the Redstone Arsenal Officers Club.

The bride's gown was chantilly lace bodice over white satin with portrait neckline. Her floor-length white satin skirt had a chapel train. She wore a Chantilly lace cap, embroidered with seed pearls, and fingertip silk illusion veil. She carried a bouquet of cymbidia, stephanotis, and baby's breath.

The honor attendant wore white silk organza over pale green taffeta, floor-length, and a white lace straw picture hat. She carried majestic daisies and baby's breath.

The bride's mother was attired in pale green organza and the bridegroom's mother chose pale blue. Their corsages were white cymbidia.

Capt. and Mrs. Woody left for a honeymoon in Mexico. The bride's going-away dress was a brown and white linen sheath with brown shoulder cape and tangerine accessories.

The bride attended schools in Cincinnati, O., and the American High School, Buenos Aires, Argentina while her father was chief of the first U. S. Army Mission to that country. She was graduated from the Washington, D. C., School of Secretaries in 1953 and the Capital City School of Nursing in October, 1956. She was a member of the nursing staff at Redstone's Post Hospital.



Mrs. Charles Kenyon Woody

Capt. Woody is a native of McKeesport, Pa. His parents now maintain their permanent residence in Albuquerque, N.M. Capt. Woody was graduated from Virginia Polytechnic Institute in 1951 and received a direct commission in the Regular Army. He served in Korea with the 25th Division and is now a project officer in the Missile Agency.

He received a master's degree in mechanical engineering from the University of Southern California in 1956. He is a member of three honorary fraternities: Phi Kappa Phi, scholastic; Tau Beta Pi and Pi Tau Sigma, engineering.

Gen. Medaris has commanded the Army Ballistic Missile Agency since its activation Feb. 1, 1956. Prior to his present assignment he was Assistant Chief of Ordnance.

Col. Woody is director of personnel at Biggs Air Force Base in El Paso.

Installation of New Leaders Scheduled By Officers Wives

The Officers Wives Club will hold its regular monthly meeting June 18 from 2 to 4 at the Officers Club. The installation of new officers will be at 2:30. Members are invited to bring guests.

Reservations must be made or cancelled by noon Monday, June 17. For reservations call Mrs. Waugh, JE 2-8043. For nursery reservations call Mrs. Hazzard, JE 4-6307, or Mrs. Weiss, JE 6-3966.

Service Club Schedule

Crafts Shop Operating Hours:
Monday thru Friday 1730-2200.
Closed Tuesday and Wednesday
Saturdays and Holidays 0800-1630.
Sunday 1300-1900.

Swimming Pool Operating Hours:
Monday through Saturday 1000-2000.
Sunday 1200-2000.

Even days of the month are reserved for officers, their dependents, and guests. Odd days of the month are reserved for enlisted men, their dependents, and guests.

DATA

(Continued From Page 1)

It is a staff element reporting directly to the commanding general and will develop an Arsenal-wide program for the use of electronic computers on Arsenal paperwork processes.

The automatic data processing and electrical accounting machine coordination functions have been transferred from the Comptroller, Management Division, to the new ADPS Office in Bldg. A-140. This building is located across the road from the Post Engineer carpenter shop.

William H. Fortenberry, formerly assistant to the Comptroller, and later chief of the Mission Management Engineering Branch, Management Division, has been named chief of the ADPS Office.

Other members of the staff are William C. Dunlap, Chester A. Macomber, Dean W. Popkins, William B. Yeager, and Eva B. Plude.

Following a feasibility study months will be required to train

recently conducted by an Arsenal study group, it was decided that the Arsenal could do a better and faster job of processing routine paperwork operations by using available computer time in the Computation Laboratory at ABMA.

The ABMA computer to be used is the IBM 704. The laboratory presently has some computer time available for immediate Arsenal use. It will be scheduled on a daily basis for the arsenal.

The Field Service Division will be given top priority for use of the computer. Initial emphasis will also be given the Ordnance Command Management system.

This computer is designed primarily for scientific work, but can be used for paperwork processing activities. Although it is possible to work manuscripts and correspondence files on the machine, it is not considered feasible. However, much time and labor can be saved by such organizations as Consolidated Supply, Command Management, Field Service, and Field Maintenance in making up their numerical reports.

"Redstone Arsenal is expecting to pioneer with the development of paperwork processing on this particular type machine," Fortenberry said.

The arsenal program for conversion to computers will last for several years and will require new employe skills and new approaches to data processing methods. A training program is being planned to prepare personnel who will participate in the program to plan and convert division processes to the computer.

Fortenberry explained the operation of the electronic computers as follows:

"Information in master files made up of documents or punched card files are converted to high speed magnetic tape. As transactions occur daily concerning the master files, they are converted to tape and fed into the computer. The computer internally updates the master file, prints out completed reports or converts the updated information to punch cards.

"The computer can make logical decisions at the rate of several thousand per second. It operates at fantastic speeds on data which is fed into it. Prior to entering data into the computer, analyst personnel devise program routines which tell the machine what operations to perform."

Fortenberry added that the new machine can take much of the drudgery out of routine clerical work and that personnel can learn new skills for job enlargement.

"It is anticipated that several



MRS. DORRA TEST, secretary to Col. C. G. Patterson, chief of the Department of the Army Staff. ABMA has resigned her position. Mrs. Test has been on the staff at this installation since March 1950. Replacing her is Mrs. Wanda Reid.

Toastmasters Clubs Hold Joint Meeting

Toastmasters Clubs in the Huntsville area held a joint meeting on June 4 at the Charron Restaurant. The clubs are: Redstone Toastmasters Club No. 1932, Huntsville Toastmasters Club No. 1972, and Mason-Dixon Toastmasters Club No. 2186.

The joint meeting featured two speakers from each club presenting impromptu speeches on subjects assigned to them at the beginning of the meeting. Capt. Rudy Nottrodt was awarded the cup for the best speech of the evening on a description of an exciting sports event, a hockey match.

Web Mayfield presided at the joint meeting and Jim Keat was topic master. Other speakers of the evening were John Aberg and Bill McAllilly of the Huntsville Club; Ed Vaughn, Bob Cloyd, Mason-Dixon Club; and Bob Smith, Redstone Club. Bob Clapp was general evaluator for the evening.

personnel and devise the system to apply the first applications to the computer," he said.

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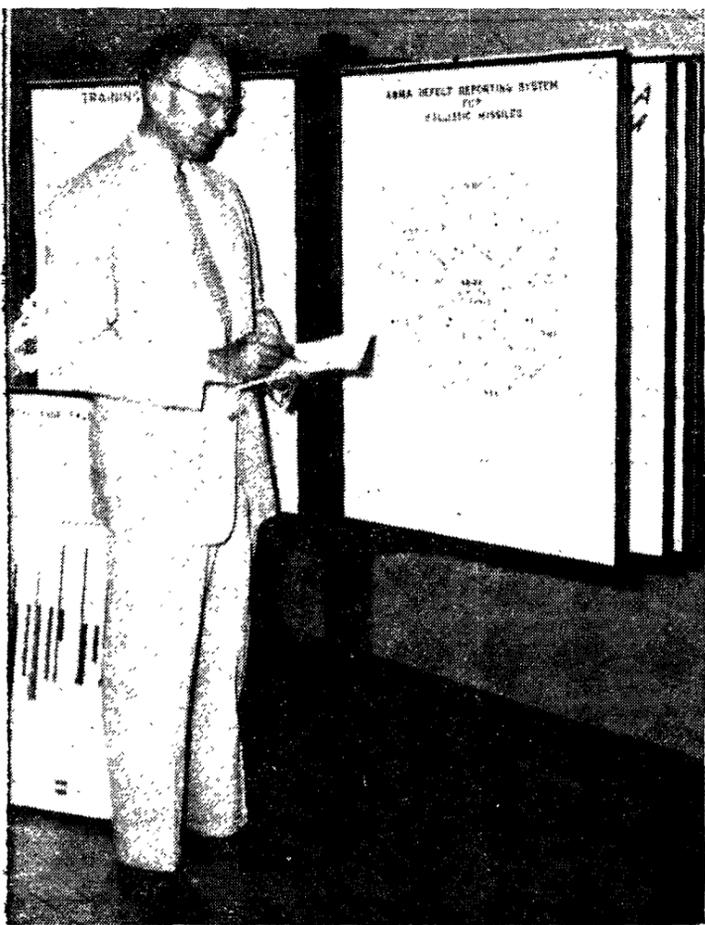
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LEWIS L. GOBER
He Outranks His Wife . . .

'MISTER AND MISSUS' BOTH HOLD IMPORTANT POSITIONS AT ABMA

Lewis L. Gober outranks his wife, Esther, at the Army Ballistic Missile Agency where both hold responsible positions.

But the disparity causes no domestic problem — they both work in different segments of the Agency although their offices are in the same building. Mr. Gober is deputy chief of the Engineering Branch, Industrial Operations Division. His wife is the administrative officer in the Control Office which, among other things, keeps track of what the Industrial Division does.

Mr. and Mrs. Gober live at 18-11 Day Road, Huntsville. They are natives of Mississippi. Mr. Gober's home is in Madison; Mrs. Gober's home is in Kosciusko.

He began his government career in 1940 at the U. S. Naval Shipyard, Charleston, S. C. as a design engineer. Mrs. Gober entered the Navy's employ two years later at the same shipyard, several months after their marriage in 1941. She had studied in Mississippi State College for Women and at Delta State Teachers College. Mr. Gober won his mechanical engineering degree at Mississippi State, where he also received a Reserve commission as second lieutenant in the Army's Coast Artillery Corps.

He left his civilian job April 20, 1942, to enter the Army. When he returned from active duty March 21, 1946, he was a major. He spent most of World War II



MRS. LEWIS L. GOBER
. . . But There's No Problem

in a mobile anti-aircraft artillery unit and saw action in North Africa, Italy, France, and Germany.

As an officer in the Active Reserve, he has a mobilization assignment in the Office, Chief of Engineers, Washington, D. C. He is attached to the 866th Engineer Aviation Battalion of Huntsville for training. He completed the advanced course of the Engineer School by taking three years of study at night.

Following his release from active duty, Mr. Gober returned to the Naval Shipyard and remained there until 1949 when he became staff mechanical engineer for the Air University at Montgomery, Ala. His next position was in Washington as civilian chief, aviation engineer group, U. S. Air Force. Three years later he was promoted to chief, Organization and Equipment Branch. This is the key civilian post in the aviation engineer organization of the Air Force.

He transferred to the Missile Agency in March, 1956. His assignment is to improve the quality, producibility and maintainability of Army long range ballistic missiles, and to achieve effective standardization of items and material.

Mrs. Gober's work concerns budgeting, funding, fiscal control, organization, personnel administration, administrative procedures and reporting. While her husband was stationed in the Pentagon, she entered the employ of the Industrial Division, Office, Chief of Ordnance in June, 1951. She remained there until her transfer to ABMA in March last year.

Previously she had been employed at the Mississippi Ordnance Plant, Jackson, Miss., and a short while at the Foster General Hospital, Jackson. She was also employed in private business.

Mr. Gober is a member of the Society of Automotive Engineers and the Society of American Military Engineers. He is a member of Union Kilminning Masonic Lodge in Charleston, S. C.

Both have been very active in church work. They had a part in building the John Wesley Methodist Church in Charleston, the Dexter Avenue Methodist Church in Montgomery, and the Crossman Methodist Church in Falls Church, Va. Trinity Methodist Church in Huntsville, of which they are members, was organized just a week before the couple arrived here.

Mr. Gober served as chairman of the Official Board and building committee chairman for the Crossman parish when its membership increased from 200 to 350. He is Official Board chairman of Trinity Church, which has a membership of about 350.

In spite of pressure of official business, military and church activities, Mr. Gober finds time to pursue his hobbies. He makes furniture, grows flowers and is known as "Slugger" Gober when he dons cap and glove to pitch for church baseball teams.

His wife's interests are homemaking, dressmaking and tailoring — and she likes to cook for crowds! She's not a "joiner" and wants people to recognize her hard-working husband as Lewis Gober . . . not "Mrs. Gober's husband."

Friends know them as "Ron" and "Rhob."

"My husband nicknamed me that," Mrs. Gober explained with a smile. "I'm his Eve and since he thinks I'm not an ordinary

'Rib,' he spells it with an h." They are members of the Redstone Arsenal Officers Club and, one tiny point of disagreement, Mrs. Gober enjoys dancing. Mr. Gober, she admitted, is not enthusiastic about it.

THE POST LIBRARY
BY ANNA L. FARRAR
Librarian

Following is a list of new books at the Post Library:
James Blish, "Seedling Stars"
Joe Bolton, "The Wind and the

- Weather"
- Zenith Brown, "Girl from th Mimosa Club"
- Tom Chamales, "Never So Few"
- John Cheever, "Wapshot Chronicle"
- Mary Chubb, "City in th Sand"
- Arthur Clarke, "Deep Range"
- Paul De Kruif, "Man Agains Insanity"
- Peter Field, "Powder Valle Manhunt"
- Erle S. Gardner, "You Can Di Laughing"
- Jan de Hartog, "Spiral Road"
- Alfred Hitchcock, "Stories The, Wouldn't Let Me Do On TV"
- Llewellyn Holmes, "The Plun derers"
- Oliver La Farge, "Pause in th Desert"
- Lobsang Rampa, "Third Eye"
- Walter Lord, "Day of Infamy"
- John Mantley, "The 27th Day"
- Frank O'Rourke, "Man Who Found His Way"
- Gerald Pawle, "Secret War, 19 39-1945"
- Norman Peale, "Stay Alive Al Your Life"
- Michael Powell, "Death in th South Atlantic"
- Garland Roark, "Cruel Cocks"
- John Steinbeck, "Short Reign of Pippin IV"
- Leland Stowe, "Crusoe of Lone-some Lake"
- Howard Swiggett, "Durable Fire"
- Elleston Trevor, "Gale Force"
- Robert Trumbull, "Nine Who Survived Hiroshima and Nagasaki"
- Donald Wetzel, "The Rain and the Fire and the Will of God"
- Paul Wick, "Batboy of the Braves"
- Paul Winterton, "Megstone Plot"

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100% ALL WOOL WORSTED SUITS
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SLACKS
Reduced to
2 for 10.90 2 for 6.90 2 for 12.90

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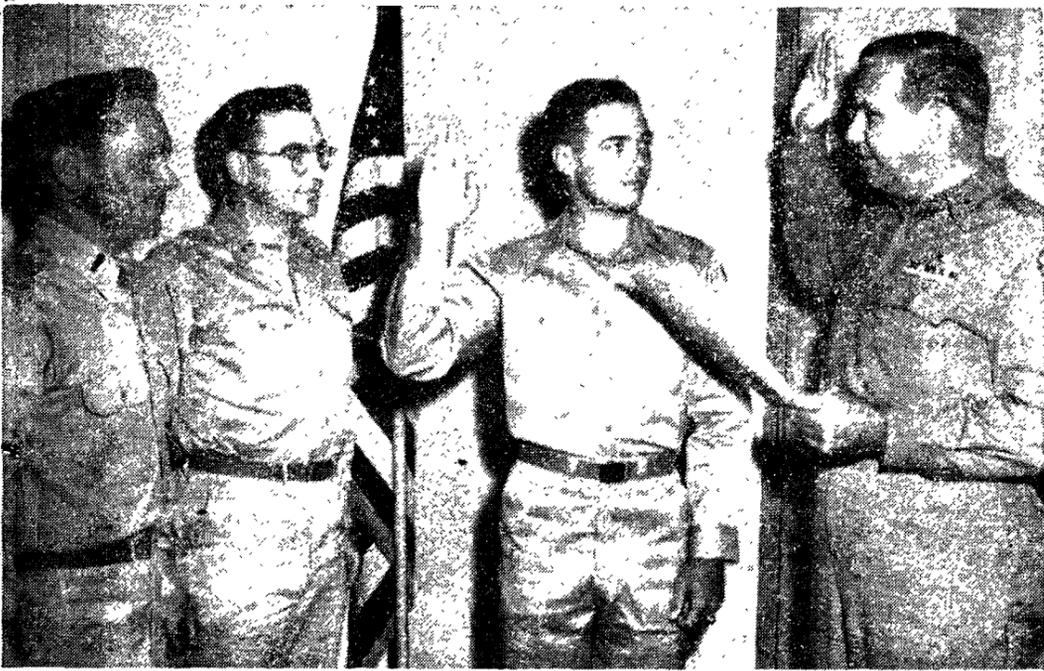
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RECEIVES RESERVE COMMISSION — Pvt. Robert M. Menke (second from right) takes oath for the inactive reserve commission he received under the Scientific and Professional program for Army Reserve officers. At present he is on duty in the Industrial Division as a procurement analyst. Administering the oath is Maj. Russell C. Bergmann, RSA troop commander (right). Pvt. Menke is the first individual to accept a commission under this program since CWO Parks L. Chastain took over as recruiting officer in May, 1955. CWO Chastain (left) and Lt. Cecil L. Joyce, Det. A commander of the 9330, witness the oath. Pvt. Menke will finish his present enlistment and return to the University of Florida to enter law school. He has a bachelor of science degree in Industrial Engineering from Florida. He was active in the Sigma Alpha Epsilon fraternity and a member of the American Institute of Industrial Engineers.



'MODEL' SOLDIER OPENS PX ADDITION — Showing off what the well-dressed man (nequin) will be wearing this season, a "model" soldier (at left) "cuts" the ribbon to officially open the new Men's Shop addition to the Post Exchange (Bl. 1051). No "dummies" are the due locking on, though — Lt. Col. Dante Vezzoli, assistant to the Redstone deputy post commander for supply, and Maj. Guy M. Marks, post exchange officer. The new Men's Shop features both military and civilian attire. Hours are the same as for the PX — 9:30 to 5 Monday through Friday and 9 to 2 on Saturday. (Photo by Mac McCrary)

Soldier Recognized As Horticulturist Takes Up Botany

FORT RILEY, Kans. — "Who's teaching whom?" might well be asked.

Sergeant First Class George W. Warner, assigned to the Fifth Army Food Service School here, is an amateur horticulturist. With ideas of professionalizing his hobby when he retires from the Army some years hence, he has enrolled in a botany course through the United States Armed Forces Institute.

USAFI, the military "correspondence school," has its headquarters in Madison, Wis., and has unofficial ties with the University.

When his distant instructor returned a corrected exam recently, Warner was pleased to find a note attached forwarding an inquiry from a botany instructor at the University about iris hybridizing.

For Warner last summer received national recognition among commercial and amateur florists for his experiments with the multi-colored iris. It's resulted in quite a correspondence for him, including with officials of the American Iris Society who are interested in the soldier's experiments with the effects of fluorescent light on pollination.

Warner, frequently assisted by his wife and two children, spends a lot of time in the basement "laboratory" of his home in nearby Junction City, where he plans to live permanently.

Here he keeps careful records in hundreds of iris shoots and other flowers. In the spring he will plant them in the garden in the rear of his home at 420 West Elm Street.

His growing fame as a horticulturist is such that local garden clubs have asked to hold informal meetings there when the lowers are in full bloom.

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Sergeant Has Grieps With Name Doubles

FORT SAM HOUSTON, Tex. — A sergeant here has an almost daily headache, even if he is sta-

tioned at the Brooke Army Medical Center. It attacks him every time he calls the roll for his company.

With four sets of twins, two brothers, and 21 other soldiers sharing only nine last names,

First Sergeant Frank W. Lakins of Omro, Wis., has to call out the first and last names every time for 31 of his men.

In addition to the family groups, there are the following unrelated soldiers: two Allens,

two Atkinsons, two Cooks, two Davenport, two Hamiltons, three Johnsons, three named Meyer — (one is Meyers and one Myers), three Smiths, and two Webers.

They're all there but the Jones boys, although one man is named Joines.

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THESE PRICES GOOD FOR WED., — THURS., — FRI., — SAT.

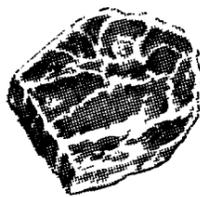
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LT. CHRISTIAN HONORED — A scroll, listing the many valuable contributions made by Lt. Charles H. Christian to Redstone Arsenal's cub scout group, was presented to him recently during the pack meeting ceremonies held at the picnic area here. Maj. F. W. Dill (right), chairman of the pack committee, is shown making the presentation. Admiring Lt. Christian is Chuck Hahn. Chuck was awarded the Webelos badge at this same meeting. Lt. Christian has served as cub master and assistant cub master for the past two years.



GOLF TOURNEY PROCEEDS DONATED — Col. Milton H. Clark, (right), chief of the Research & Development Liaison Branch of ABMA's Control Office and chairman of the post's Joint Activities Council, accepts a contribution of \$27 for the Council's fund from Lt. Col. Arthur Hogan (center), post Provost Marshal. The money, proceeds of a recent golf tournament sponsored here by the post's Military Police as part of the U. S. Military Police Association's first International Golf Day, was presented by Col. Hogan on behalf of local Military Police personnel. Looking on is Maj. Joseph M. Hancock, assistant provost marshal, who was coordinator of the local golf play. Under rules of the MPA, tourney proceeds were to be donated to a charity designated by the post provost marshal.

LT. CHRISTIAN HONORED FOR SCOUT WORK

Lt. Charles H. Christian was presented a scroll recently by Redstone Arsenal's cub scout pack.

Since his assignment here in October, 1955, he has served as cubmaster and assistant cubmaster for the pack.

Maj. F. W. Dill, chairman of the pack committee, made the presentation during a ceremony at the picnic area where the scouts held this month's regular meeting.

Lt. Christian, who was a boy scout himself at one time, is a graduate of Cornell University where he earned his bachelor of science degree in civil engineering.

Other important awards were made during the ceremonies held at this month's meeting. Among them was a Webelos badge (the

highest rank obtainable in cub scouting) earned by Chuck Hahn, son of Maj. and Mrs. W. R. Hahn.

Timothy Paul, Kit Jean, Vance Salter, Mike Zierdt, and Robert Love received a silver arrow point in the Wolf rank; Chad Michaels and Norris Fill received a gold arrow point in the Wolf rank; Lee James earned his Bear badge and a service star; Bobby Clary, two-year service star; Marty Raines, Wolf badge; Jimmy Davison, gold arrow point in the Bear rank; Bobby Swearingen, Wolf badge; Ronny Dykes, silver arrow point in the Bear rank; denner stripe and a silver star; Tom Gannon, assistant denner tripe; Pat Gannon, denner stripe and service star; Jeffrey Cowan, denner stripe and two-year service star; Robert Geer, service star; and Robert Mac Pearce, Lion badge.

Taken in as Bobcats were Skip Ash, Tommy Seigler, and Danny Cogswell.

REWARDS OF 'SPELUNKING' TOLD

(Editor's note: The following article was submitted to The Rocket by Lt. William A. Ogram, of the Ordnance Guided Missile School, a member of an increasingly large group on post whose hobby is "spelunking" — cave exploring.)

One of the most scenic and interesting areas in the vicinity of Huntsville is passed over, literally, by people living and working in this area. Thousands actually go about their business every day right above some of the finest limestone caverns in the world without ever seeing them. These North Alabama caverns are of especial interest to the military and civilian personnel working here at Redstone Arsenal as a source of recreation; be it esthetic, athletic, or scientific.

From an esthetic point of view the myriad stalactite, stalagmite, helictite, and flow stone speleohems, untouched in many cases by the careless destructive hand of man, pleases the sense of sight and shows what beauty God can create. A flash photographer's paradise, many of the caves require some physical effort to get into, but such beauty is well worth the effort.

From an athletic point of view there are varying amounts and types of exercise to suit the caver. From difficult rock climbing and swimming to walking and crawling, there is exercise for everyone, be it he or she—old or young.

From a scientific point of view, much can be learned about the geologic structure of the area, ancient history can be traced, water tables checked, evolution and adaptation in cave insect life studied—all are of extreme interest to their devotee. Isolated from the outside world for thousands of years, white crayfish, fish, centipedes, and the like never cease to interest even a casual "spelunker," as amateur cavers are known in caving talk.

It is because of these natural beauties and phenomenal life that all "spelunkers" are personally dedicated to protecting the contents of caves against wanton destruction by those who do not appreciate the natural treasure therein. Centuries must pass to

heal the damage done by unthinking persons in several of the easily entered caves in the area. Because of this, all should realize that in breaking off a stalactite souvenir they have committed a disservice to all; who like themselves, shall enter to view nature's handiwork only to find a shambles.

Here on Redstone Arsenal is an active group of "spelunkers" which includes cave explorers, surveyors, geologists, entomologists, archeologists, etc., who are members of the Huntsville Speleological Group. Among these are Dr. C. A. Lundquist, Phillip Zetler-Seidel, Mr. and Mrs. William H. Varnedoe, James H. Johnson, Lt. Carl Konkle, George Weir, George Merklinger, Lloyd W. Root, Peter B. Burnham, and William A. Ogram, Sgt. L. I. Varney, and Pvt. Stu Tucker. Any one of the above would be more than glad to discuss "spelunking" with interested readers.

The Huntsville Chapter of the National Speleological Society is

especially active in caving activities and has many projects worthy of the time and efforts of those interested in a cool Summer and warm Winter activity.

Those sincerely interested are cordially invited to attend meetings held every second Monday evening of each month at 7:30 p.m. in the children's room of the Huntsville Public Library. On the Sunday following the meeting, a day-long expedition meets at 8:30 a.m. at Hill's Grocery Store before setting out. There are also several three-day-week-end camping expeditions during the year.

"Oh mother, look at that kind man!"

"Why, Betsy, what's he doing?"
"He's sitting on the sidewalk talking to a banana peel."

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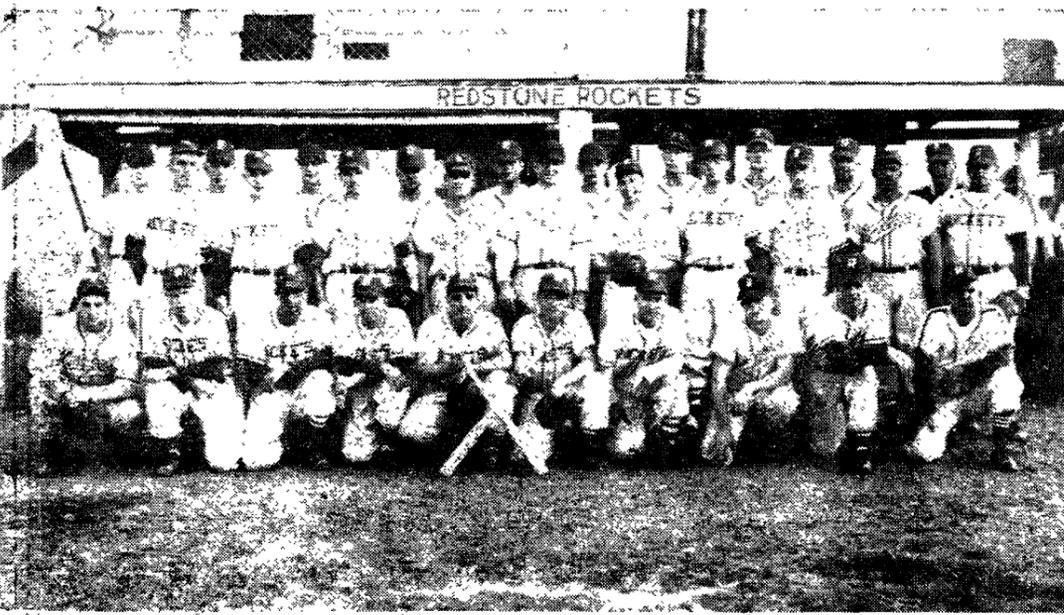
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Huntsville, Ala.



THE 'ROCKETS,' 1957 VERSION — Posing for their portrait above are members of this season's Redstone Arsenal baseball team, the "Rockets." Front row, left to right: Pvt. James F. Dailey, Pvt. Thomas Baines, Pvt. Roy Marrero, Pvt. Davis O. Boyer, Pvt. Charles A. Branda, Pvt. John A. Russo, SP3 Raymond Penn, Pfc. D. R. Mathieu, Pvt. Donald D. Quirk, and Sgt. Robert Smaw (manager). Middle row: Pvt. Charles D. Hayes, Pvt. William S. Crownover, Pvt. David G. Howe, Pvt. Willis H. Duinick, Pvt. John Tourin, Pvt. Alexander Madyda, Pvt. Luis M. Lopez, Pvt. Lewis H. Scherer, SP3 B. L. Johnson, and Pvt. Jerry Uribe. Back row: Lt. George Pugh, Pfc Gary L. Wisener, Pvt. Benedict T. Ontrak, Pvt. E. R. Anderson, Pvt Thomas Simons, SP3 John Schillo, Pvt. George Watts, Pvt. Thomas H. Romberg, Pvt. Edwin G. Tyckoson, and Sgt. Robert R. Carier.



A GIRL OF DIVERS CHARMS — Also, a charming diver. That's this week's Rocket Pin-up, Miss Joan Thrasher, shown above about to plunge into the cool waters of the recently-opened Post Swimming Pool. A native of Boaz, Joan lives in Huntsville, works in the Purchasing Dept. of the Chrysler Office in Bldg. 112. And she's getting married this month.

Baseball Team Loses to Ft. Knox, 13-1

The Rockets lost their sixth game Saturday to Ft. Knox, Ky., 13 to 1. This gives them a season record of seven wins and six losses.

Ft. Knox pitcher Turner allowed only five hits and struck out 10 as he gained his fifth win of the season. Roy Marrero suffered his second loss to give him a record of 1-2.

In Sunday's game the Rockets were well on their way to avenging Saturday night's loss when the rains came. They were leading 4 to 1, and had the bases loaded with Ben Johnston, who tripped in the first inning, at bat when the game was called.

SOFTBALL STANDINGS 10 June 57

Team	Won	Lost
Det "B", ABMA	11	1
USAOA Off (Franken.)	7	1
Hq & Hq Det, OGMS	7	3
1st ETD	6	4
78th Ord Det	6	4
2nd ETD	5	3
Hq & Hq Det, USAOA	4	5
162nd Ord Det	4	5
Det "A", ABMA	3	5
OGMS Off	2	4
USAOA Off (Frankenstein)	2	7
32nd Ord Det	1	6
Det "A", USAOA	0	10

Captain John Paul Jones led a raid on British ships at Whitehaven, England, April 22, 1782.

5 (\$3,670 per year) and include GS-11 (\$6,390 per year). Amendments to two announcements close the competition on June 13. They are announcement No. 5-35-19(54) for laboratory electronic mechanic with grades from GS-4 through GS-7 and announcement No. 5-35-19(56) for purchasing officer with grades beginning at GS-11 and ending at GS-14.

COMPANY SOFTBALL SCHEDULE (13 June — 18 June)

13 June 1957 —
 1800 hours — Field 1 — USAOA Off (Frankenstein) vs 1st ETD
 Field 2 — USAOA Off (Prewett) vs 2nd ETD
 1930 hrs — Field 1 — Hq & Hq Det, USAOA vs OGMS Off
 Field 2 — 32nd Ord Det vs 162nd Ord Det

14 June 1957 —
 1800 hrs — Field 1 — 2nd ETD vs Det "A", USAOA
 Field 2 — Hq & Hq Det, USAOA vs 162nd Ord Det
 1930 hrs — Field 1 — 78th Ord Det vs USAOA Off (Prewett)
 Field 2 — 1st ETD vs OGMS Off

17 June 1957 —
 1800 hrs — Field 1 — Det "A", USAOA vs 78th Ord Det
 Field 2 — OGMS Off vs 32nd Ord Det
 1930 hrs — Field 1 — USAOA Off (Frankenstein) vs 162nd Ord Det
 Field 2 — Det "A", ABMA vs Hq & Hq Det, OGMS

18 June 1957 —
 1800 hrs — Field 1 — USAOA Off (Frankenstein) vs OGMS Off
 Field 2 — 2nd ETD vs 32nd Ord Det
 1930 hrs — Field 1 — Det "A", ABMA vs 162nd Ord Det
 Field 2 — USAOA Off (Prewett) vs Det "B", ABMA.

Ammo Inspection Specialist Opening Announcement Made

The U. S. Civil Service Commission has issued announcement No. 5-35-19(57) for ammunition inspection specialists. Grades for the job begin at GS-

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is being produced here this week. The movie, sponsored by the Ordnance Corps, will be in black and white.

Location for shooting is the C-124 plane which the Army Ballistic Missile Agency uses for simulated missile loadings. The 'actors' are troops from the Ordnance Guided Missile School. Redstone Arsenal is supplying the ammunition and handling equipment.

Harry G. Willis, from the Ordnance Training Command at Aberdeen, is the project director. Technical advisor is Joseph W. Mather, from the U.S. Army Ordnance School at Aberdeen. Andrew Kelly, motion picture director from the Army Pictorial Center, is in charge of production. Shooting began Monday, June 10, and will continue for about two weeks.

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Post Pistol Team Wins Match Honors

In competition with approximately 40 pistol shooters at the Monthly National Rifle Association Pistol Match at Birmingham on June 2 members of the Redstone Arsenal Pistol Squad won a total of 11 medals as follows:

Capt. George H. Adams, RSA, won the .22 cal. rapid fire match and the center fire match and won first place in the expert class for the .22 cal. national match course.

Lt. Robert A. Rutledge, RSA, won first place in the marksman class in the .22 cal. rapid fire match.

CWO George M. Seely, OGMS, won the .22 cal. national match course and won first place in the expert class for the center fire national match course.

SP3 Samuel B. George II, won first place in the marksman class in the .22 rapid fire match.

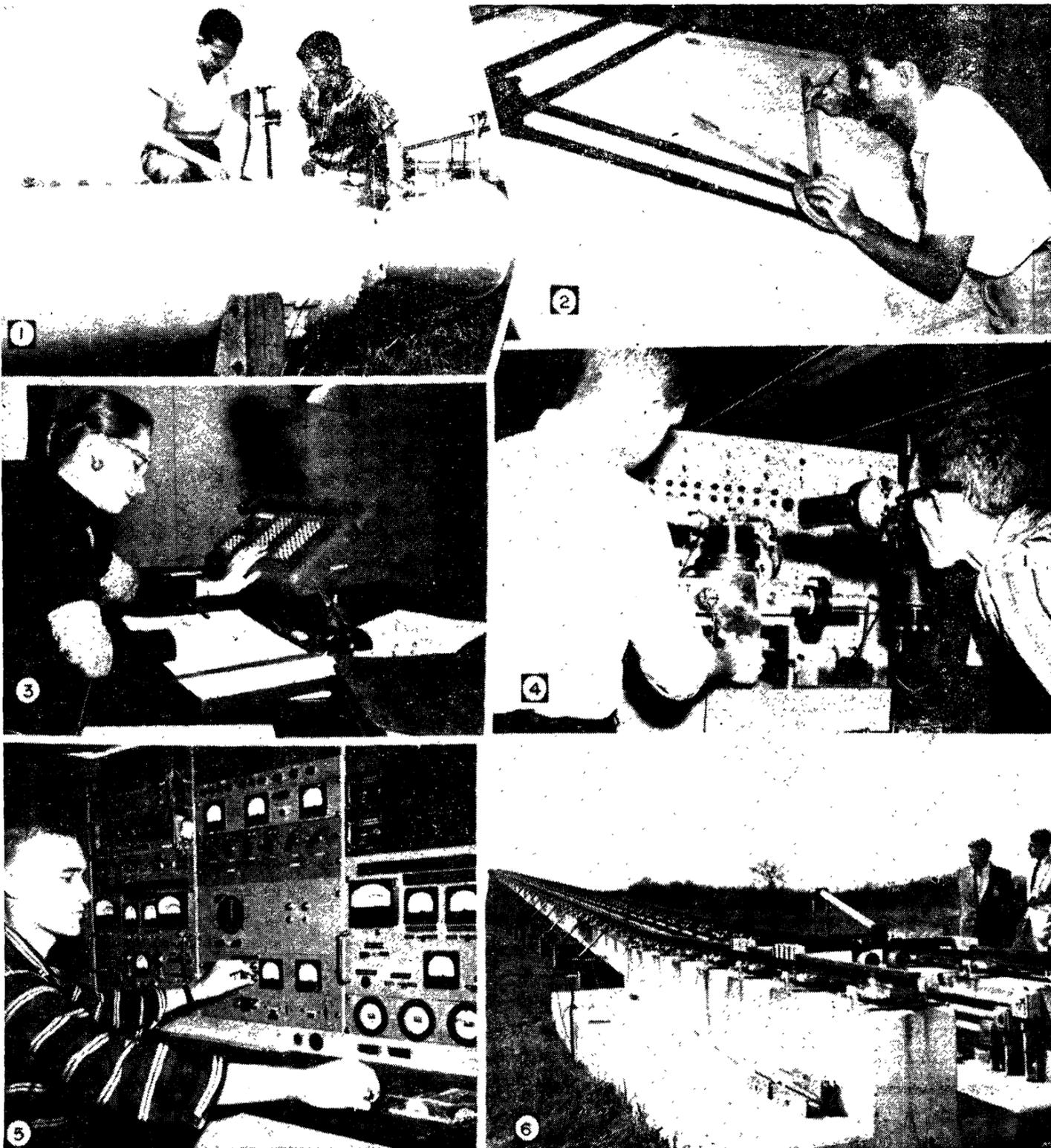
SP3 Harry B. Newman III, ABMA, won first place in the marksman class in the center fire national match course.

SP3 Donald R. Watkins, ABMA, won first place in the marksman class in the .22 cal. national match course.

Robert Ekis, RSA, won first place in the center fire national match course and second place in the .45 cal. national match course, sharpshooter class.

Naval Research Reserve Unit Formed; Meetings Announced

A Naval Research Reserve Company has recently been formed in order that Naval Reserve Officers having research experience, capabilities, or present associated civilian occupation may continue to remain active in the Naval Reserve and meet requirements for promotion and retirement.



ARMY HELPS TRAIN COLLEGIANS — Some 150 college students, mostly in the engineering and scientific fields, are participating in the co-operative training program at Redstone Arsenal and the Army Ballistic Missile Agency. The students attend school one quarter and perform duties at the missile development center the next — in fields corresponding with their college specialty. The above scenes are typical of co-op students at work. (1) John Chambers (left), API and James Tabb, Georgia Tech, examine the launcher "lugs" or guides on an Honest John

rocket motor. (2) Anthony Battaglia, Georgia Tech, designs a missile fuel system. (3) A University of Alabama student, Patricia Boggs, graphs results of a missile guidance system test. (4) Robert Cook (left), Georgia Tech, and Beverly Young, API, examine a gyroscope in ABMA's guidance and control laboratory. (5) Joe Hendrix, API, operates the control panel during the test of guidance equipment. John Gresham (left), API, explains Redstone's preacceleration launcher to Edwin W. Liverett, also from API.

Page 8 THE REDSTONE ROCKET — JUNE 12, 1957

At present this is a non-pay unit, meeting twice a month at 7:30 p.m. on alternate Tuesdays. The next meeting will take place June 18 (Makeup) and June 25 (Regular).

Any interested Naval Reserve Officer is invited to attend these meetings at the Naval Reserve Armory near Big Spring Park, Huntsville. Contact Cdr. Williams at ext. 2207 or Lt. Cmdr. Sweeney at ext. 3937 for further information.

Hydrogen Compress Plant Operating As Lessee on Arsenal

A hydrogen compressing plant operated by the National Cylinder Gas Co. as a lessee using a building in Plants Area No. 2 has recently begun production.

The new plant, part of a widespread expansion program by National Cylinder Gas, is the 76th at which the company produces gas in the United States, Canada, and South America. It compresses hydrogen produced from chlorine cells by the electrolytic method, producing a gas with the high degree of purity required by certain specialized industries such as electronics and metallurgy.

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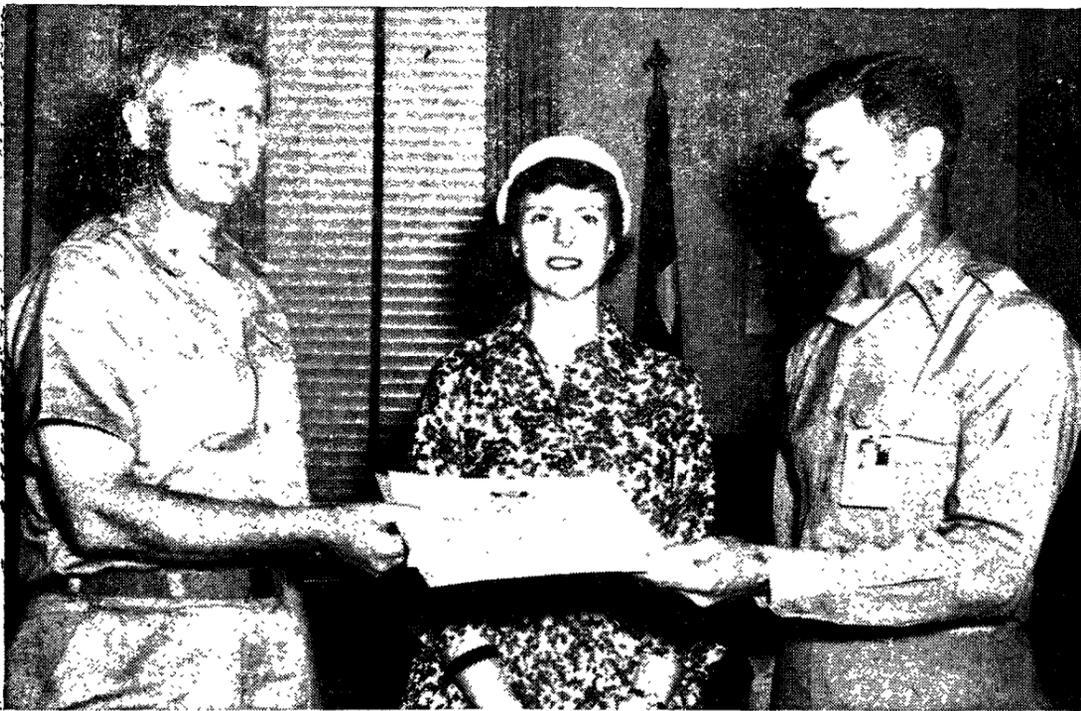
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RETIREES — Maj. Daniel F. Breedon (right) has retired from the Army after more than 20 years of service. He is shown holding the Certificate of Achievement. Brig. Gen. John G. Shinkle (left), deputy commanding general of Redstone Arsenal, presented him during a brief retirement ceremony. With them is Mrs. Breedon. Maj. Breedon has taken a position in Santa Barbara, Calif. Maj. Breedon was an assistant chief of the Surface-to-Surface Branch of the Research and Development Division at the Arsenal. He has been here since October, 1954. Among the medals the major received during his service is the Bronze Star medal.



SPECIAL TROOPS HAS HONOR ROOM — Pfc. Robert M. Menke, Det. A, is the first soldier to bask for 30 days in the luxury and privacy of The Honor Room in Bldg. 680. Each soldier of the month for Special Troops will be given the key to this room, which is resplendent with rugs, curtains, reading lamps, overstuffed chairs, writing desk, poster bed, and an innerspring mattress. Pfc. Menke was also chosen Post Soldier of the Month for May. In top photo above Col. Keith T. O'Keefe, Redstone's deputy post commander, hands Pfc. Menke the key to The Honor Room, while Maj. Russell A. Bergmann, commanding officer of Special Troops, looks on. In the lower photos Pfc. Menke is shown unlocking the door to The Honor Room, and "living it up." (Photo by Rex Evers)



Army Pilots Help In Florida's War Against Fruit Fly

FORT BENNING, Ga. — If nothing has been heard lately about the Mediterranean fruit fly, perennial terror of the Florida citrus industry, the U. S. Army is entitled to some of the kudos.

The Army, in the persons of Captain Robert J. MacLennan of (53 Moraine St.) Brockton, Mass., and Chief Warrant Officer Bobbie Bruce of (2622 Brenda Rd) Columbia, S. C., spent the last six months of 1956 in a helicopter charting citrus groves in southern Florida and testing them for the presence of the fruit fly by means of a lure that, in the words of Bruce, "appealed to the insect's romantic nature." If found, the area was air-sprayer with chemicals.

The operation was carried on as an assist to the Department of Agriculture. It was made more difficult by the fact that some citrus groves grow wild in normally in-

accessible swamplands and the fact that the spray is also hard on laundry.

The Army pilots placated irate housewives by instituting an educational program that included press and radio notices on the day and hour of sprayings, and an explanation of why their work required rooftop flying.

Bruce, son of a master sergeant with the military police at Fort Campbell, Ky., is regularly assigned as a pilot with a helicopter transportation company here.

MacLennan is pilot and executive officer of a medical detachment here. He received a direct commission after earning a degree from Springfield (Mass.) College.

More than 1,000 vacuum tubes, costing from 56c to \$681 each, are used in a jet bomber.

The engines of a new U. S. jet bomber, flying at only 375 miles an hour develop more horsepower than 400 automobiles of 200 hp each.

A medium-sized turbo-jet engine in a jet plane burns its own

weight in fuel every 20 minutes.

The floor of a new military turbo-prop transport will be stronger than a modern skyscraper's foot-thick reinforced steel concrete flooring.

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JUNE 13 -- SCHEDULE FOR SUMMER QTR. 1957 -- AUG. 29

COURSE	Prerequisite	Credit Sem. Hrs.
MONDAY - WEDNESDAY 6:00 - 8:00		
Chemistry 1 - General Chemistry (Lab. Fri. 6-10)	None	4
Chemistry 2 - General Chemistry (Lab. Fri. 6-10)	Chemistry 1	4
Drawing 31 - Engineering Drawing (6-10 p.m.)	None	2
Drawing 32 - Engineering Drawing (6-10 p.m.)	Drawing 31	2
English 2 - English Composition	English 1	3
English 5 - English Literature	English 2	3
History 1 - History of Western Civilization	None	3
*E.E. 4 - D. C. Circuits	E. E. 3	3
Marketing 1 - Industries and Commerce	None	3
Mathematics 49a - Differential & Integral Calculus	Mathematics 25	3
Mathematics 49b - Differential & Integral Calculus	Mathematics 49a	2
M. E. 1 - Mechanisms (Lab. Fri. 6-10)	Dr. 31, Ma. 51 & Ph. 5	4
MONDAY - WEDNESDAY 8:00 - 10:00		
Accounting 1 - Principles of Accounting	None	3
Accounting 100 - Intermediate Accounting	Accounting 53	3
Biology 2 - General Biology (Lab. Thurs. 6-10)	None	4
CE 109 - Industrial Structures	MH 93 or 94	3
English 1 - English Composition	None	3
History 60 - Problems of American History	Perm. of Instr.	3
MGT. 112 - Motion and Study	Mgt. 51 or I.E. 51	3
Mathematics 11 - Algebra	None	3
Mathematics 01 - Elementary Algebra	None	NC
Mathematics 25 - Analytical Geometry	Mathematics 15	3
Physics 5c - Technical Physics (Mechanics) (Lab. Thurs. 5:30-8:00)	Mathematics 15	3
Physics 6c - Technical Physics (Heat, Light and Sound) (Lab. Tues. 5:30 - 8:00)	Mathematics 15	3
Political Science 1 - Principles of American Govt.	None	3
TUESDAY - THURSDAY 6:00 - 8:00		
Accounting 2 - Principles of Accounting	Accounting 1	3
Drawing 33 - Descriptive Geometry	Drawing 31	2
English 1 - English Composition	None	3
History 49 - Current World History	Perm. of Instr.	3
Mathematics 15 - Trigonometry	Mathematics 11	3
Mathematics 20 - Elementary Mathematical Statistics	Mathematics 11	3
Mathematics 51 - Differential and Integral Calculus	Mathematics 49	3
Mathematics 95 - Differential Equations	Mathematics 51	3
M. E. 51 - Thermodynamics	Math. 51, Ph. 6	3
Psychology 3 - General Psychology	Psy. 1 or Jr. St.	3
Interior Decoration 1 (Tues. only 7-9)	None	NC
TUESDAY - THURSDAY 8:00 - 10:00		
Chemistry 141 - Physical Chemistry	Physics 6, CH 24, Ma 49	4
Economics 11 - Principles of Economics	None	3
English 10 - American Literature	English 9	3
G. E. S. 12 - Engineering Preview	Math. 11 or GES 11	2
History 21 - History of U. S. to 1865	None	3
Mathematics 11 - Algebra	None	3
M. H. 81 - Statics	Physics 5, Math. 51	3
Physics 7c - Technical Physics (El. and Mag.) (Lab. Mon. 5:30-8:00)	Physics 5c or 6c	4
Russian x1 - Russian Language (Tues. only till June 25)	None	NC
Russian x2 - Russian Language (beginning July 2)	Some knowledge of	3
English 165 - Studies in American Literature 1789-1861. This 3 hour course meets Saturday mornings 10:00 to 12:00 and other hours to be arranged.		

Classes not enrolling sufficient number of students will be postponed until the next term.
 Persons registering for English 1 and Mathematics 11 for credit will be required to take entrance examinations in those fields. These examinations are given at the Center, June 14 at 6:00 o'clock and 8:00 o'clock P. M.

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FINANCE CORPS TO CELEBRATE 182ND ANNIVERSARY ON JUNE 16

On June 16, 1775, less than two months from the time the shot "heard 'round the world" was fired at Lexington, the Continental Congress created a Pay Department for the American Army. In the intervening 182 years, the payment of the Army's financial obligations has been a function of continuing importance.

From the Revolutionary War up to 1912, the Pay Department disbursed the Army's money. The Quartermaster Corps, created in 1912 from the Pay, Quartermaster, and Subsistence Departments, handled Army payments until 1920.

In 1920 the Finance Department was created by the passage of the National Defense Act. July 1 was the date Brig. Gen. Herbert M. Lord, first Chief of Finance, announced the creation of the Finance Department to the officers of his staff. On July 15, the Secretary of War confirmed this by signing the National Defense Act. In 1921, General Lord was made the War Department Budget Officer.

In September of 1920 the Finance School of the U. S. Army was established. In its 37 years of instruction it has trained more than 45,000 students in the proper techniques of financial management. It has recently moved into a modern school building, its first permanent home, at Fort Benjamin Harrison near Indianapolis, Ind. The new building is occupied jointly by the Adjutant General and the Finance Schools. Under the administration of the first Chief of Finance the Finance Department attained a high level of prestige. The chief of Staff in 1919, General Peyton C. March, had explained that the purpose of creating the Department was to provide the Army with professional soldiers who were financial experts familiar with all sides of Army finance just as the Infantrymen were familiar with all the workings of Infantry groups. Finance was their special business in life.

In this atmosphere and under the aggressive leadership of General Lord, the Chief of Finance was the budgeting officer, the accounting officer, the auditor, and the disbursing officer of the War Department. He exercised virtually all functions, except man-

agement engineering, which are now handled by the Comptroller of the Army. While the size of the Army shrank in the inter-war period, the Finance Department's functions began to grow with the recovery program. An important non-military assignment of the Finance Department during the depression was paying the Civilian Conservation Corps.

In World War II the Office Chief of Finance was placed under the newly-created Office of the Fiscal Director. However, the Finance Department continued to fulfill the Army's financial obligations to its soldiers, civilian employees and to commercial contractors. It even assured an important new activity—that of paying benefits to dependents of service men.

In November 1945 the Finance Center was established in St. Louis, Mo. Later, a huge new building, sometimes called the "Pentagon of the Prairies," was built at Fort Benjamin Harrison, Indianapolis, Ind., to house the multitudinous functions of the "Home of the Army Dollar." The relocation involved movements from St. Louis, Indianapolis, other buildings at Fort Harrison and transfer from Washington, D. C. of the Transportation Division and Retired Pay Branch. In late Spring 1954 the present Finance Center, U. S. Army, was functioning in its permanent home. This organization of 4,500 civilians and 100 military plays an important part in the financial affairs of the Army. Into it have been brought all the specialized functions which would not ordinarily be handled by the finance offices at posts, camps and stations.

After World War II, Public Law 216 — an act to reorganize fiscal management in the National Military establishment to promote economy and efficiency — brought into being the Office of the Comptroller of the Army, of which the Office Chief of Finance is an integral part.

The present Chief of Finance, who assumed the office on 18 May 1956, is Major General Harry W. Crandall, a 1925 graduate of the United States Military Academy.

As the Finance Corps enters upon its 183rd year, disbursing continues to be a primary function; but our responsibilities have vastly increased. The billions of dollars required to run the Army must be accounted for. The Finance Corps does not rest on the laurels of its past, but prepares for better and bigger ways to serve the Army throughout the broad field of Financial Management.

First Pvt.: "I know a place where Wacs don't wear anything out their dog tags."

Second Pvt.: "Fot Pete's sake, pal, where's that?"

First Pvt.: "Around their necks."



BOTTLE BABIES — These two gray squirrels, whose eyes are not even open yet, feed from a doll bottle in the hand of Mrs. Miles B. Chatfield. One of the little stinkers bit the hand that was feeding her sister. Almost ready for a more substantial diet, they also have a diet of bread soaked in milk. The babies were picked up in the ABMA test tower area and presented to Brad Chatfield, who works in the area. A bottle of hot water was used as an incubator-warmer and the little squirrels crawled into the neck of the sock to keep as warm as mother would keep them. No one knows whether the nest was blown apart or whether a hawk tore it to pieces, but the mother has disappeared.

(Photo by Mac Cray)

THE STAMP CORNER BY J. H. MULDER

Two new commemorative stamps have just been announced for the Post Office Department's program for 1957. One commemorates the 350th anniversary of the first ship built in America, the other commemorates the 200th anniversary of the birth of the Marquis de Lafayette.

The ship stamp will be issued in August at Bath, Maine, the site of the building of the first ship. The Lafayette stamp will be issued on Sept. 6th with the first day of issue city still not announced.

A review of issues pending shows that several are now just about due:

June 10th — Jamestown Naval Review, Norfolk, Va.

June 14th — Oklahoma Statehood, Oklahoma City, Okla.

July 1st — Teachers, Philadelphia, Pa.

July 4th — U. S. Flag (4c), Washington, D. C.

Aug. 1st — Air Force (6c), Washington, D. C.

August — Shipbuilding 350th, Bath, Maine.

Sept. 6 — LaFayette Bicentennial, unannounced.

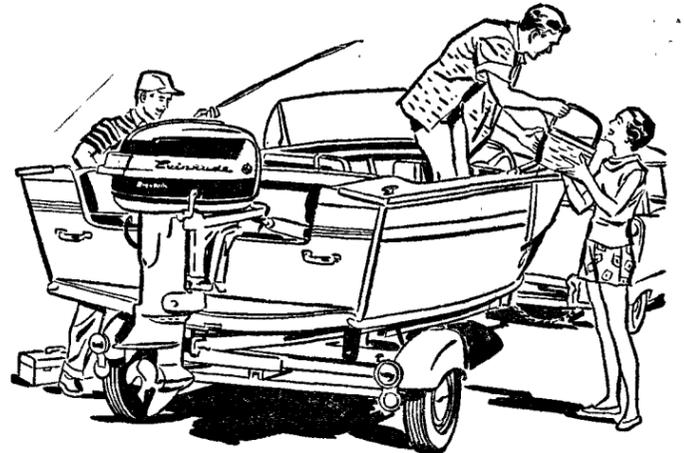
The Air Force stamp is scheduled to be a 6c Air Mail stamp, however, it might be changed to a 7c Air Mail if the increased postal rates are approved.

The luxury liners, United States and America, could be placed side by side on the flight deck of the Navy's supercarrier Forrester.

duces approximately the same power as the giant turbines of a Navy cruiser.

A rocket engine developed for a supersonic research plane pro-

Amelia Earhart began the first solo flight across the North Atlantic by a woman May 20, 1932.



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MOVIE SCHEDULE

Wednesday, June 12, 'The Monster That Challenged the World', starring Tim Holt and Audrey Dalton (Family) Time 1900.

Thursday, June 13, 'Something of Value', starring Rock Hudson, Dana Wynter and Sidney Poitier (Mature) Time 1830 and 2030.

Friday, June 14, 'Joe Butterfly' starring Audie Murphy, Geo. Nader and Kennan Wynn (Family) Time 1900.

Saturday, June 15, 'Stormy', (Family) Time 1900.

Sunday, June 16, 'Beau James', starring Bob Hope, Paul Douglas and Vera Miles (Mature) Time 1830 and 2030.

Monday, June 17, Closed.

Tuesday, June 18, 'Johnny Tremain', starring Jeff York and Hal Stalmaster (Family) Time 1900.

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CHARLES DURR, ABMA CO-OP STUDENT DROWNS

Charles W. Durr, 27, former co-op student employe in the Guidance and Control Laboratory of ABMA, drowned accidentally Sunday, June 2, while on a lone skin-diving expedition at Mirror Lake near Guntersville.

His body was discovered floating in the lake at 8:30 a.m. Tuesday by four tourists and was later pulled from the lake by Marshall County Sheriff L. P. Dickson. Durr was wearing an aqua-lung and diving goggles.

When he failed to report for work Monday morning, his supervisor tried to locate him and found that he had been missing from his home at 515 W. Clinton St., since Sunday. He then reported him missing to the Highway Patrol.

The body was tentatively identified from papers found in a car parked near the lake. A later



CHARLES W. DURR
Drowning Victim

check verified that the victim was Charles Durr.

Durr was a mechanical engineering student at Auburn, having reported to Huntsville for work in March. He had previously been a soldier at Redstone Arsenal and was discharged in 1954 after a two-year tour here. He was not married.

The body was sent to his home in Dover, Ohio, for burial.

The American Revolution began April 19, 1775, with the battles of Lexington and Concord.

NIMBLE 'UNIVAC' RELIEVES SOLDIERS OF DRUDGERY JOBS

FORT LEWIS, Wash. — The quick-thinking genius of "Univac" is now about to help supply sergeants here keep pace with the pentomic-age Army.

Installed early this year for a March debut at the job of cost-accounting millions of dollars worth of supplies and property, the vacuum tube wizard is scheduled to take on many wink-of-an-eye calculating, bookkeeping and report chores that clerks and adding machines needed weeks to produce.

The result, at a rental cost of \$3500 a month, will be to strengthen the ability of the post to act quickly in any situation on the strength of accurate and up-to-the-minute information.

Conversion to full computer use will be gradual. This summer Univac's workload will be expanded to include appropriation and disbursement accounting. Then it will take on labor and performance accounting, civilian payroll accounting, excess property disposal, personnel records, repair and utility cost accounting, medical reporting, telephone billing, and vehicle performance analysis.

The computer likes its problems immense. In the minute a clerk takes to add a column of figures, Univac makes more than 6000 calculations, repeating each problem as a self-check. Punched cards flow into the machine at the rate of 150 a minute. The sorter breezes through 800 cards a minute and the automatic printer makes the best typist look all thumbs by clicking out a hundred lines a minute.

Series E U. S. Savings Bonds bought during and after February, 1957 yield 3 1-4 per cent compounded semi-annually when held to maturity in 8 years and 11 months.

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TUESDAY & WEDNESDAY
DOUBLE FEATURE!



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"Have you heard about Walter? They took him to the hospital this morning."

"That can't be. I saw him last night, out dancing with a girl."

"So did his wife."

"My hair is falling out. What do you advise?"

"Keep up the fight. Either you or the hair will come out on top."

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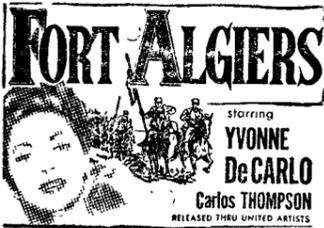
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REDSTONE WORKER OWNS COLLECTION OF 35 ANCIENT PISTOLS, RIFLES

Gordon S. Farrar, an equipment specialist in the Ammunition Branch of the Redstone Arsenal Field Service Division, enjoys his work in the field of developing new and revolutionary type guided missiles—but he has a hobby which is sort of an antonym to his work. Mr. Farrar's hobby is collecting antique guns.

He has over 35 guns in his collection, the oldest dating back to 1740.

Mr. Farrar is a native of Camden, Tenn., says that the rarest gun he now owns is a Navy Savage pistol. Only 11,000 of these pistols were made, on a special order by the Navy during the Civil War.

According to Mr. Farrar, the average cost of an antique gun ranges from \$15 to \$3,000 (for a Colt Patterson). He said that most gun collectors collect guns by name, i. e., Colts, Remingtons, Derringers, etc. The price of a gun is based more on the name than its rarity, he added. The Colt, he said, is the most sought-after gun.

Some of Mr. Farrar's guns include: A pair of flintlocks dating back to 1840; various percussion pistols made by Manhattan, Colt, Savage Arms, Smith and Wesson, and Allen and Wheelock; rifles of the Civil War period, including muskets and breech-loading muskets and carbines; and several guns of the old Tennessee, Kentucky squirrel rite and snogun percussion type.

A double-barrel Remington Derringer, which Farrar owns, is

of the same type which was used to assassinate Presidents Garfield and McKinley.

All the guns which he owns, according to Mr. Farrar, are in firing order and he enjoys shooting the pistols. He said he rarely uses the rifles; because of their age, there is a possibility of the barrels blowing up.

Mr. Farrar makes his own ammunition for the guns. The bullets are molded in a bullet mold and he buys black powder for the explosion. He also buys percussion caps and flint for the percussion and flintlock pistols.

He said his wife also enjoys shooting the ancient guns. He recalled a time out in Arizona during a state turkey shooting match which he and his wife attended. "All of those people really eyed us when we showed up with one of my old pistols. The other contestants had all kinds of expensive fancy guns and they laughed at our old pistol.

But they didn't laugh long. I didn't do too good, but my wife won third place and you should have seen those people flocking around to see our gun then."

Farrar began his hobby seven years ago, always having a love for history and antiques. He also collects old books and newspapers. His pride and joy is a two-volume book published by Harpers in 1866 and 1868 on the Civil War, which he traded from a junk dealer in Arizona. He also owns a New York Herald Tribune newspaper printed the day after President Lincoln was shot.

He has worked for the government for 12 years, starting at Milan Arsenal in Tennessee. From there, he went to the Navaho Arsenal in Flagstaff, Ariz. He came to Redstone from Navaho and has been employed here for the past two years. He resides with his wife at 112 Hills Street in Huntsville.

Farrar added that if anyone had any old guns or books they want to sell or trade—look him up.

The fire-detection system on a jet fighter 'sees' a 2,000 mile-an-hour bullet before it strikes and mothers a fire or explosion before it happens.



AT REDSTONE TEEN-AGERS CLUB DANCE — Members of the Redstone Teen-Agers Club swing and sway (or maybe rock and roll) at the club's first spring formal dance, held recently in the Youth Activities Building, T-161. Though a Spring formal comes but once a year, the Teen-Agers have something "cooking" every Friday night at their weekly meetings, from 7 to 11 p.m.

Indian Scout Huts Have No Use Now In Electronic Army

FORT HUACHUCA, Ariz.—The electronic-equipped Army is after all not so far removed in time from the Army equipped with Apache Scouts.

So thought many soldiers here

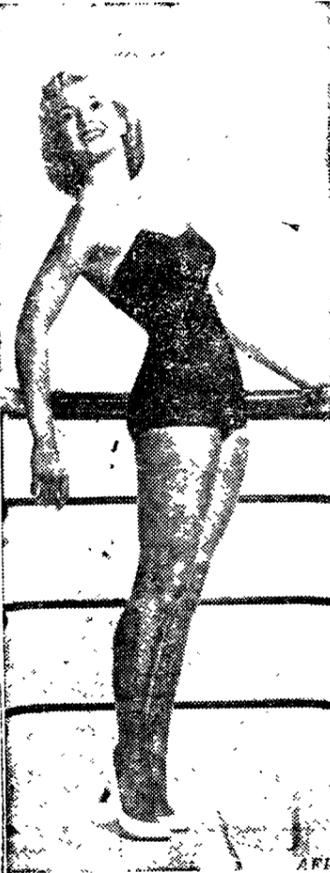
recently when Major John H. Healy, no ancient dodderer though now retired to a nearby ranch, paid the Fort a visit. He was commanding officer from 1924-27 of the Apache Scouts, a Regular Army unit formed in 1897 and attached to the Tenth Cavalry Regiment at "old" Fort Huachuca.

The Scouts were invaluable in military actions against renegade Apaches, outlaw whites, and Mexican bandits. Visiting the seven

abandoned adobe huts they had occupied and which were about to be turned over to the Fort's Boy Scout troop, Healy reminisced about the village's beginnings.

"The Apaches built the houses when they were ordered to vacate their tepees. But they showed their displeasure by pitching them inside the huts."

The "new" Huachuca is a proving ground for the latest electronic and meteorological equipment of the Army Signal Corps.



BEAUTY IN CROWD — Sandra Wirth, Miss Florida of 1955 makes her film debut in the role of a baton twirling champion in Warner Bros.' "A Face in the Crowd."

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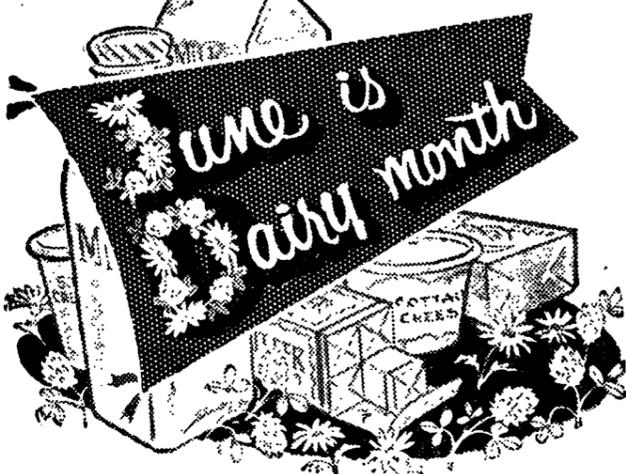
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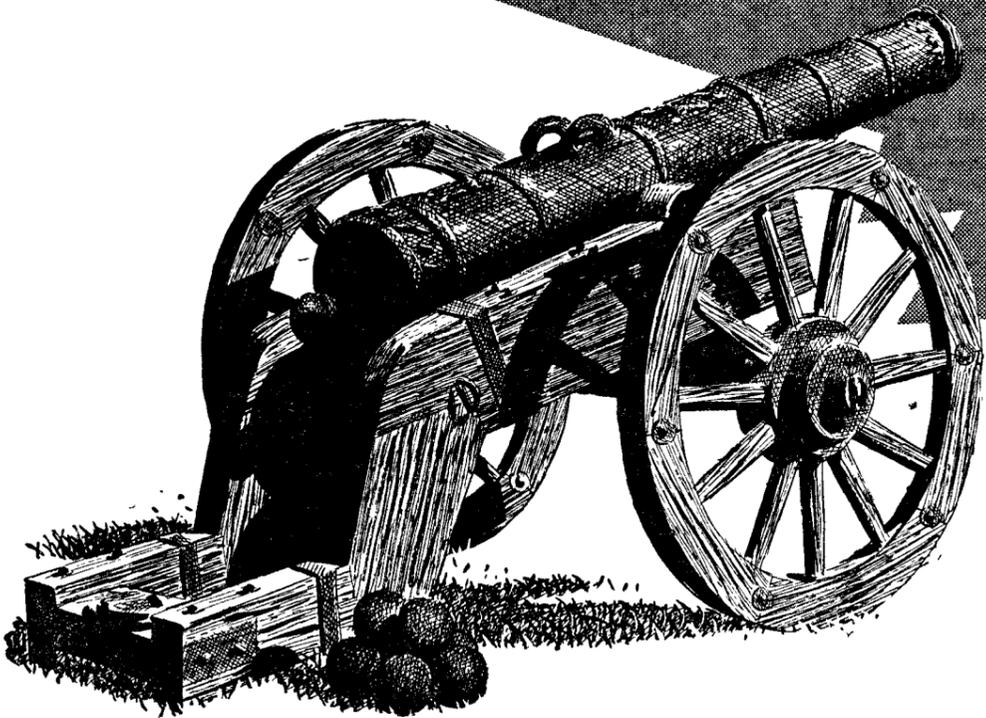
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DEALING
SPREE**

!



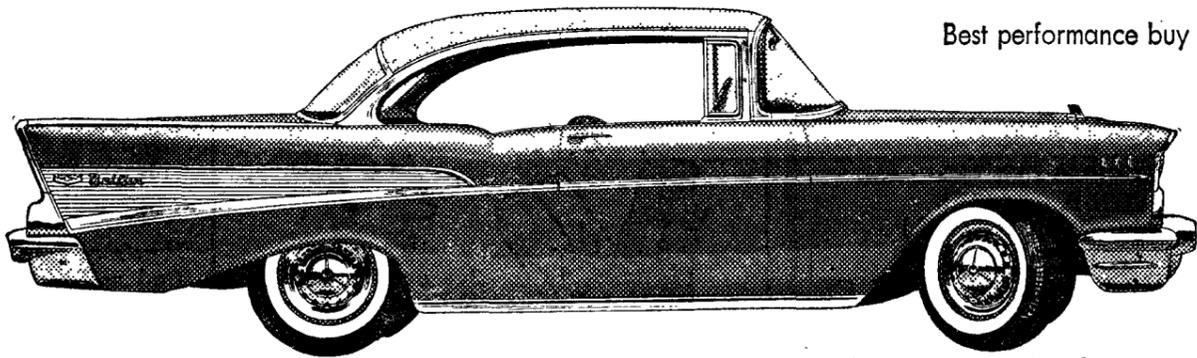
We're **TRADING** high regardless of your car or year!

MORE FOR YOUR MONEY

with Chevrolet the big winner!

We're coming up with **RED-HOT DEALS!**

Official overall winner at Daytonal Tops in its class
for driving qualities in rugged
Auto Decathlon!
Best performance buy in America!



'57 Chevrolet Bel Air Sport Coupe, sweet, smooth and hot!

Come in Now for the **WINNING DEAL** on the Champion!

See one of these courteous salesmen: Bob Broadway, Petty Brooks, Bill Bitting, G. C. Jones, Jess Shepard, Billy Reed, Willie Kilgore, Frank Patterson, Jim Rainey, G. B. Yarbrough, A. W. Hill, Jr.

HILL CHEVROLET COMPANY

222 Greene St.

Phone JE 4-4561

Army to Observe 182nd Birthday Fri.

The United States Army, oldest branch of our military forces, will observe its 182nd birthday Friday, June 14.

The Army was born in 1775 when the Second Continental Congress provided for 10 companies of expert riflemen to be called into service. The story of that Army's victories and setbacks during the next eight years is the tale of America's first as a free and independent nation. Though at times the entire Army has consisted of less than 100 soldiers, the United States has never been without an Army since.

Work at Redstone Arsenal on the task of development and training in the missile and rocket field will not slacken Friday, but several after-5:30-hours events will call attention to the Army's unbroken record of service.

An Army birthday cake will be cut at the Service Club at 9 p.m. Friday by the Arsenal's Soldier of the Month for May. He is Pfc. Robert M. Menke, Det. A, USAOA. The cake-cutting will be followed by a dance from 9 to 12. Bob Miller's orchestra will play, and 37 girls from the Birmingham Service Men's Organization will attend.

An informal dance will be held at the Officers Club Friday night, beginning at 9. All officers, their wives, and guests have been invited to dance to the music of Burlin Robbins. A giant birthday cake will be sliced to serve everyone present. The club is air conditioned.

The NCO Club will serve free refreshments from 4:30 to 5:30 p.m. Friday, and will have a cake cutting and dance Saturday night, June 15. Music will be by Burlin Robbins. The club will be decorated for the occasion. M-Sgt. Robert T. Gibbs, president of the board of governors, will cut the cake.

The 217th Field Artillery (Missile) Bn. will demonstrate handling the Redstone missile at the Redstone Army Airstrip at 7 p.m. Friday for reserve and National Guard troops from Huntsville.

You still get four dollars for each three you put away in Series E Savings Bonds, but you get it nine months sooner, in just 8 years and 11 months, beginning with bonds issued in February 1957.

"My wife and I had some words last night, but I never got a chance to use mine."



3 Clues To Better Grooming Visit

MONTGOMERY BARBER SHOP
PARKWAY CENTER
OPEN

10:00 A.M. to 9:00 P.M.
Monday Thru Saturday

Shoe Shine Boy
In Attendance

PROPULSION, AERODYNAMIC HEATING MAIN PROBLEMS IN DEVELOPMENT OF MISSILES, SAYS DR. STEURER

Development of powerful propulsion systems and the solution of problems connected with aerodynamic heating are the two major engineering projects involved in the development of intercontinental ballistic missiles and earth satellites.

This summary was presented to the Aircraft Industries Association meeting last week in Dallas, Texas, by Dr. Wolfgang H. Steurer, chief of materials research for the Army Ballistic Missile Agency.

Dr. Steurer's talk was a highlight of the luncheon at the Symposium on High-Strength, High Temperature Materials.

Man has reached a limit to expand his horizons on earth, Dr. Steurer commented. "There is only one way of widening our world — to reach for new worlds. For travel into space, there is one basic requirement, extreme speed."

The development of space travel, he said, will require painstaking and glamorous work of many decades. He sketched four necessary phases:

1. Simultaneous development for intercontinental ballistic missiles and unmanned earth satellites.
2. Introduction of intercontinental travel by means of rockets and launching unmanned rockets into outer space.
3. Development of manned earth satellites.
4. Development of spaceships and the first trip into space.

The extremely high temperatures involved in the technology of space flight, Dr. Steurer pointed out, create unprecedented concepts. Among these are: the use of metals to extreme temperatures for very short periods; new design principles, where a single material cannot provide the required combination of properties; the principle of expendability of vital parts in the ablation process; a functional role of materials in absorption of heat to reduce materials; creation of composite materials with artificial combination of properties; introduction of a new state of matter, "The Thermal Plasma."

"Thus," the speaker observed, "high temperature technology creates a revolutionary thinking in engineering which ultimately will provide the tools for man's greatest project, the conquest of space."

Dr. Steurer remarked that man is close to the first step, the launching of the ICBM and of the test-tube satellite.

Knowledge of high-altitude environment and establishment of confidence in rocket transportation will be preliminary to the decisive phase, he added, that of the manned satellite.

"From there to the planets will be only a small step, man will have found a greater and, let us hope, a more peaceful world."

The battered pedestrian picked himself up from the curb and shook his fist at the car that had just knocked him down:

"What's the matter — are you blind?"

"Blind?" snorted the woman driver. "I hit you, didn't I?"



SAFETY LIMERICK—Shown above is W. R. Dunlap, Chief, Operations Services Department, Thiokol, accepting a safety limerick entry from his secretary, Mrs. Barbara Plonka. Fifty-five entries from Thiokol were sent in for the contest sponsored by the National Safety Council.

55 Thiokol Employees Enter National Safety Limerick Contest

"Employees of the Thiokol Chemical Corp. don't overlook a single chance to give safety a boost", according to W. M. Mebane, general manager of Thiokol's Redstone Division.

As an example, Dr. Mebane said the Thiokol people showed unusual interest in the Safety Limerick Contest announced in the May issue of the National Safety Council's Industrial Supervisor. Ten dollars is offered as first prize for the best "last line", and there are 15 runner-up prizes for \$1 each.

The unfinished limerick, with the contest rules were reproduced and distributed to Thiokol personnel. Fifty-five entries were turned in within three days.

All of these were mailed to the National Safety Council in Chicago for judging. The winners will be notified sometime this month.

If a Thiokol employee is a winner, extensive publicity is planned to mark the achievement.

Dr. Mebane stated that the limerick contest is really a kickoff for a new monthly Safety Slogan Contest for Thiokol employees. Ten dollars will be awarded for the first place safety slogan submitted each month. Second and third-place winners will be given "honorable mention." All Redstone Division employees are eligible, except Safety Services personnel and members of their families. The first contest will be for June. Rules have been posted on all safety bulletin boards.

On May 29th, employees of Thiokol's Redstone Division had worked 84 consecutive days representing 559,667 manhours, without a lost-time injury. "This proves," said Dr. Mebane, "that an excellent safety attitude is paying off as we approach another record one million injury-free manhours. However, I'm confident that our people are fully determined this time that the record will be increased from day to day after the goal is reached."

Dwelling on Post Declared Surplus, To be Sold by Army

Col. Harold E. Bisbort, Army District Engineer at Mobile, has announced that a one-story frame dwelling with garage, located at Redstone Arsenal, has become surplus to the needs of that installation and is being advertised for sale.

The house, which has been used as a Staff Officers residence, has a floor area of approximately 1,476 square feet, and the garage has an area of 324 square feet with two small sheds. Property installed in the house consists of a 36-inch attic fan, a 52-gallon water heater, a hot water boiler, twelve radiators, a double compartment kitchen sink, and plumbing and lighting fixtures. Col. Bisbort said that the structure and installed property are being offered for sale on an "as is, where is" basis, and that removal must be completed on or before Aug. 23, 1957.

Necessary forms for bidding on the property may be obtained and arrangements for an inspection may be made by contacting the Corps of Engineers Area Engineer or the Post Engineer at Redstone Arsenal, or the Chief of the Real Estate Division in the Engineers' District offices at Mobile.

Bids must be submitted to the Army Engineers at their offices on Grant Street in Mobile, not later than 2 p.m. on June 20, 1957, at which time a public bid opening will be held.

Today's issues of Series E Savings Bonds have higher cash values in their earlier years. At the end of three years they yield 3 per cent, compared to 2 1-4 per cent for E bonds dated prior to February, 1957.

THE SPOTLIGHT IS ON DAD

Cool Sport SHIRTS

Short Sleeves - Broad-cloths - Cool Skip Dent - S-M-L.
Get Dad On The Cool Side Of The Casual Scene — Hot Weather Ahead.

\$1.00



SPECIAL!

LEATHER BELTS



REG. \$1.50 VALUE

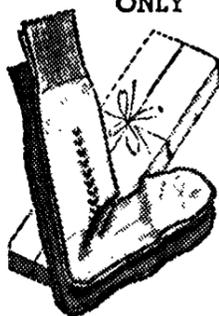
Dad Will Love One Of These — We Have A Belt That Will Go With Any of Dad's Outfits. See Our Wide Selection!

89¢

S-T-R-E-T-C-H NYLON SOCKS

ONLY

49¢



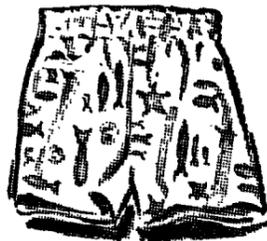
See our huge selection of handsome socks. You're sure to hit it exactly. Designs and colors to suit every taste to perfection.

SHORTS FOR DAD

Sizes 30 to 42

69¢

Here's quality Dad will recognize, cool cotton double stitched shorts.



ATHLETIC SHIRTS TO MATCH!

LOOK..

FOR AS LITTLE AS \$19.95 PER MO. BEAT THE HEAT WITH A CENTRAL COOLING SYSTEM BY (INTERNATIONAL.)

- *INSTALLED IN NEW OR OLD HOMES,
- *INSTALLED IN ATTIC, CLOSET, CRAWL SPACE, OR BASEMENT.
- *SYSTEMS INCLUDE, DUCT-WORK, DIFFUSERS, ELECTRICAL-WORK AND TESTING.
- **NO DOWN PAYMENT
- **3 YRS. TO PAY
- *5 1/2% INTEREST.
- *INSTALLED IN 2 DAYS
- *1 YEAR FREE SERVICE
- *5 YEAR WARRANTY



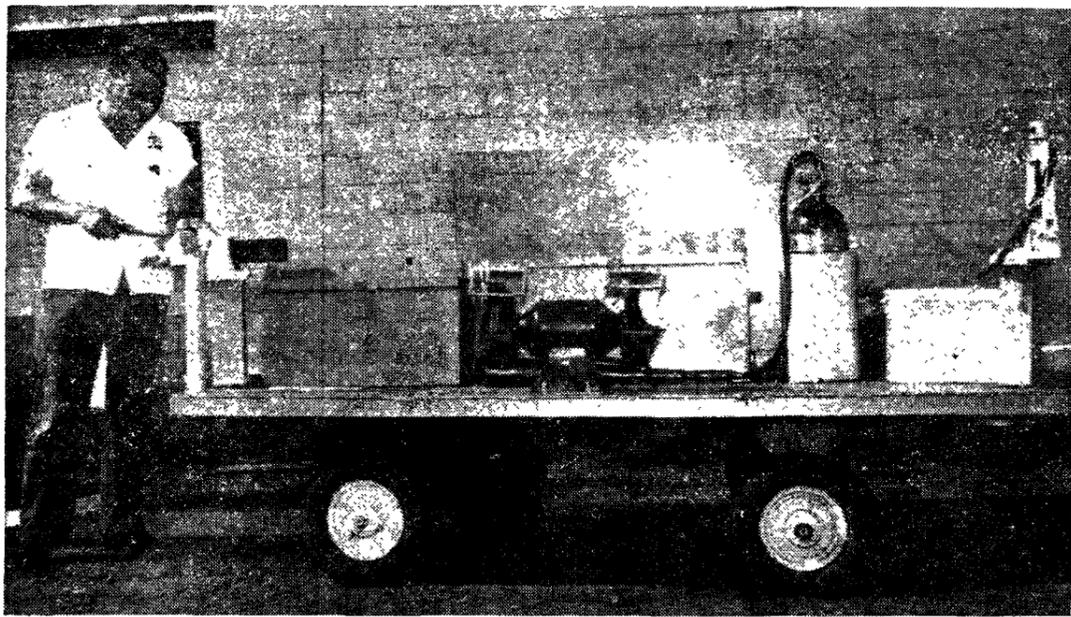
BAMAELECTRIC FURNACE CORP.

1225 Meridian St. JE 2-2469
CARLOS PRIEST, Mgr.

East Side of Square

McLellan's
SUPER VARIETY STORES

No. 3 Parkway Shopping Center



NEW UTILITY WAGON—Freeman L. Knight, Lead Foreman of the Plumbing and Steamfitting Maintenance Sub-Unit, ABMA Section, Shops and Services Branch, Post Engineer Office, is shown with his improved method of transporting tools required for plumbing and steamfitting maintenance. Knight applied the techniques learned during the Redstone Arsenal Methods Improvement Course in designing and fabricating the utility wagon.

Knight Devises New Utility Wagon for Moving Equipment

Freeman L. Knight, lead foreman, Plumbing and Steamfitting Maintenance Crew, ABMA Support Section, Shops and Services Branch, Post Engineer Office, has devised a new utility wagon used for transporting plumbing and steamfitting tools and equipment from one job-site to another.

Knight applied the techniques learned during a recent Redstone Arsenal Methods Improvement Course given by the Management Improvement Branch, Management Division, in designing and fabricating the utility wagon.

The use of the utility wagon eliminates 1,170 non-productive manhours annually required to load the tools and equipment into a truck each morning and unload them at the end of the day. This was a laborious task, as some of the items weighed several hundred pounds.

To preclude any possibility of the tools and equipment getting lost or misplaced, the tool boxes, pipe vice, table vice, bench grinder, pipe machine and pipe welder are all welded to the floor of the wagon.

Every minute detail was considered in designing and fabricating the wagon to provide maximum operating efficiency even to an electric power connection for operating the motor driven machines. Just as an added precaution, a spare tire is mounted under the floor of the wagon to permit a quick change in case of tire trouble. Weather proof metal co-

At The Service Club

BY MARTY GATES

Aside from the regular activities we have two big programs planned for this week. Friday night, June 14, there will be a dance honoring the Army's 182nd birthday. Special recognition will be given the "Soldier of the Month." The Service Club will be host to the young ladies from the Birmingham Servicemen's Organization for the dance. Bob Miller and his orchestra will furnish the dance music from 9 to 12. So! We hope all of you will plan to attend and help us all have a good time.

Father's Day, June 16, is being measured with an open house, starting at 2 p.m. Winners of the "Papa's Pride and Joy" Contest will be announced and prizes will be awarded. All of you "Proud Papas" get those photos in to us before Friday.

We'd like to urge you all to support the baseball team this season. This evening at 7 o'clock the Rockets play Robin AFE here. Be sure to see the game. Saturday and Sunday, Ft. McClellan will be here, so let's have a real baseball weekend. Support the team!!

Don't forget BINGO on Monday nights at 8 o'clock. Come in and win some of the nice prizes. Maybe you'll even win a tie to wear to the dance.

The time does fly, doesn't it? Here it is vacation time again and everyone is getting ready to go on leaves, three-day passes and such. If you need any help with plans, stop in and we'll give you a few tips. So--- have fun and ya'll come.

MARTY

Buying U. S. Savings Bonds, Series E or H, helps the whole economy as well as your own. These bonds when held to maturity yield 3 1-4 per cent on the new issues beginning with February 1957.

vers are provided for the tools and equipment to enable the utility wagon and its contents to be parked outside.

The 1,176 manhours saved per year by the improved method amounts to an annual benefit of \$2,529.12.

Knight comments from a safety standpoint that the improved method has reduced strained backs and injured fingers and hands to a minimum in his crew.



ABMA GUARD OF THE MONTH—Joseph R. Hvatt (left), one of the ABMA Civilian Guard Force, receives a plaque from Lt. Col. J. S. Killough, ABMA Intelligence and Security Officer, awarded to the ABMA Guard of the Month. The award is presented to one civilian guard each month who is selected as outstanding in general performance of duty. Hvatt represented Co. B. of the Civilian Guard Force.

Jill: "But there are so many other jobs where you can meet men." **strapped down."**

Jane: "Maybe so. But not

Read the Wantads

IT'S ALL YOURS THIS WEEK ONLY
at **SOUTHERN**

BIG, BIG \$60 SAVINGS!



See these fine **FRIGIDAIRE**

features on America's "Thinkingest" Thriftiest Range!

- New Thinking Panel frees you forever from tending and timing.
- Giant Thrifty Oven has waist-high Broiling Unit, holds the biggest turkey you'll ever buy.
- Cook-Master Oven Control—easy to set as your watch. Entire oven meals cook automatically.
- Wonderful Frigidaire Quality—inside and out. All-steel construction.
- Sheer Look Styling—newest appliance design in a decade!

Gold Tag Value **WAS \$259.95**
Ours **\$199.95**
Price
and your old range

ASK ABOUT Color for the price of white!

Hurry! Hurry! Act today!

SOUTHERN FURNITURE CO.

NO. 1 WEST SIDE SQ.

PHONE JE 6-3971

LOTS for SALE!
1 1/2 and 2 Acres Ea.
10 MINUTES FROM 3 ARSENAL GATES
WATER, EACH LOT
REASONABLE TERMS
If Desired
PHONE 55
MADISON, ALA.

LOANS!!

"Fastest Loan Service in Town"

MONEY IN 10 MINUTES

LOANS MADE ON YOUR SIGNATURE TO MEN AND WOMEN THAT HAVE REGULAR JOBS AND SALARY

LOCAL FINANCE COMPANY

111 EAST HOLMES STREET

(Across Street From Post Office)

H. E. Hilliard — Phone JE 4-1671 — Huntsville

WANTADS

ROOMS FOR RENT—Single and double for men with good habits, completely and newly decorated, economically priced. Central Y.M.C.A. Dial JE 4-7131. tfc

FURNITURE & APPLIANCE BARGAINS

Drive out and see our display of quality home furnishings at wholesale prices. Our low overhead permits us to give you extra discount savings. Ask about our easy pay plan. Furniture Outlet Store, Meridianville, Ala., Phone JE 6-6857. Out-a-way — Less-to-pay tfc

JOHNSON SEA-HORSE Sales and Service, boats, trailers, marine accessories, used outboard motors, easy terms. AUTOMOTIVE PARTS CO., 610 Meridian St., phone JE 2-5654. tfc

MODERN HEALTH Club Services — Central YMCA, 203 South Green St. is offering massages, turkish baths, electric heat cabinets, ultra-violet and infra-red lamps, diathermy, sun lamp, swimming pool. Graduate Masseuse in charge. Phone JE 471-31. tfc

FOR SALE — Phonograph-radio combination, also will trade cabinet type sewing machine for comparable portable. Phone JE 6-2779. ttp

FOR SALE — 35-ft. house trailer, 1957 Nashua, like new. See Tuesday through Friday at Fleming Meadows sub-division or phone JE 4-4946 and ask for Hunt. tfc

FOR SALE — 314 W. Oakwood Ave., Huntsville, Ala. Three bedroom house, can be used as an apartment house, three rooms on one side and two on the other. Lot 80x331. Asbestos siding and car port. Large screened porch. \$8,500.00. Reason for selling going back to N. J. ttp

GOOD BUYS

SEVENTH AVE. W. — Nice 2 bedroom house, with bath, and fireplace in living room. Has brown shingles. Near shopping area. High school and elementary school. Priced at only \$6950.00. IMMEDIATE POSSESSION.

513 WOODMONT — (Blossomwood) Very nice 2 bedroom frame home in wonderful location. Priced at only \$12,800.00. Be sure and see this one.

714 MEADOW DR. — (Terry Heights) 3 bedroom home REDUCED for quick sale. Only \$12,950.00, \$65.80 per month. Now on a 4 percent loan.

117 ARLINGTON — (Cloverdale) 2 bedroom home. NO CLOSING COSTS. Pay only \$2,150.00 and move in. Monthly payments only \$62.25.

GENE BLOCKER

Real Estate & Ins. Co.
221 Uptown Bldg.
Phones JE 6-6331 - JE 6-6332

809 CERTIFICATE HOLDERS

Visit

THE HIGHLANDS

3 & 4 BEDROOMS, 1½ ceramic tile baths, natural gas forced air heating system. 1 & 2 car garages, and all brick veneer construction. Office in subdivision open every day, 7 days a week. Located only 2½ miles from Court House, and only 2½ miles from arsenal.

GO NORTH on Memorial Parkway to Oakwood Road, turn left, and go 1½ miles until road makes right turn — we will remain open until dark. Prices start at \$15,000.00

Call or write for fee brochures

GENE BLOCKER

Real Estate & Ins. Co.
221 Uptown Bldg.
Phone JE 6-6331 or JE 6-6332

FOR SALE — 1957 Magnolia house trailer, 32 ft. 3 bedroom. GE washer, GE refrigerator, air conditioner, TV tower. Will sell for small down payment and transfer balance. Reason for selling leaving town. Phone JE 2-2122 between 8 a.m. and 6 p.m. weekdays. ttc

FOR RENT — to two ladies, large, comfortable combination bedroom-living room, private entrance, share bath with working couple. Phone JE 2-3297 after 6 p.m. ttc

FOR SALE — 1956 Chevrolet 210, 4 door, radio, heater, tinted windshield, power glide, 2 tone green paint, contact Earl Hoffer, Redstone extension 30-65. ttc

FOR SALE — Boat trailer, large wheels with frame in back to support motor, winch, will support up to 18 ft. boat. Ogden McAnally, phone JE 4-6672 after 5 p.m. ttc

TRAILER SPACE AVAILABLE at Uptown Trailer Court, Decatur, Ala. Convenient to churches, schools, business district. Wiring adequate for any kind of electrical appliance. Contact

FOR SALE — 2 corner wooded lots, 140x140 ft. each, Mountaintop, all city utilities and TV cable, terms available. Phone JE 4-4855 from 5 til 7. ttc

ENOCH POOLE, P. O. Box 239 Decatur, Ala. ttc

FOR SALE — 42½ acres, new 4-room house with unfinished bath, barn, good well. Near Pines in east Morgan County, 20 miles from Redstone. Real nice. \$6,500. Write C. J. KEYES, RFD 2, Somerville, Ala. ttp

Gen., Mrs. Toftoy Return From Florida

Maj. Gen. and Mrs. H. N. Toftoy returned from Casey Key, Fla., last Wednesday night.

Gen. Toftoy, commanding general of Redstone Arsenal, is on convalescent leave following surgery at Walter Reed Hospital in Washington. He will return to the hospital for a check-up before returning to duty in July.

The general said he is feeling much better.

A U. S. Naval force landed in Panama April 15, 1885, to protect American interests during an uprising.

Wantads Get Results

E&W GOLDEN SEAL BLANKET

LAY-A-WAY

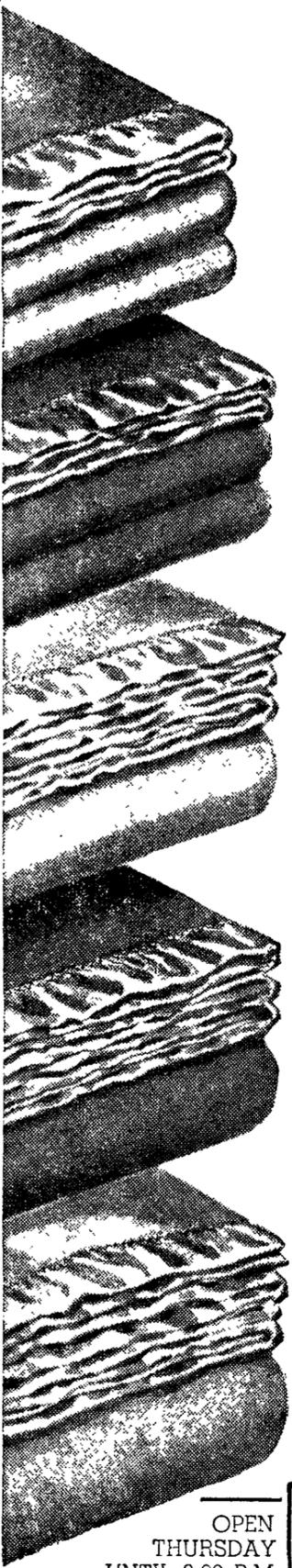
SALE

EVERY BLANKET EXCLUSIVELY DESIGNED
Bright, new, bold, soft and pastel colors. Blankets lavishly bound with rayon acetate or miracle fabrics. Choice of blended wool, rayon, nylon, orlon and cotton blends. Each blanket expertly made, superior quality.

SELECT TODAY!

YOU HAVE MONTHS TO PAY!

A little down, a little each month, and these beautiful blankets are yours when you need them. Many more in this sale not listed in this ad. All blankets described herein are of new wool . . . not reprocessed or re-used wool.



Lifetime 50% Wool — 50% Orlon BLANKET

SIZE
72x90



SOLID COLOR
FOR
DOUBLE
or
TWIN
BEDS

It's "Sizeset" Springfield's exclusive process . . . your positive protection against shrinkage. Bound with a 7 inch nylon binding to match luscious new pastel colors of pink, light blue, yellow, white, spice and sea-foam green.

\$11.95

PRIMROSE "BUD-'N-BOWS"
TRULY A DECORATOR'S DREAM
of a
RAYON and NYLON BLEND

BLANKET

Full 72x90 size. Fits twin or full size beds. Sno-white, soft downey, winter-weight blanket. Hand screen printed sweetheart roses tied in ribbons and bows of pink, yellow, blue or green on white ground.

\$9.95

Washes Beautifully
— MOTHPROOF —

LUXURIOUS MAGIC in this
ORLON & RAYON

BLANKET

SOLID COLOR SINGLE
72x90 For DOUBLE or TWINS

A blend of nylon and orlon, which has been treated to prevent moth damage. Luxurious full 3¼ lb. weight. Each blanket bound with a 7 inch new exclusive "Durabloom" binding, the lustrous fabric that outwears ordinary bindings two or three to one. Individually boxed.



RAYON-COTTON AND NYLON

SOLID SINGLE
COLOR

BLANKET

Full bed size 72 inches by 84 inches. Bound with a 4 inch acetate satin binding. Matching beautiful colors of rose, light green, blue, tangerine, yellow and harvest. Each blanket Vitafilm wrapped.

\$3.69

8 BEAUTIFUL
COLORS: Pink,
Rose, Light
Green, White,
Yellow, Light
Blue, Turquoise
and Brown.

\$8.98

DIRECT MILL PURCHASE MAKES THESE PRICES POSSIBLE

STOCK UP NOW AT THESE SENSATIONAL LOW PRICES!

DUNNAVANT'S

SHOP
NOW
AND
SAVE

YOUR COMPLETE SHOPPING HEADQUARTERS FOR QUALITY MERCHANDISE SINCE 1914

OPEN
THURSDAY
UNTIL 8:00 P.M.