

The Redstone Rocket

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VOL. IX; NO. 52

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

MAY 10, 1961

Gala Armed Forces Day Celebration Is Planned

Gen. Bigelow to Be Principal Speaker

The Deputy Chief of the Army Ordnance Corps, Maj. Gen. Horace F. Bigelow, will be the principal speaker at an Armed Forces Day dinner in Huntsville on May 19.

The announcement was made by Mr. Walter Linde, Chairman of the City of Huntsville Armed Forces Day Committee.

The dinner will be held under the auspices of the City of Huntsville. Linde is in charge of arrangements.

Gen. Bigelow, a native of Boston, Mass., is a graduate of West Point, the Army War College, and the Command and General Staff School at Ft. Leavenworth, Kan.

During World War II, he was named chief ordnance officer of the Peninsular Bay Section and Allied Forces Headquarters in Italy.

Now serving in the Pentagon as deputy to Lt. Gen. J. H. Hinrichs, Chief of Ordnance, Gen. Bigelow has been Ordnance Officer for the 102d Infantry Division, the XVI Corps, Hq., Second U. S. Army; executive officer of Aberdeen Proving Ground, Md.; commander of Letterkenny Ordnance Depot, Chambersburg, Pa.; Ordnance Officer, Hq., U. S. Army Forces in the Far East, and G-4 (Supply), Hq., U. S. Army in Japan.

Gen. Bigelow will address the dinner to be tendered by the Huntsville Armed Forces Day committee at the Huntsville Country Club. The day following, he will be present in the reviewing stand to witness the Armed Forces Day Parade.

On the afternoon of Armed Forces Day, Redstone Arsenal will throw open its gates to thousands of visitors expected to stream into Huntsville in time for the one o'clock commencement of activities.

These include open house in the headquarters of the Army Ordnance Missile Command, and its subordinate elements, the Army Ballistic Missile Agency, and the Army Rocket and Guided Missile Agency.

A tent city will contain exhibition booths with displays by contractors doing business with AOMC elements. Missile and rocket firings, held on a regular schedule, will highlight the day.

Sec. Stahr Congratulates Army on Contribution to Successful Space Flight

The Secretary of the Army Friday commended personnel of the Army Ordnance Missile Command for a substantial contribution to the successful space flight of the Free World's first Astronaut.

Elvis J. Stahr, Jr., in a message to Maj. Gen. August Schomburg, Commanding General of AOMC, said:

"Please extend my congratulations on behalf of the entire Army to all members of your command, both military and civilian, whose efforts in the development of the Redstone, contributed substantially to the success achieved today in placing the first Free World Astronaut in space."

A modified version of the Redstone was used to loft Astronaut Alan B. Shepard, Jr., on his historic flight.

General Schomburg, in a message to AOMC personnel, said:

"I want to add my personal congratulations to all personnel who had a part in the development of the Redstone." (See SEC. STAHR on Page 2)

Army Will Buy Entac System

Antitank Missile Will Be ARGMA's Responsibility

An Army decision to buy the Entac guided missile system for use against enemy tanks was announced today by the Department of Defense.

Maj. Gen. August Schomburg, Commanding General of the Army Ordnance Missile Command, said the Army Rocket and Guided Missile Agency, will be commodity manager of the system.

AOMC will act as weapon system manager. The Command is also manager for the SS-10 missile, which the Entac will replace.

Dollar value of the procurement will be announced when a contract is awarded.

The Entac, a French-Army development is small, light, and suitable for use by the Infantry. The missile is directed to the target.

Transportation Week Is Being Celebrated

The Transportation personnel of the U. S. Army Ordnance Missile Command, Redstone Arsenal, and NASA will join with the Transportation industry of the City of Huntsville and the surrounding area in observance of National Transportation Week May 15-19.

This week is set aside to focus attention on the Nationwide transportation industry and honor the multitude of men and women concerned in America's transportation.

Ordnance Birthday Is Next Sunday

There is a birthday observation coming up Sunday which I would like to bring to the attention of civilian and Army personnel at Redstone Arsenal.

Our U. S. Army Ordnance Corps is 149 years old. We officially came into being by an Act of Congress in 1812. The name was the Ordnance Department at that time, being changed to Ordnance Corps in 1950.

Eli Whitney laid the foundation for today's modern weapon systems when he proved to the world that it was possible to manufacture a series of interchangeable parts and assemble them into a musket.

The Ordnance Department started out with a handful of wheelwrights, carriage makers, blacksmiths, laborers and four clerks.

Today almost 144,000 soldiers and civilians assigned to the Ordnance Corps encircle the globe to assure that our combat troops are in full 100 percent fighting shape with weapons and vehicles. Their specialties are in such fields as aero-ballistic engineering, propellant technology, data computation and value analysis.

Regardless of the requirement, for nearly a century and a half the Ordnance Corps has been "arming" the Army and I think it appropriate for us to pause long enough on this birthday to remember some of the illustrious contributions the Corps has made maintaining and advancing the American way of life.

AUGUST SCHOMBURG
Major General, USA
Commanding

Army Announces Bids For Patton Overpass

Proposed Site Is Intersection At Martin Road

The Army May 8 asked for the construction of an overpass at the busiest road intersection on Redstone Arsenal.

Contractors were asked to bid on a proposal to carry Patton Road, the main north-south road on the Arsenal, over Martin Road, the main east-west route now being extended to form a new Arsenal access to U. S. Highway 231.

Upon completion of the extension now under construction, Martin Road will run east-west across the entire Arsenal. The headquarters of the U. S. Army Ordnance Missile Command, the Army Rocket and Guided Missile Agency, the Army Ballistic Missile Agency and the George C. Marshall Space Flight Center are all located on Martin Road.

Army Engineers at Mobile have asked for bids to relocate 2,000 feet of railroad which now parallels Patton Road to the east, construct a concrete and steel overpass 168 feet long carrying a 28 foot roadway, building a storm drainage system and constructing asphalt concrete approach roads on Patton Road with connecting legs to Martin Road and installing two crossing signals.

Bids for the work will be opened at the Corps of Engineers district office, 2301 Airport Boulevard, Mobile, at 11 a.m. CST, June 1.



FRIENDLY VISIT—Maj. Gen. Holger N. Toftoy, U. S. Army (Ret.) left, visited Maj. Gen. August Schomburg, the commanding general of the Army Ordnance Missile Command, recently. From 1954 to 1958, Gen. Toftoy was commanding general of Redstone Arsenal, before AOMC came into existence. Now living at 11870 Fifth St., E., Treasure Island, Fla., Gen. Toftoy was instrumental in bringing to the United States the von Braun team who formed the nucleus of the Army team that achieved an impressive list of "firsts" in rocketry.

'Old Reliable' Lofts First U.S. Astronaut

Antimissile Research Advisory Council Meets At Colorado Springs

Over 400 leading scientists and engineers of the Anti-Missile Research Advisory Council began a three day session in Colorado Springs, Colo., Monday. This is the 11th meeting of the council.

Chairman of the AMRAC, Dr. Nils L. Muench, chief scientist of the Army Rocket and Guided Missile Agency, said the meeting is being held to review and exchange data on anti-missile research programs.

Representatives from the United States, United Kingdom, Canada and Australia will be among the scientists and engineers engaged in work related to active defense against inter-continental ballistic missiles attending the meeting on the campus of the United States Air Force Academy.

The AMRAC meeting is sponsored by the Advanced Research Projects Agency of the Department of Defense through ARGMA.

Opening remarks at the meeting (See ANTI-MISSILE on Page 2)

Army Is Proud Of Redstone's 'Firsts' Record

Ask any Army missilemen. He'll tell you he never doubted it could be done.

He'll also tell you that "Old Reliable" was the one to do the job.

He may even express his amazement that anyone would question Redstone's ability to send the first American astronaut on a successful journey through space.

The international importance attached to the Mercury astronaut program dictated that there be no "calculated risk" in any step of the first attempt.

It simply had to be successful. Thus, the choice of the Army's time-tested Redstone as the vehicle to provide the initial boost for American's first manned space flight.

In a business where periodic failures, though expected, are exceedingly frustrating - and expensive - the Redstone is a story of unmatched success.

It has been for several years, and continues to be, the Army's "Sunday punch" ballistic missile. Its list of "firsts" is long and impressive.

The list would be even longer (See OLD RELIABLE on Page 16)



REDSTONE BOOSTERS—Dr. Wernher von Braun, Director of the George C. Marshall Space Flight Center, and Maj. Gen. John A. Barclay, Deputy Commanding General of the Army Ordnance Missile Command, were principal speakers at the spontaneous demonstration in downtown Huntsville Friday celebrating the successful space flight of the Free World's first astronaut. Referring to a reporter's question about what insurance the astronaut carried, General Barclay said in part: "He was riding atop the only insurance or assurance he needed . . . the Army's "old Reliable" Redstone.

The Redstone Rocket

The Redstone Rocket is a privately owned newspaper published every Wednesday at no expense to the Government by Jack W. Hoffhaus, Hartselle, Alabama, with exclusive regard for the reader interests of personnel at Redstone Arsenal, Alabama, in accordance with an agreement between the publisher and the Public Information Office, Army Ordnance Missile Command, Redstone Arsenal, Alabama.

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You Are Doing A Man's Job

The soldiers' job, regardless of grade, requires a man who is physically, educationally and psychologically fit. No other profession or calling places higher demands on the individual than does the military service. Whether the soldier is a member of STRAC and ready to move anywhere in the world on a moment's notice, or working as a laboratory technician, clerk or mechanic, his job is essential.

Without you—and the thousands of men like you who make up our Army—it is not likely that this country could long remain free and independent.

Our freedom has not hung more dangerously in the balance since the precarious days of the American Revolution, when a handful of incredibly dedicated and daring men fought for and won our independence. Just as our Army today, these soldiers of our small but determined Continental Army came from all walks of life, to defend liberty and freedom.

The freedom won by the Continental Army, and which soldiers of every succeeding generation of Americans have defended, is being threatened today by forces and threats of imperialistic communism, and these threats and forces to this and other nations have generated the "cold war" that exists throughout the world today. It would be more realistic if it were called a "war of survival," for certainly our freedom is at stake.

Your job then is indeed vital to our national security because you stand directly in the path of communist imperialism. Your presence in the Army along with your fellow soldiers contributes immeasurably to our strong deterrents to aggression anywhere in the world. You are serving your country with honor, which is a man's job; one which must be done; one in which you can take great pride; and one which holds the respect of the general public which recognizes your importance. No one would ask more than that.

PAUL D. ADAMS
Lieutenant General, USA
Commanding General
Third United States Army

SEC. STAHR

(Continued From Page 1)

ment of this famous product of ours. Again the Army's "Old Reliable" Redstone has added another first to its long list of achievements.

"I am sure that every member

of the AOMC family shares my deep feeling of pride in today's accomplishment and joins with me in a heartfelt Army salute to Dr. Wernher Von Braun and all our neighbors at the George C. Marshall Space Flight Center, as in the past, the Free World's trail blazers in space."

OFFICERS FROM 8 COUNTRIES VISIT

Iranian Officer Is Group Leader

High-ranking officers in armies of eight foreign countries visited elements of the Army Ordnance Missile Command and the Ordnance Guided Missile School, Monday.

Headed by Brig. Gen. Ghassem Beharvand, Chief of the Ordnance Department of the Iranian Army, the group departed Tuesday to visit White Sands Missile Range.

Traveling under the auspices of the Department of the Army, the group consists of 14 visitors.

Austria is represented by Lt. Col. Karl Ruby; France, by Col. Albert L. Pourquet; Honduras, Capt. Carlos R. Pineda; Indonesia, Lt. Col. Hadi Soeyatno, and Lt. Col. R. Soeciarto; Iran, Brig. Gen. Beharvand, and Maj. Hedayatollah Behzadi; Italy, Lt. Col. Arnalde Calabresi, Maj. Alessandro Nascimbeni, and Maj. Manlio Sidi; Paraguay, Brig. Gen. Smdulfo Perez Moreno, and Maj. Moises E. Zapattini; and Thailand, Col. Manap Lamboonyarit, and Lt. Col. Praviang Chantasri.

The tour director is Maj. Fred E. George.

ANTI-MISSILE

(Continued From Page 1)

ing will be made by General L. S. Kuter, USAF, who is Commander-in-Chief, North American Defense Command. NORAD will also act as the host for the meeting.

Administrative arrangements for the 11th AMRAC meeting are being handled by W. E. Kirpatrick, of Research and Development Operations of ARGMA. Other ARGMA participants include Frank Vann, Dr. David D. Woodbridge, Elbert J. Little, Jr., Rex B. Powell and Charles Buist.

Also D. E. Rowe, Ralph L. Edwards, Thomas A. Barr, Jr., H. A. Clickenbeard, Ronald L. Easley, Capt. H. C. Au, and Capt. Peter C. Kostoff.

WEEK

(Continued From Page 1)

tation system.

Activities during the week sponsored by the Huntsville Chapter of the National Defense Transportation Association will include: displays in the lobbies of the headquarters of USAOMC, ARGMA, and Redstone Arsenal. A static display of air and surface transportation units is planned at the Huntsville Municipal Airport.

National Defense Transportation Day Friday, May 19, will climax Transportation Week and support and complement Armed Forces Day observances on May 21.

High Powered Radar Is To Be Produced for Nike

New Equipment Will Be Discriminating In Finding Target

WASHINGTON, D. C. — New high powered radar in production for the Army's surface-to-air Nike Hercules missile system will reach out substantially in excess of the present system for enemy aircraft the Department of Defense has announced.

Lt. Gen. Robert J. Wood, Commanding General of the U. S. Army Air Defense Command, said the equipment is 10 times more discriminating in target detection than present operational radar.

The improved Nike Hercules system incorporating the new high powered acquisition radar and the target ranging has been completed and is now in production. The required construction for installation of this new equipment is currently taking place at Nike Hercules sites in the United States.

Engineering feasibility demonstrations and other tests already have been made with the equipment. During the summer of 1960, a Nike Hercules using the new radar, intercepted and destroyed an incoming Corporal ballistic missile high over the desert missile range at White Sands, New Mexico. This was the first known kill of a guided ballistic missile by another missile.

In another demonstration in August, the Nike Hercules blasted another Hercules out of the sky 11 miles above White Sands. Then in September, a Nike Hercules using improved radar destroyed another Hercules at an altitude of about 19 miles. It was the highest known kill of a fast moving missile target.

The second Nike Hercules was used to provide a high performance target and was part of the Army's progressive stepped up program to test the system capability of the Hercules, Gen. Wood said. Combined speed of the two

missiles was seven times the speed of sound.

The Nike Hercules currently operational as an air defense weapon is a second generation Nike missile. Newer and larger than the first air defense Army guided missile, Ajax, Hercules' range is in excess of 75 miles. Its altitude capability is greater than 20 miles.

Deadliness of the missile is attested to by the fact that it is capable of destroying any known manned aircraft or airbreathing missile.

The new radar is being built by the General Electric Company's Heavy Military Electronics Department, Syracuse, N. Y.

ENTAC

(Continued From Page 1)

get by an operator who maneuvers a stick to give the appropriate correction command transmitted through fine wires played out from the missile as it flies to the target.

The word Entac is a contraction of the French identifying description, ENgin Teleguided Anti-Char.

The missile and its launcher weigh 37 pounds; the missile in flight weighs 27 pounds. It carries a shaped charge warhead designed for maximum effectiveness against armor, and utilizes a solid propellant rocket motor.

As Entac equipment becomes available, the presently used SS-10 will be phased out.

Selection of Entac followed an evaluation of U. S. and NATO anti-tank weapon development programs, and is in consonance with U. S. Army policy of equipping its troops with the best available weapons.

Tests of both the Entac and the SS-10 have been conducted by ARGMA's Test, Evaluation and Firing Laboratory at Redstone Arsenal.

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1956 FORD 2-Door Hardtop. Check this. Only	\$450.00
1956 PLYMOUTH 2-Door Hardtop. A real buy at	\$475.00
1955 PONTIAC 2-Door Hardtop. Anniversary Price	\$425.00
1957 FORD 4-Door, Radio, Heater, Automatic	\$895.00
1956 MERCURY 4-Door, radio, heater, auto.	\$650.00
1956 CHEVY 4-Dr. Bel Air 'V8', fully equipped	\$575.00
1957 FORD 2-Door Sedan	\$750.00
1956 HUDSON HORNET, Cleanest Hudson in North Alabama	\$550.00
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INCENTIVE AWARDS

Edwin M. Hart

Edwin M. Hart, publications officer in Field Service Operations of the Army Rocket and Guided Missile Agency, received Sustained Superior Performance Award in a ceremony held last week in the office of Brig. John G. Zierdt, Agency Commander.

Hart, who saw duty with the U. S. Marine Corps in the South Pacific during World War II, started civil service work in 1951 at Cape Canaveral, Fla. In 1954, he transferred from this to ARGMA.

Hart, who attended the University of Alabama, resides with his wife and five children at 3606 Panorama Dr., S. E. Huntsville.

Donald E. Clark

Donald E. Clark, supervisor and production planning specialist in Field Service Operations of the ARGMA was presented Sustained Superior Performance rating by Gen. Zierdt, Clark first started civil service employment in 1941 at Augusta Arsenal. However, his civil service employment was interrupted by a tour in Army during World War II. He participated in the Central Europe and Rhineland campaigns.

The Clarks reside at 2120 Dogwood Lane, Huntsville.

Dr. Marvin J. Hall

Dr. Marvin J. Hall, chief chemist in Research and Development Operations of ARGMA was presented the Department of the Army Outstanding Performance Rating.

Dr. Hall, who holds a BS degree from Midland College, and a Ph. D. from the University of Nebraska, started his civil service career with ARGMA in March, 1959.

He and his wife, Florence, live at 7908 Seville Dr., S. E., Huntsville.

Mrs. Betty L. Soria

Mrs. Betty L. Soria, library assistant in Research and Development Operations, ARGMA was presented the Department of the Army Outstanding and Sustained Superior Performance Awards last week by Gen. Zierdt.

A graduate of Athens (Ga.) High School, Mrs. Soria started her civil service career in July 1957 at Redstone Arsenal. She transferred to ARGMA in 1958.

The Soria's reside at 3608 Broadmor Rd., Huntsville, with their son Mack, age three.

Paul K. Schaeppi

Paul K. Schaeppi, chief of the Technical Staff in Industrial Operations, ARGMA was presented with an Outstanding Performance Rating.

Schaeppi started his civil service career in May 1950 at Redstone Arsenal. He was transferred to ARGMA when reorganization took place.

The Schaeppi's make their home at 1705 Mountainbrook Dr., Huntsville. They have a daughter, Cheryl Ann, age 9.

Ira B. Humphrey

Ira B. Humphrey, chief of the Illustration Branch of Industrial Operations, Army Rocket and Guided Missile Agency, was presented the Outstanding and Sustained Superior Performance Awards this week.

A graduate of Auburn University, Humphrey served as combat air intelligence officer with the Air Force in the Far East after graduation from college.

This is the second successive Outstanding and Sustained Superior Performance Award that Humphrey has received.

The Humphrey's reside at 2011 Jordan Lane S. W., Huntsville, with their two children, Mallory Ann, age four, and John, age two. He is the son of R. P. Humphrey of Belle Mina, Ala.

Miss Alice G. Baker

Miss Alice G. Baker, a clerk stenographer in the office of the chief of Industrial Operations, ARGMA was awarded a Sustained Superior Performance Award last week.

Miss Baker started her employment with ARGMA on March 16, 1959. She makes her home at Route 4, Huntsville.

Ann K. Hayes

Ann K. Hayes was presented a Sustained Superior Performance Award by Lt. Col. Donald C. Maliskey, assistant commandant, during ceremonies recently at the U. S. Army Ordnance Guided Missile School.

Mrs. Hayes received the award for her work as a secretary in the Planning Branch, Office of Operations, OGMS. She is the daughter of Mr. and Mrs. Earl M. Keeton of Rt. 3, Cherokee, Ala.

She is presently employed as a secretary at the Research and Analysis Division, Department of Research and Curriculum, OGMS, and resides with her husband, Lobby G. Hayes, at 4200 Triana Blvd., Huntsville, Alabama.

Darrah Is Awarded Cash For Suggestion

James M. Darrah Jr., a civilian employe of the Army Rocket and

Guided Missile Agency, recently received a Department of the Army Suggestion Certificate and \$65 cash award in a special ceremony.

Darrah, an engineering technician in the Facilities Planning Office of ARGMA, won the award for recommending that permanent type statistical information pertaining to facilities and buildings be incorporated in the IBM system. It is estimated that the suggestion will improve operations and save the government approximately \$1,600 annually.

A veteran of both Army and Navy service, Darrah entered civil service at Redstone in November 1956. He transferred to ARGMA on May 12, 1958.

A graduate of Auburn University, Darrah resides at 1704 Hermitage Ave., S.E., Huntsville, with his wife and three children.

Births at Post Hospital

The following information concerning new born infants during the period of April 27, 1961 through May 3, 1961 is hereby submitted.

Edward Brown South, 6 lbs., 11 ozs., May 1, son of Sgt. and Mrs. Charles E. South.

James Barry Gross, 8 lbs., 7 ozs., May 1, son of S. C. and Mrs. Thomas C. Gross.

Pamela Sue Bachman, 6 lbs., 2 1/2 ozs., May 1, daughter of M. Sgt. and Mrs. Ronald C. Lachman.

Terry James Hughes, 7 lbs., 4 1/2 ozs., May 2, son of SP4 and Mrs. James D. Hughes.

Laurie Anne Williams, 5 lbs., 9 ozs., May 2, daughter of Pic and Mrs. Jack D. Williams.

Dorna Marie Rushing, 7 lbs., 3 ozs., May 2, daughter of Sgt. and Mrs. Wilson A. Rushing.

Eugene Bruno Hucal, 6 lbs., 2 1/2 ozs., May 2, son of SFC and Mrs. Joseph Hucal.

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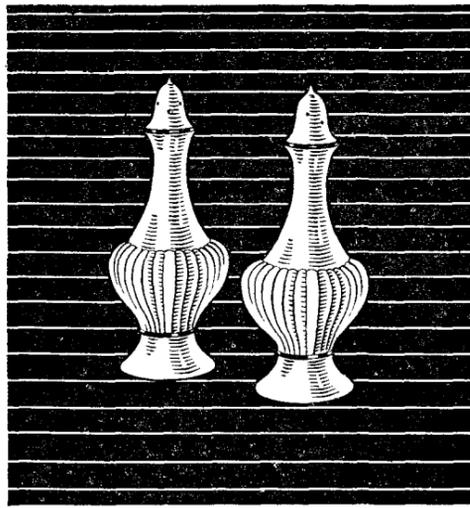
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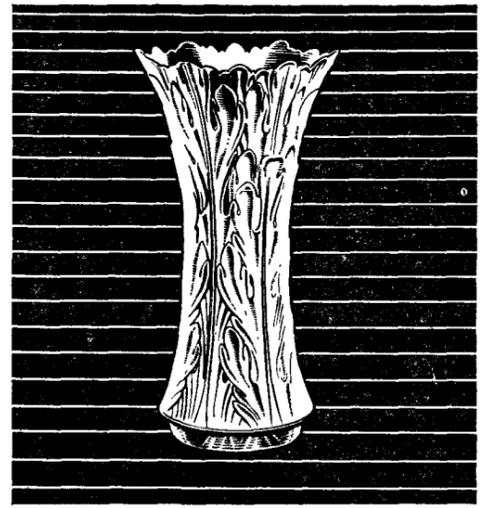
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OUR 59TH YEAR

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DOWNTOWN



SOLDIER OF THE MONTH—SP4 Joseph A. Rotter of Headquarters Det., at OGMS Unit Training Center, is congratulated by Col. Thomas W. Cooke, Redstone Commander, for being named "soldier of the month." The award of a letter excusing SP4 Rotter from most company duties for 30 days and the award of a \$25 check was made during a ceremony in the Post Commander's office recently.

Davis Visits OGMS For Special Review

A special report for the Department of Defense on "missiles and surveillance weapons of the highest national priority" is being prepared this week at the U. S. Army Ordnance Guided Missile School, according to Col. Charles W. Eifler, commandant.

A draft of the report, assembled by a committee of Army, Navy and Air Force officers at military installations and factories across the nation over the past six weeks, was reviewed this past weekend by James N. Davis, deputy assistant secretary of defense. He is responsible for production management in the Department of Defense.

Davis was guest of honor at a dinner Saturday night given by Col. Eifler and his staff at the Redstone Officers Club. Other guests included Mayor and Mrs. R. B. Searcy, Mr. and Mrs. Milton K. Cumming, president of Brown Engineering Co., and Mr. and Mrs. Jimmy Walker, executive secretary of the Huntsville Chamber of Commerce.

Each service had two representatives assigned to the preparation of the special report, with Col. Eifler as one of the Army members. The report was drafted last week in special offices set up in the Missile School library. Stanford Research Institute assisted.

Schertz to Attend Value Engineering Seminar This Week

Joseph L. Schertz, an employe of the Army Ballistic Missile Agency, will participate in a Value Engineering seminar sponsored by the General Electric Company's Heavy Missile Electronics Division, Syracuse, N. Y., this week.

Schertz, deputy chief of ABMA's Value Analysis Office, will speak May 4, to the group of approximately 60 General Electric employes on "A Key to Our Survival."

Last Fall, Brig. Gen. Richard M. Hurst, ABMA Commander, called for a 25 per cent reduction in the cost of missiles through an organized Value Analysis program. Arthur E. Harvey is chief of the Value Analysis office at ABMA.

Lt. Sparling Joins ABMA Training Staff

1st Lt. Darryl E. Sparling, a native of Seattle Washington, has recently been assigned duty in the Training Office of the Army Ballistic Missile Agency at Redstone Arsenal.

Lt. Sparling is a graduate of Miami Sr. High School, Florida, and the University of Washington at Seattle, which graduated him in 1959 with a B. A. degree.

Entering the Army in April 1959, he served at Ft. Benning, Ga., and Ft. Lewis, Wash., where he was a platoon leader in Company B. of the 12th Infantry.

Married to the former Carol Helphrey, daughter of Mr. and Mrs. James Helphrey, 1514 19th St. Spokane, Wash., he is the son of Mrs. Hester C. Sparling, 15014 75th St., N. E. Bothwell, Wash.

He holds a parachutist's badge, earned at Ft. Benning, and is a member of Sigma Alpha Epsilon fraternity. He resides on Redstone Arsenal.



TOP MISSILEMAN — PFC. Gerald P. Conner was top man in the Lacrosse Internal Guidance Repair Course at the Missile School. He is the son of Mr. and Mrs. Samuel P. Conner of 2731 Scilly Ave., Philadelphia, Pa. An electronic repairman for surface-to-air missiles, Conner entered the Army in August of 1960, taking his basic training at Ft. Benning, Ga. He attended the U. S. Army Signal School's basic electronics course at Ft. Monmouth, N. J. before being assigned to the Missile School.

Keymen Complete Corrosion Course

Training 64 key government and contractor personnel from all sections of the nation during the past two weeks, USAOMC pushed ahead with its program for the prevention of deterioration of materials in missile systems.

In a 40-hour course conducted at OGMS by Mr. Lloyd Gilbert of the Ordnance Weapons Command, key personnel are learning how to prevent, detect and correct corrosion problems which arise from improper design, manufacturing, inspection, rebuild, maintenance and environments.

In the course, Mr. Gilbert emphasizes corrosion environments, finishing processes, the relationship between design and finishing, and the need of designers to know the properties of materials and the effects of finishes upon these properties. He also covers the classification, function and application of coating; identification of electro-deposits and metals; designation of coating requirements on drawings; attributes of coatings; problems in the application of coatings and discussion of cor-

Movie Schedule

Wednesday, May 10, "Mad Dog Call" (M) starring John Chandler and Kay Doubleday. Time 1800 and 2030 hours.

Thursday-Friday, May 11-12, "Where the Boys Are" (M) starring George Hamilton and Delores Hart. Time 1800 and 2030 hours.

Saturday, May 13, "The Silent Call" (F) starring Ole Yeller and Gail Russell. Time 1800 and 2030 hours. SPECIAL MATINEE: 1000 hours

Sunday-Monday, May 14-15, "North to Alaska" (M) starring John Wayne and Ernie Kovacs. Time Sunday 1400, 1800 and 2030 hours Time Monday 1800 and 2030 hours.

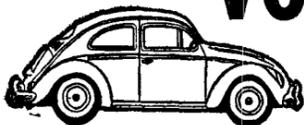
Tuesday, May 16, "Time Bomb" (M) starring Curt Jurgens and Mylene Demongeot. Time 1800 and 2030 hours.

rosion-fungus problems. To date, 145 key personnel have been training in this course. Seventy others will be trained in two classes scheduled June 5-9 and June 12-16, according to the Training Branch, CPD, RSA.

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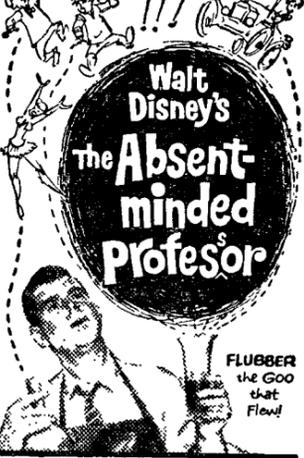
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WILLIAM B. GREENE

HOBBIES HELP ARGMA CHEMIST

Fortunate indeed, is the man who can bring the skill gained in the pursuit of a hobby to bear on a technical problem in his work. Mr. William B. Greene, Engineering Division, ARGMA, Industrial Operations chemical engineer, is such an individual.

His background in photographic theory finds useful applications in such diverse fields as X-Ray technology, spectroscopy and metallography, which are functions of the Materials Analysis Laboratory where he is employed.

Bill considers photography a creative hobby, and points out that the non-discriminating eye of the camera, unlike the human mind, shows everything; therefore, it takes considerable patience to get a picture that shows just what you want.

Photography is one of several hobbies, including astronomy and amateur acting, that also contribute to Greene's success as a public speaker. He is a member of the Toastmasters Club, and is a registered speaker with AOMC's Public Information office.

On April 17 he will address the American Rocket Society and the Institute of Radio Engineers in a combined meeting sponsored by the Rocket City Astronomical Society on the subject, "The Phenomenon of Intelligence."

This program, to be held in the Huntsville Electric Auditorium at 8 p.m., is built around the theme "The Search for Life," and will explore means of finding and communicating with life on other planets. It will be repeated during the Astronomical League Southeast Regional Conference in Chattanooga, May 5, 6, and 7.

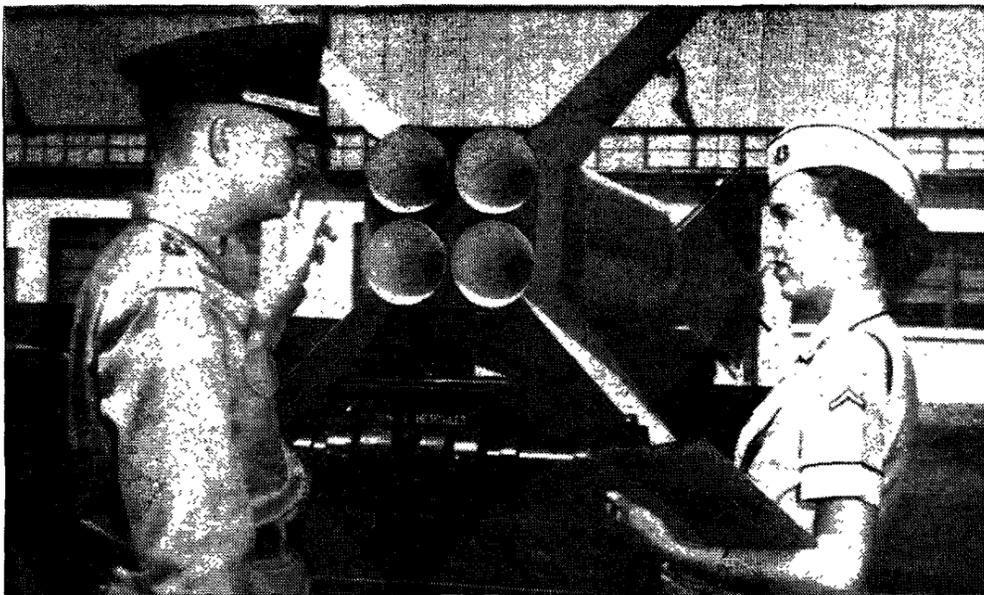
Roy Hood Completes 20 Years of Service

Roy C. Hood, Equipment Specialist in ABMA's Training Office, has completed more than twenty years service with the Government.

Mr. Hood has been employed at Redstone Arsenal since August 21, 1956. He and his wife, the former Miss Evelyn A. Huey of Atlanta, live at Rt. 2, Madison. They have a son, Ronald A., who is 13.

Mr. Hood served two tours of duty with the U. S. Navy; one from April 30, 1943, to December 26, 1945; and one from August 21, 1950, to November 15, 1957. He has served at the U. S. Navy Air Station, Pensacola; the Naval Gun Factory, Washington, D. C.; U. S. Naval yards in Portsmouth, Va.; and Brooklyn; the U. S. Navy Barracks at San Bruno, Calif., and Guam; and he has served at the U. S. Naval Station in Green Cove Springs, Fla.

He has also worked as a Government employe at Ft. Gordon, Ga., and Augusta Arsenal in Augusta, Ga.



FIRST ENLISTED MISSILE WAC—PFC. Barbara West of the Women's Army Corps is regarded as really first class at the Army Ordnance Guided Missile School where she is the first enlisted woman to serve. In what the Army calls "compassionate administrative action," she was transferred here when her husband, Master Sgt. Carl L. West drew a missile assignment. Now working in the Officer Pay Section at Military Personnel, she is shown getting a briefing on the Nike-Hercules missile from Lt. David Hulan. Pfc. West is the daughter of Mr. and Mrs. O. T. Stafford, 2935 Greenville Ave., Dallas, Texas. She was graduated from Crozier Technical High School.

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IN REHEARSAL—Shown above are Ruth Milner, wife, and Marshall Keith, police inspector, in a scene from the Little Theatre production, 'Angel Street' to be presented Friday, May 12.

'Angel Street' to Be Presented

Rehearsals for the Huntsville Little Theatre's production of "Angel Street," the tense suspense-filled melodrama are entering the last week before the opening on Friday, May 12.

"Angel Street" will be the last play of the current season and was presented at the Hotel Russell Erskine in the ballroom last weekend and will be presented on Wednesday, Thursday and Friday, May 17, 18, and 19. Curtain time for all performances is 8:15.

Set in the gaslit London home of a Mr. Manningham during the Victorian era, "Angel Street" tells the shocking story of the suave master of the house who has conceived a series of mental tortures designed to slowly but surely drive his wife insane.

R. C. Wallace, known at Redstone Arsenal as Pvt. Robert C. Waleski, will be seen in the role of the diabolic husband, a role acted by Charles Boyer in the

movie version. He has done roles in off-Broadway, and in summer stock in New York.

Ruth Milner, who works in the Consolidated Supply Division at Redstone Arsenal, will be seen in the part played by Ingrid Bergman, that, of the harassed wife, Bella. Miss Milner has served The Little Theatre this season as treasurer.

She has directed our productions for the Little Theatre including "Desperate Hours" last season. Before coming to Huntsville, she was active with the Little Theatre in Gadsden appearing in such plays as "Night Must Fall," "Bell, Book and Candle," "Affairs of State," and "Desk Set."

As the sharp-witted police inspector, Marshall Keith, a native of Huntsville will be seen in the part played in the movie by Joseph Cotton. Mr. Keith works at ARGMA as a technical writer. Prior to this he worked as a re-

porter on a trade newspaper in New York and attended evening classes in Eli Hill's Actor's Workshop. He has published cartoons in several trade periodicals and is working on a novel at the present time.

Playing the part of the flirtatious maid is Carol Livingston, who is portraying her fifth role with the Little Theatre. Her last role was that of "Madge" in this season's first play—"Picnic." She is an employe of Chrysler Corporation. Doing the character of the other servant is Joan Moyers, who is appearing for the first time with the Little Theatre. She has done work mostly with English Little Theatre groups in Liverpool and London. After she came to the United States she studied Radio Acting and Advanced Acting at Loyola University of the South. Her husband is employed at ARGMA and she just recently became an American citizen.

Directing "Angel Street is Jo Linger, who also directed "Aladdin" for the Little Theatre. She has acted in "Hansel and Grete!" "Peter Pan" and won the Best Supporting Actress Award for her portrayal of a cockney maid in

OldFashioned Remedy Used To Catch Fox

U. S. Army missilemen at Redstone Arsenal experiment with many exotic chemicals in their search for better missile and rocket fuels but so far Sgt. Buford D. Harrison has found no takers for his special blend.

He uses wolf scent in his job at the home of the Army's missile program.

If smell were the determining factor, Harrison claims his wolf scent would be the most potent propellant yet devised. Wolf scent won't burn, however, according to Sgt. Harrison. The rocket fuel chemists have been content to

accept his evaluation.

As game warden on the 40,000 acre Army Ordnance installation, Harrison uses the wolf scent in a fox control program. A few drops are sufficient to kill any man odor lingering near his fox traps.

Sgt. Harrison began trapping foxes last month when a sudden upsurge in the fox population caused a decline in the small game on the Arsenal and posed a possible rabies danger.

Harrison learned his fox trapping from a professional.

"Get some wolf scent," the trapper advised.

Army stock rooms, Harrison found, were permanently out of wolf scent. He gets his from the Mississippi Fish and Game Commission.

FIELD DAY PLANNED

"Night Must Fall." At present she is directing a Children's Theatre Workshop at the Community Center.

Joe Richter is the assistant director and Al Olsen is the producer.

Reservations may be obtained by calling JE 6-5607—weekdays from 5 p.m. to 10 p.m. and on week-ends from 10 a.m. to 10 p.m..

"Cub Scout Pack 234 will have a Field Day on Saturday, May 13, on the field adjacent to Goss and Skinner Roads.

All pack members and their parents are urged to attend, and interested spectators are welcome.

There will be a meeting of the den fathers on May 11 at 7 p.m. at the Cub Scout House to discuss final plans for the Field Day."

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SPORTS

16 TEAMS READY IN ARSENAL'S SOFTBALL LEAGUE

The coming Redstone Arsenal Softball League promises to be a strong and interesting one for both players and spectators. At present 16 teams are entered in the league. The teams are divided into two leagues of equal strength.

The American League consists of: Hq, UTC and Hq, OGMS (officers); Hq, USAG; Co. "A", OGMS; 866th AF; 2nd ETC; 3rd ETC; and Medical Det.

The National League consists of: Hq, OGMS and Hq & Hq Det, AOMC (Officers); Signal Det; Co. "B", OGMS; Hq Det, AOMC; Det "A", ARGMA, and Det "B", ABMA.

Most teams have been working out under the lights for the past three weeks. All games will be played on Softball Fields 1 and 2. Softball Field 1 is adjacent to Linton Field near the Provost Marshall Office and Softball Field 2 is adjacent to Linton Field near Patton Road.

The opening of the league was scheduled for May 8 and will continue through August 18. Four games will be played each night with the first game beginning at 1730 hours and the second game at 1930 hours. This schedule will continue through May.

After May 30 four games will be played nightly on Monday, Tuesday, and Thursday. On Wednesday and Friday, one game will be played on each field starting at 1730 hours.

Postponed games will be played at 1400 hours on Saturdays.

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Arsenal Pistol Team Brings Home Prizes

The Redstone Arsenal Pistol Team attended the Spring 2700 point pistol match held at the Naval Air Station at Millington, Tenn. May 6-7.

Lt. Richard O. Sayger, team captain, announced that Capt. Francis B. Conway, CWO George M. Seely, Sgt. T. W. Davis, SP5 John S. Trask and PFC Peter L. Gregg attended.

In team matches the four high individual scorers, Conway, Seely, Trask and Gregg won first place overall aggregate and the first place .22 match against three Navy teams.

In individual matches, Capt. Conway won five second place master prizes, CWO Seely won four places and three second places, also in the master class.

PFC. Gregg won three first places in the expert class. SP5 Trask won all of the first places except for four second places in the sharpshooter class and Sgt. Davis won three second places in the sharpshooter class.

The next scheduled match will be a 1800 point aggregate held May 21 at River Bend Gun Club, Atlanta, Ga.

Baseball Managers To Meet on May 10

With a tentative roster of seven baseball teams this year promises to be Redstone Arsenal's baseball year.

A baseball managers meeting is scheduled for today, May 10, at 1 p.m. at the Sports Branch, Bldg. 3648 to discuss and arrange the schedule for the coming season.

The league is scheduled to start on May 30 at 3 p.m. Pre-opening ceremonies are planned and a big welcome to the competing teams is in store. Games are to be on Wednesday, Friday, and Saturday starting at 7 p.m.

Postponed games will be played on Sunday afternoons at 3 p.m.

Rhymes of the Times

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Tourney Continues For Chrysler Cup

Consolation Games Finished Friday

First flight, second flight, and consolation competition in the Chrysler Cup Tournament sponsored by the Golf Group of the Redstone Arsenal Officers Wives Club was tallied Friday.

First flight scores were:

Mrs. F. E. Napper defeated Mrs. T. T. Moxley, one up;
Mrs. J. B. Levass defeated Mrs. Glenn Crane, 3 and 2;

Mrs. E. J. Kloos defeated Mrs. H. H. Washart, 2 and 1;
Mrs. Stephen Albee, Jr., defeated Mrs. R. O. Lehtonen, 8 and 7;

Second flight scores were:

Mrs. W. M. Kaiser defeated Mrs. P. C. Bayruns, one up;
Mrs. George Grace defeated Mrs. R. L. Spragins, one up;
Mrs. H. M. Murray defeated Mrs. G. L. Barnhill, 2 and 1;
Mrs. W. J. Fries defeated Mrs. J. A. Barclay, 6 and 4.

Consolation flight: (established from last week)

Mrs. J. N. Jean defeated Mrs. V. J. Lavor, 4 and 2;
Mrs. J. M. Ivy, IV, won by default over Mrs. H. E. Fite;
Mrs. C. A. Payne defeated Mrs. E. W. Powell, two up;
Mrs. S. C. Holmes defeated

Novices Begin Golf Competition in Scotch Foursomes

Fifty-two members of the Golf Group sponsored by the Officers Wives Club played Scotch-foursomes on the Arsenal course Wednesday, May 3.

Beginning golfers were paired with more experienced members of the Group. The novices had complete training in the clinic held by golf Pro James McClure the day before.

Winners were: Mrs. E. W. Powell, and Mrs. B. F. Register, first; Mrs. Stephen Albee, Jr., and Mrs. Nelson, second; Mrs. H. M. Murray and Mrs. W. G. Trainer, third; Mrs. Charles Payne and Mrs. C. A. Hall, fourth; Mrs. H. H. Wishart and Mrs. J. V. Cobb tied with Mrs. S. R. Sheridan and Mrs. G. J. Komechak for fifth place.



FIRST TEAM—In the Noncommissioned Officers Wives Bowling League, the number one team above includes (left to right); Mrs. Harry Bullard, Mrs. Thomas Erwin and Mrs. James Reynolds. The fourth team member, Mrs. Sam Cherry, was unable to attend the recent luncheon at the NCO Club at which the trophies were presented. Eight teams competed in the league. Number two team included Mrs. Gene Louis, Mrs. Paul Walker, Mrs. F. R. Harris and Mrs. Walter Keenan.

Excursion Planned By Diving Club To Include Family

The Redstone Arsenal Skin Diving Club met last Thursday night to discuss plans for the summer session.

The next meeting of the club will be on May 21 and will consist of a combination business meeting-family-picnic and skin diving at a quarry near here.

The quarry selected for the outing offers water deep enough to enjoy diving and to train new members and has a shallow shelf at one end suitable for children to swim. Water at the quarry is now warm enough that exposure suits (wet suits) will not be needed.

All members of the club and interested persons are asked to meet at 1:30 p.m., Sunday, May 21, at the Holiday Inn parking lot

Mrs. B. A. Higgins, one up;
Mrs. S. R. Sheridan defeated Mrs. W. W. Cobb, 5 and 3;

Mrs. S. L. Miller and Mrs. O. M. Hirsch drew byes;
Mrs. Adonis Creel defeated Mrs. C. H. Fuller, 10 and 8.

On Sunday, May 21, Scotch foursomes will be played by couples (husband and wife, or another partner) beginning at 1 p.m. at the Arsenal Golf Course. The Pro Shop is registering couples who plan to compete.

(motel), on the South Memorial Parkway. Members are asked to bring their families and pack food and snacks for themselves. Car pools will be formed for those requiring transportation for the 25-mile trip.

Further information can be obtained from H. Hoop, 536-6609 or Hugh Vandegrift 536-6935 after duty hours.



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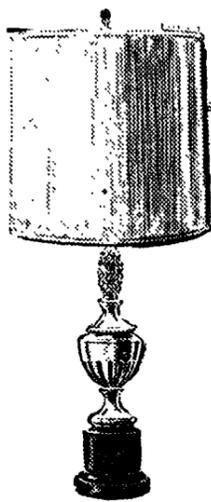
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NATIONAL SECRETARY DAY was doubly meaningful for Mrs. Ozelle Barnes, an employe of the Army Ordnance Missile Command. In recognition of her sustained superior performance as secretary to the Assistant Chief of Staff for Industrial Operations, she was given a Performance Award Certificate on National Secretary Day. She resides in Moulton with her husband, Fred, and son, Milton. The presentation was made by Lt. Col. E. R. Billings (left), Deputy Chief of Industrial Operations, AOMC, to Mrs. Barnes.

Gen. Zierdt Attends Conference on Zeus

WHITE SANDS MISSILE RANGE, N. M.—Brig. Gen. John G. Zierdt headed a delegation of key AOMC/ARGMA personnel attending a two day meeting of Nike Zeus contractor project managers here recently.

The two-day session held at the Army missile test center in El Paso, Texas, brought together key project managers from industry for a regular quarterly meeting to discuss progress of the research and development program and to make future plans.

S. C. Donnelly, Zeus manager for Western Electric Company, the prime contractor, chaired the meeting. Managers on the first day toured the Zeus test complex at WSMR and received briefings from Western Electric, Bell Telephone Laboratories, Douglas Aircraft and other industrial participants in the program.

The group from Redstone Arsenal included: Colonel R. W. Burkett, Director of Research and Development Operations; Lt. Col. Glenn Crane, Project Director for Ballistic and Space Defense; Lt. Col. William Nelson, Acting Chief, Anti-Missile Missile Office; Lt. Col. A. L. Bellavance, Industrial Operations; Joseph V. Olszewski, Field Support Operations and Franklyn G. Broyles, Industrial Operations, all of ARGMA. Also, Col. J. S. Jefferds, Assistant Chief of Staff for Industrial Operations, AOMC, and Lt. Col. J. C. Baer, Research and Development, AOMC.



DEFENSE PLANNERS DISCUSS MUTUAL PROBLEMS—Gerhard H. R. Reising, (left) Director, Research Laboratory, Army Ballistic Missile Agency, is shown above as he talked with Dr. Werner Nestel, member of the Scientific Committee of the German Federal Ministry of Defense. A recent visitor to Redstone Arsenal, Dr. Nestel discussed mutual defense matters with officials of AOMC and its local agencies.

Eliminate A Job To Get Promotion Gen. Peters Says

The surest way to promotion and pay in the modern Army Ordnance Corps is to figure out a way to do your own job more efficiently through creative thinking—even to the point of eliminating the need for the job! This advice was given to the staff and faculty of the Army Ordnance Guided Missile School last week by Brig. Gen. Robert E. Peters of Aberdeen, Maryland, commanding general of the Army Ordnance Training Command, of which the Missile School is an element.

"There is a natural reluctance on the part of any individual to think of ideas that might influence his own job, or, in fact, eliminate it," the General said.

But he emphasized that this is

Two Soldiers Receive Cash for Suggestions

Suggestions which won top \$25 awards in March and April were turned in by M/Sgt. James D. Reynolds and PFC. Dale H. Reidsema, both of Post Transportation.

Sgt. Reynolds suggested that the Arsenal taxi driver identification bracket be mounted on the instrument panel in full sight of all passengers. Previously, brackets had been on the rear of the front seat.

PFC. Reidsema suggested a way to lock the rear doors of the hospital type buses used in school bus runs. This prevents opening the doors from the inside.

the type of individual the Ordnance Corps is seeking — and he promised an equal or better job to any civilian employee of the Missile School who "has the fortitude and imagination to devise such procedures."

He spoke to 120 key officials of the school at the conclusion of a two-week inspection.

Gen. Peters asked for equal emphasis on technical and managerial competence, a greater sense of urgency and more creative and original thinking in missile training.

A major problem today, he said, is that the vast majority of students are lost to the Army after their two years of selective service. This is particularly true in the complicated field of missile training, he declared.

Additional Students Expected at School

The Department of Defense last week said a special interservice and international missile training program will bring some 1,000 additional U.S. and Allied Air Force students to the Army Ordnance Guided Missile School between now and late 1963.

An announcement from Washington said the program is "of multi-million dollar scope." It involves training of American and foreign air force students on the 1,500-mile Jupiter missile which is being based in Europe with North Atlantic Treaty Organization forces.

The nationality of the foreign students was not revealed.

The Army school said the Air Force students will substantially increase its enrollment, which now averages about 5,000 students annually from all branches of the U. S. armed forces and 12 Allied nations.

The special program known as "NATO II" is jointly administered by the Air Training Command of Randolph Air Force Base, Tex., and the Army Ordnance Training Command of Aberdeen, Maryland, of which the Missile School is an element.

Training is under way here at a huge outdoor Jupiter site and classrooms equipped with new electronic teaching machines developed by the Army, the Air Force and Chrysler Corp., prime contractor for the Jupiter missile system.

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JOINT FEDERAL SERVICE, HEALTH CRUSADE SUCCESS CARPENTER SAYS

Executive Chairman Harold B. Carpenter announced this week the most successful Joint Federal Service Health and Welfare Agencies Fund campaign in the history of Redstone Arsenal.

In making the announcement, Carpenter said \$17,031.41 was contributed through the generosity of 5,701 military and civilian employees of Redstone Arsenal and the Marshall Space Flight Center. This nearly doubled last year's figures, the chairman pointed out. \$11,796.95 was raised for the Health Agencies and \$5,234.46 was contributed to the Joint Crusade.

In a joint statement Maj. Gen. August Schomburg, Commanding General of the Army Ordnance Missile Command and Dr. Werner von Braun, Director of the Marshall Space Flight Center said "We are pleased with the Army's and the Marshall Space Flight Center's excellent showing in this worthy endeavor. It is indicative of the charitable attitude of the people at Redstone Arsenal who can be counted upon to help those who cannot help themselves."

Envelopes with contributions by organizations:

Marshall Space Flight Center, 10,200 envelopes distributed - 1,800 sealed envelopes returned; AOMC, 1,200 envelopes distributed - 308 sealed envelopes returned; ABMA, 4,400 envelopes distributed - 1,156 sealed envelopes returned; ARGMA, 6,400 envelopes distributed - 1,238 sealed envelopes returned; RSA, 7,600 envelopes distributed - 3,188 sealed envelopes returned;

OGMS, 5,000 envelopes distributed - 1,038 sealed envelopes returned; Air Force, 150 envelopes distributed - 66 sealed envelopes returned; Area Engineer, 400 envelopes distributed - 9 sealed envelopes returned; Army Audit, 50 envelopes distributed - 6 sealed envelopes returned; Troop Command, 1,900 envelopes distributed - 368 sealed envelopes returned;

Rohm and Haas, 600 envelopes distributed - 108 envelopes returned; and Thiokol, 3,000 envelopes distributed - 130 sealed envelopes returned.

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GRAY LADIES and Red Cross staff aids used a miniature Bloodmobile to decorate one of the windows at the Post Library recently. Volunteer nurses also help the regular staff during a real visit of the Bloodmobile.

Library Sponsors Variety Of Artistic Competitions

Contests at the library throughout National Library Week recently were judged by experts and included flower arrangements, a photo contest and an art exhibit. The Arsenal Gray Ladies displayed a Bloodmobile operation in miniature, using dolls as models.

Judging the flower arrangements submitted by both non-commissioned and officers wives was Col. S. B. Dickinson, British Liaison officer and expert in the field of flower arrangements.

First prize went to Mrs. Frank Reed, a member of the Noncom-

missioned Officers Wives Club Auxiliary. Second prize was awarded Mrs. W. S. Bice, representing the Arsenal Officers Wives Garden Club.

The winning exhibit was an arrangement of iris and greens in a flat black container which held a small island on which a ceramic mallard perched.

Mrs. Bice used white and salmon gladioli in a modern glass container.

The Photo Contest, judged by Harold Hunt and William Kellar of the Post Signal Photo Branch,

and G. L. Bone of RCA had the most extensive competition.

Winners in the scenic group were: Lt. R. B. Statham of the Ordnance Guided Missile School with a photo entitled "Warm Rain," first; Sgt. John Willits, Co. B, OGMS, second, Maj. Albert Birkenstein, Army Rocket and Guided Missile Agency, "Boys are Boys," (walking a fence), third; and Pvt. Bob Cohen, Co. B, OGMS, "Cross Over."

In the human interest category, Pvt. Tim Lee, Co. B., OGMS, "Siesta Time," first; SP5 John A. Willets, "Hub—A New M. P.," second; Charles Griffith, third, and another Willits, fourth.

The art contest was judged by Mrs. Mary Derryberry of Redstone Arsenal, Mrs. Maxine Ay-

cock and Mr. Bill Chandler, both of the Marshall Space Flight Center. Mr. Chandler was formerly employed by the Arsenal as an illustrator.

Mrs. H. N. Brownson was awarded first prize for an oil painting entitled "City Scape," a city-lighted night skyline.

Dennis B. Grace, Jr. was awarded second place with an oil painting of "Woman and Child." Third

JUDGE DISCUSSES WINNING ARRANGEMENT — (Inset) Col. S. B. Dickinson, British Liaison Officer to AOMC, judged the flower exhibits displayed recently at the Post Library. Above, he discusses the points which determined his decision with Mrs. James Harris, president of the Redstone Arsenal Officers Wives Garden Club. The winning arrangement of iris and greens in a black container with a ceramic mallard used as a color and form emphasis belongs to Mrs. Frank Harris . . . ART AND BOOKS (left) are displayed in the windows flanking the entrance to the Post Library. The window display was arranged by Mrs. Frank Reed of the NCO Wives Club Auxiliary.

place was awarded Mrs. Henry L. Gozian with an oil titled "Boats."

Honorable mention went to Mrs. Otto C. Grummt's pen and ink still life and a watercolor landscape by Mrs. Thomas C. Davis.

Attendance prizes went to Mrs. Louis A. Weir, Miss Judy Lee and Sp3 Thomas J. W. Lucas.



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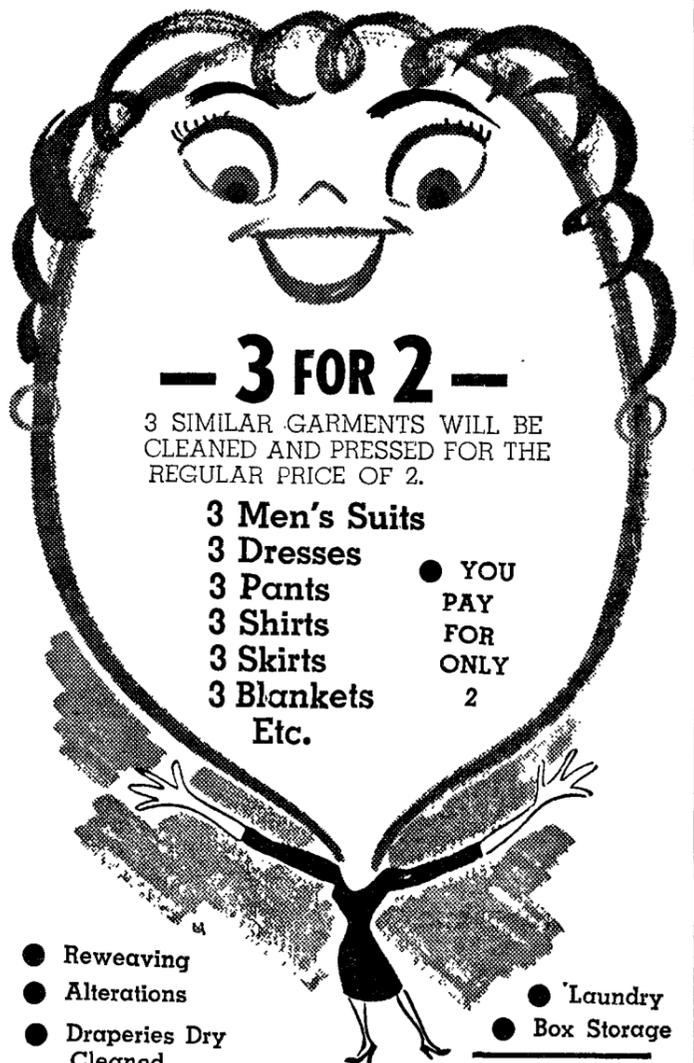
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Social News

Lt. Col. Blackman Scheduled to Speak At Engineer Meeting

Lt. Col. W. D. H. Blackman of the Royal Electrical and Mechanical Engineers will deliver a talk on Tomorrow night to the North-east Alabama Chapter of the Alabama Society of Professional Engineers on "Engineering in Great Britain."

Lt. Col. Blackman is the British REME Liaison Officer at the Army Ordnance Missile Command. He was educated at the City of London School and at King's College, London University. He graduated B. Sc. (Hons) in Mathematics and Physics.

He worked for the Army for a short time as a civilian on radar in 1941. In September 1941 he was commissioned as a 2/Lt. and served during the war in Anti-Aircraft Command in Middle East Land Forces working on radar, fire control and equipment and communication equipment.

In 1950 he graduated from the Technical Staff Course at the Royal Military College of Science, Shriveham and then remained for three years as a member of the Staff of the College.

1954-1955 he commanded the District Workshop in Hong Kong.

1956-1958 he was a project officer in the Ministry of Supply on Guided Missile research and development.

His last assignment before coming to Redstone Arsenal was as Senior Engineering Instructor in Radar and Guided Weapons at the REME Training Center, Arborfield.

He is an Associate Member of the Institution of Electrical Engineers, Associate Member of the Institution of Mechanical Engineers and Associate of the Institute of Physics.

He was married in 1945 and lives with his wife, Mrs. Betty L. Blackman at 1614 East Clinton Avenue.

The installation of the New Chapter Officers will precede the talk by Col. Blackman. All engineers are invited to attend. For reservations call Mr. Jack H. Furman, 539-0797 or Mr. John M. Caudle 876-1411.

Mr. Cobb, previously announced speaker will not appear.

Mrs. Gere Wyss Wins Cup As Best Speaker In Toastmistresses

Mrs. Gere Wyss was awarded the best speakers cup at the May 3 meeting of the Huntsville Toastmistress Club at Morrison's Restaurant.

The best "table topic" speaker was Mrs. Samuel Vance.

Mrs. Wyss, MSFC, delivered a speech on "Spring Poetry" and covered subjects ranging from comic to serious.

Mrs. Edith Gibbs, ARGMA, presided as toastmistress for the meeting.

Sojourner President To Be Speaker Here

National Sojourners, Redstone Chapter 353 plans a social and business meeting at the Squirrel Hill Officers Club tomorrow night at 6:30 p.m.

Col. Charles L. Leedham, U.S. Army M.D. (ret.) will be honored during the meeting. He is presently National president of the Sojourners and will be principal speaker at the meeting.

Dinner reservations, which includes wives, should be made with Pete Redding 876-8760; Jim Nixon, 876-4105; or Theo Combel, 876-5260.

MACK JENNINGS ELECTED

Mack Jennings, of the Management Engineering Division, Control Office, has been named District Commander, First District of Alabama, Veterans of Foreign Wars. He was previously Commander of the Huntsville Post of the VFW.

The First District includes VFW posts at Huntsville, Scottsboro, Athens, Decatur, Cullman, Arab, Guntersville, Albertville, Boaz, and Garden City.

CERAMICS DEMONSTRATION

One of the leading demonstrators of ceramic art will be at Redstone Arsenal, Wednesday, May 17 at 7:30 p.m.

Miss Alice Hill, representative of Ceramichrome Laboratories, will demonstrate original techniques in ceramic decorations. No charge for the demonstration at the Service Club, Bldg. 3711.

At the Service Club

We are almost into the middle of May and slowly approaching that "long hot summer." From now on, it will be getting hotter and hotter, so let me remind you that the Service Club is air-conditioned and you can always be sure of a cool comfortable place to relax with some good music, write letters, or enjoy some of the Service Club equipment and programs.

Wednesday night, May 10 Dance Classes will begin at 1930 hours in the main lounge. The present course features the Rhumba and the Jitterbug.

The Shutter Club will meet at 1900 hours in the small lounge on Tuesday night, followed at 2000 hours by a Checker Contest. Checkers is a good summertime game, relaxing and not strenuous. Come by and get in shape for the season on Thursday night.

Small Game Night will hold the spotlight on Friday April 12. We have many small games in stock. Many of them are quite surprisingly fascinating. For example, we have a contraption called "Shoot the Moon" that is guaranteed to shatter your nerves and endanger your peace of mind. Only two people have mastered the game, so if you want a real challenge, come and try it. Other games are chess, checkers, card games, monopoly, etc.

Saturday morning at 0900 hours the tour of Shiloh National Park will leave the Service Club. Our tours are limited to 37 members, so don't get left off the reservation list because you didn't sign up in time.

Sunday morning Coffee Call will be held at 0930 hours, when hot coffee and donuts will be served from the kitchen. Later at 1330 hours, a Pinochle Contest will get underway. The Sunday Night Record Dance will begin at 1900 hours. Come over and bring any good dance 45's you have handy.

An evening of games on Monday night will begin at 2015 hours in the main lounge with a fine selection of prizes waiting to be won.

The Bridge Club will hold its weekly meeting at 1930 hours on Tuesday, May 16. The monthly meeting of the Rho Sigma Chi, our Jr. Hostess organization, will also be held on Tuesday night at 1930 hours.

HISTORY

The main lounge was suddenly transformed into Melody Square on Saturday, April 29, and we



WELCOME, COUNSELOR—Celebrating the Department of the Army's confirmation of Ed Rudolph (second from left) as the legal counsel of the Army Rocket and Guided Missile Agency are, from left to right: Mrs. Robbie E. Senesac; Rudolph, Robert E. Gunter and William R. Hay, members of the staff. The coffee and cake celebration took place last week. Rudolph had been serving in an acting capacity until then.

were entertained with some fine old tunes, turn-of-the-century style. Especially appreciated by the audience was the lovely voice of June Pena and the spirited songs of the Rocket Chapter Chorus. This was an EM Council project, and I think that the council deserves a vote of thanks for a job well done.

The active committee that brought the show to its final stages were Pvt. Sam Wolfson, SFC Ed Vienreau, PFC Paul Shankland, Sp/4 Larry Zoll, Pvt James Crum, PFC Al Nicholas, and Sp/4 Alex Schleber.

FUTURE

Glancing over the schedule for the rest of May, there are one or two programs for which you will need advanced notice. There will be the Ole Fashioned Hoe-Down on April 20, the Apple Blossom Dance on the 21st and a Post-

LIBRARIANS ELECT OFFICERS

Two employees in the ABMA Technical Library have been recognized by the Alabama Library Association.

Mrs. Jane Bentley was elected President of the Association, and Mrs. Lucile Ridings was re-elected editor of "The Alabama Librarian," the magazine published by the Alabama Library Association.

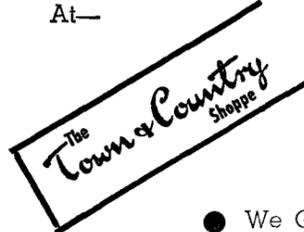
Wide Chess Tournament on the 25th and 26th. If you are interested in chess, sign up for this one.

On April 27 there will be a tour to Birmingham's Vulcan Park for which you will need to sign up in advance. Keep these programs in mind when you plan your schedule for the rest of the month. They should be a lot of fun. See you soon?

Margaret

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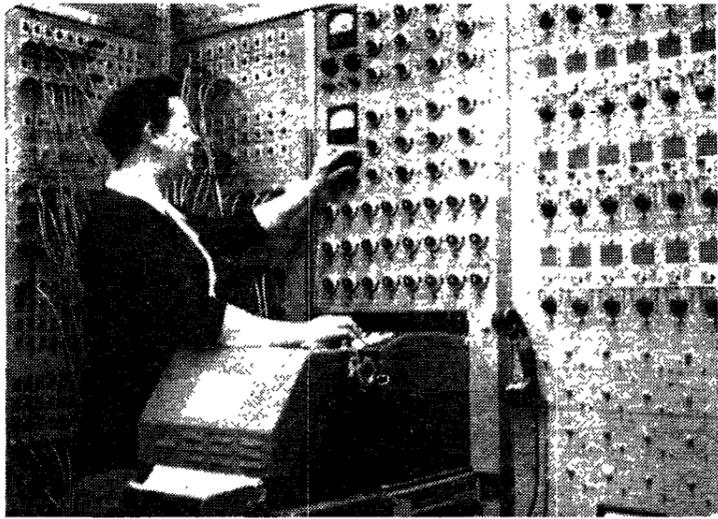
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WOMAN IN MAN'S WORLD—Mrs. Doris Recob monitors the Recording Oscillograph for analog data in the Instrumentation and Computation Laboratory of ARGMA Industrial Operations.

Mrs. Recob Is Only Woman Electronic Technician In Computation Laboratory

How does it feel to be the only woman electronic technician in ARGMA?

Mrs. Doris Recob, Engineering Division, Industrial Operations, who finds herself in this unique position, considers it a very stimulating experience. Her duties in the Instrumentation and Computation Laboratory include the programming of a variety of electronic instruments in order to obtain recordings of data secured in the testing of missile and rocket component parts.

She approaches her work with a philosophy nurtured by conviction that women can successfully

engage in many of the vocations once considered to be strictly for men.

Mrs. Recob first became interested in electronics while serving as a Sound Motion Picture Technician during her two years as a Petty Officer in the SPARS. After the war, she furthered her technical education by enrolling in the American Institute of Technology in Chicago. In 1950, she received her B.S. degree in Radio and Television Engineering and became the first woman graduate of that institution.

While in attendance at the American Institute of Technology,

she met her husband, John, currently employed as an electronics technician with Research and Development Operations, ARGMA.

After graduation they both operated a TV and radio sales and service shop in Jacksonville, Fla.

The Recobs, who live in Madison, find that the pursuit of a common career provides a broad basis for mutual interest and understandings in their married life. In addition to her hobby of repairing TVs and radios, Mrs. Recob delights in the preparation of elegant and delectable dishes. It is here that she finds satisfaction in a woman's field.

"Oh, dear, I've missed you so much," she said as she raised the revolver and fired again.



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(Continued From Page 14)

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FOR SALE — Nice '57 Plymouth 6 cyl., str. shift, red and white, radio, heater, w.w. tires, good gas mileage, perfect car for driving to work or use as second car, a good buy for \$485. Can finance. Phone 534-5528. 1tc

FOR SALE — 14' aluminum runabout, 30 h.p. motor, trailer, elec. starter, ski equipment, \$500.00. Phone 877-5346. 1tc

FOR RENT — Nicely furnished 2 room efficiency apartment, air conditioned, telephone furnished, off street parking, 419 E. Clinton St., Phone 534-4551 or 534-5127. ttc

FOR SALE — 1955 Chevrolet Bel Air 2 dr., Salmon & grey, stick, white walls, radio, heater. Ph. SP5 F. Zawacki, after 3:30 p.m. at 877-3314. 1tp

FOR SALE — 1959 Plymouth 2 door V8, automatic, 9200 actual miles, will consider older car in trade. Phone 539-3109. 1tc

Col. Lee B. James Assigned to Korea

An officer who is a veteran of the pioneering Army team that orbited the Free World's first earth and solar satellite will leave Redstone Arsenal next week for duty in Korea.

Lt. Col. Lee B. Jones, Deputy Director of Research and Development Operations of the Army Ballistic Missile Agency, came to

FOR RENT — 33' house trailer, awning, good condition, located near Gate 3 on private lot, swimming pool privileges. \$60. per mo., plus utilities. Gentlemen or working couple. Phone JE 6-0590. 1tc

FOR SALE — 1953 Oldsmobile 98, excellent condition. Phone Sgt. Francis T. Doner, 876-5588 after 1900 evenings. Price \$200. 1tc

NEED 5 OR 6 BEDROOMS in an ideal location for children? 1005 Fraser Ave., 3rd house off California, 2 story, new Cape Cod, 2 1/2 baths, central air conditioning, attached garage, large patio, Frigidaire kitchen, near Blossomwood and Junior High schools, swim pool, play park, bus line and town. Best location in Huntsville. Drive by and see. If interested call 536-8980 or 876-4681. \$25,500.00. ttc

FOR SALE — AKC registered Dachshund puppies, Phone 539-6695 or see at 1306 Locust Ave. S.E. 1tp

FOR RENT — Cool, furnished, first floor 1 bedroom apartment, living room, kitchen and dinette, private bath and porch, best neighborhood. Close in, janitor, Phone 534-8467. 1tc

ABMA in May 1956, three months after the formation of that organization responsible for many American "Firsts" in space and missilery.

A native of Charlestown, Ind., James is a graduate of Columbia Military Academy, Columbia, Tenn., and West Point. He holds an M.S. degree in aeronautics and guided missiles from UCLA.

After commissioning in 1943, he served at several U. S. posts, and saw service in England and Germany. He holds the Bronze Star Medal for his participation in the Rhine River Campaign in Germany.

His assignment before coming

to ABMA, was that of commanding officer of a Nike guided missile battalion in Maryland.

The son of Mr. and Mrs. F. E. James, Maxton, N. C., he is married to the former Kathleen Galoway, Mt. Pleasant, Tenn. He is the father of Lee B., Jr., 13, and Janet, 12.

He is a member of Tau Beta Pi and Pi Tau Sigma, engineering fraternities, and a deacon of the Presbyterian Church.

"Can I have the afternoon off to go shopping with my wife?" "No," answered the employer. "Thank you, sir."



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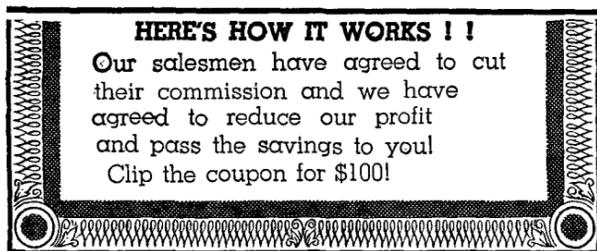
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Two-Door sedan with two tone green finish, radio and heater. Fine transportation and easy to own. No money down.

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Two-Door sedan with radio, heater and 4 brand new tires. You can't miss with this one eighter. No money down.

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OLD RELIABLE

(Continued From Page 1)
 If certain of Redstone's achievements were not considered to be of such vital defense importance that they must remain secret.

"Old Reliable" is not a title of empty words, but rather a title of respect for a missile that has been the work-horse of America's defense and space programs during the most exciting decade of American technology.

It may seem unusual - possible even risky to some - that men put so much faith in a mass of steel, chemicals and electronics. But after all, these vehicles are the result of the efforts of man and are, in reality a display of man's confidence in his own ability.

This ability and confidence on the part of the scientists, engineers and officers at the Army Ballistic Missile Agency, and the Army Ordnance Missile Command in Huntsville, Alabama, produced the Redstone in an era when America's world leadership faced its strongest challenge.

The challenge was largely intangible until a simple radio signal shook the free world as no explosive had ever done.

That otherwise unimpressive, unintelligible "beep-beep" on the horizon in late 1957 from the first Soviet satellite carried an ominous message to American missile and space officials. Indeed, for the entire free world.

Simply, it said there was a job to be done - quickly and efficiently. We could not afford to fail.

The Army's Redstone was there to make sure we didn't!

On the night of January 31, 1958, Army scientists, engineers and officers at Cape Canaveral stood holding their breath, waiting . . . and hoping.

The modified Redstone, serving as the first stage of the composite vehicle carrying the Explorer I satellite, also waited - waited for the push of the button that would give it life.

As the first flame burst from the Redstone's exhaust, the men seemed to be transferring their own energies to the missile's engine, trying to help it rise off the pad.

But the Redstone didn't need help.

Majestically and powerfully, it rose off the launching pad and Explorer I was on its way to outer space.

It was but one in a long series of successes.

Later, the same modified Redstone was to give the initial boost to Explorers III and IV.

In 1956, the Redstone had proved its long-range capability when it powered this same composite vehicle - the Jupiter-C more than 3000 miles down the Atlantic Missile Range on the United States' first truly long-range ballistic missile trajectory.

- The Redstone was also:
- the first U. S. ballistic missile to successfully employ an inertial guidance system, making it completely immune to known types of counter measures.
 - the first large U. S. ballistic missile to be fired by troops.
 - the missile which provided the boost when the first heat-protected nose cone was fired into space and recovered.
 - the first large U. S. ballistic missile to be deployed overseas, joining the NATO Shield Force in June, 1958.

The Redstone development program was marked by the close cooperation of American industry and the Army. From the original

idea in 1950, through the awarding of the first contract with the Chrysler Corporation in 1952 and through the final research and development firing of the missile in 1958, the team worked together - designing, modifying, building and testing.

Of the numerous firings that occurred in five years of intense research and development, only two proved unsuccessful. Redstone earned its nickname of "Old Reliable" by repeatedly showing it could do the job.

Redstone was so successful in its own firing record that it was used many times to test components from other systems under development. Its part in the Jupiter program hastened the Army's final development of that now-famous missile.

The Army also utilized the Redstone system for other tests.

One such experiment involved the mounting of a TV camera inside the missile to photograph separation of the last stage of the Redstone. The miniature television station is designed to enable a ground commander to see

the actual target damage inflicted by the missile. The camera is ejected from the Redstone during flight and, while falling to earth, takes pictures of the impact point of the missile warhead. The picture can be seen by the commander on a receiving station miles away from the impact area.

This test was performed at White Sands Missile Range in March 1960. Troops from the 40th Field Artillery Group, the first Redstone unit to be deployed in Europe, conducted the firing. The TV equipment and receivers were developed for the Army by the Radio Corporation of America, in cooperation with the Army Signal Corps.

Redstone today continues to be the Army's "Sunday punch." The missile guards the frontiers of the free world in Europe while continuing to provide support to America's space program.

Perhaps Redstone will someday be a part of an even greater accomplishment than the boosting of a man into space. No one can say for sure.

But it is a pretty safe bet that if called upon for additional duty again, the Redstone will respond in its own "Old Reliable" fashion



COMMENDED—Lionell T. Burris, Civil Engineer, Engineering Branch, Post Engineer Division, (left), receives a Letter of Commendation from Mr. John W. Cotney, Chief, Engineering Branch, Post Engineer Division. Mr. Burris has accrued a total of 1667 hours of Sick Leave while in Government Service. Mr. Burris transferred to Redstone Arsenal in 1956. Since that time, he has used only 12 hours of Sick Leave.

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