

The Redstone Rocket

Published by Jack W. Hoffhaus, a private individual, at Huntsville, Ala. Opinions expressed by the publisher and writers herein are their own and are not to be considered an official expression by the Department of the Army. The appearance of advertisements in this publication does not constitute an endorsement by the Department of the Army of the products or services advertised.

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REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

MAY 21, 1958

JUPITER NOSE CONE IS RECOVERED

40TH GROUP MAKES HISTORY AT CAPE

Redstone Missile Launched by Troops for First Time

Graduation Firing Done by Battery 'A'

The Redstone Missile was launched last Friday at Cape Canaveral, Fla., by Army troops, marking the first time a large ballistic missile has been fired by U. S. military personnel.

Conducting the firing was the Army's 40th Field Artillery Missile Group (Redstone) which has undergone extensive training at Redstone Arsenal for the past year. Friday's launching was the graduation firing and consummation of the test program for Battery "A" of the 40th Group. Battery "B", the second firing battery of the Group will shortly conclude its training program by launching a Redstone in the field.

The Redstone can deliver with extreme accuracy either conventional explosives or nuclear warheads depending upon the battlefield requirement. It is a 230-mile liquid fuel supersonic ballistic missile. It is intended for surface-to-surface use against ground targets far beyond the range of conventional artillery. It is approximately 62 feet long and nearly 6 feet in diameter.

The missile is launched in the vertical position from a portable platform or launcher. The missile and all related ground equipment are transportable by truck, rail, ship or plane thereby meeting the requirements of mobility. (See GRADUATION on Page 2)



MISSILE ERECTED—The Redstone Ballistic Missile is erected on a Cape Canaveral launching pad by members of the 40th Field Artillery Missile Group, the Army's first Redstone group, in preparation for the historic launching by troops last Friday.

VETERANS OF ARMY COMBAT PLAYED KEY ROLES IN REDSTONE FIRING

(Photo Inside)

Veterans of Army combat service in World War II and Korea played key roles in the historic launching of the tactical Redstone Ballistic Missile last Friday at Cape Canaveral, Fla.

Commanding "A" Battery of the 40th Field Artillery Missile Group (Redstone), the unit which

years in the Navy Submarine Service during World War II.

He joined the Army in November, 1949, after his return from the Pacific area and fought in Korea from September, 1950 until December, 1951 with the 62nd Construction Engineers as a Master Sergeant. He was at Fort (See VETERANS on Page 2)

Gen. Barclay Lauds Navy, Air Force for Nose Cone Recovery

Brig. Gen. J. A. Barclay, Commander, Army Ballistic Missile Agency, sent the following messages Sunday (18 May):

To Rear Admiral G. L. Russell, Commander in Chief, Atlantic Fleet:

"The Army Ballistic Missile Agency salutes the officers and men of the Navy's aircraft and (See GEN. BARCLAY, Page 12)

FLIGHT-TESTED CONE IS INTACT

Project Titled 'Complete Success'

The Department of Defense announced that the Army Sunday successfully recovered an actual full-scale nose cone for the Jupiter Intermediate Range Ballistic Missile after an in-flight test.

The nose cone was recovered after the Jupiter, fired from the Missile Test Range at Cape Canaveral, Fla., early Sunday morning, completed the full IRBM distance.

Preliminary evaluation of the cone of the Jupiter Missile indicated "complete success" of the protection the nose cone will afford a warhead. Without protection the aerodynamic heating which would attack a missile warhead as it reenters the atmosphere at a velocity of 9,000 miles an hour could destroy it.

The nose cone, equipped with recovery gear, designed under the direction of the Army Ballistic Missile Agency, was recovered at dawn Sunday morning in a mid-Atlantic operation, conducted by the U. S. Navy. It included Navy ships, planes, and "frogmen," and an intricate maze of recovery gear using parachutes, (See RECOVERY on Page 3)

White Sands Renamed -- Now Missile Range

White Sands Proving Ground, New Mexico, a key installation of the U. S. Army Ordnance Missile Command, has been redesignated the White Sands Missile Range, according to a Department of Army announcement.

White Sands Missile Range, a class II activity under the jurisdiction of the Chief of Ordnance is commanded by Maj. Gen. W. E. Laidlaw. Its primary mission is the testing of intermediate range rockets and guided missiles.

All branches of the Armed services are represented at the Missile Range which covers 4,000 square miles. It is responsible to execute all technical and engineering responsibilities associated with flight testing of guided missiles, rockets or other munitions assigned for testing.

The first Guided Missile Battalion, Army Ground Forces, was constituted at White Sands Oct (See WHITE SANDS on Page 3)

Recovery Gear Made Under ABMA Guidance

Recovery gear employed in the Jupiter IRBM nose cone test successfully completed by the Army Sunday with assistance from the U. S. Navy was designed under supervision of the Army Ballistic Missile Agency.

The Agency developed the Jupiter 1,500-mile missile for operational employment by the Air Force.

The Cook Electric Company of Evanston, Ill., developed the nose cone recovery equipment in cooperation with Agency technicians. It was thoroughly tested in advance of the launching at Elgin and Edwards Air Force Bases and Northwestern University.

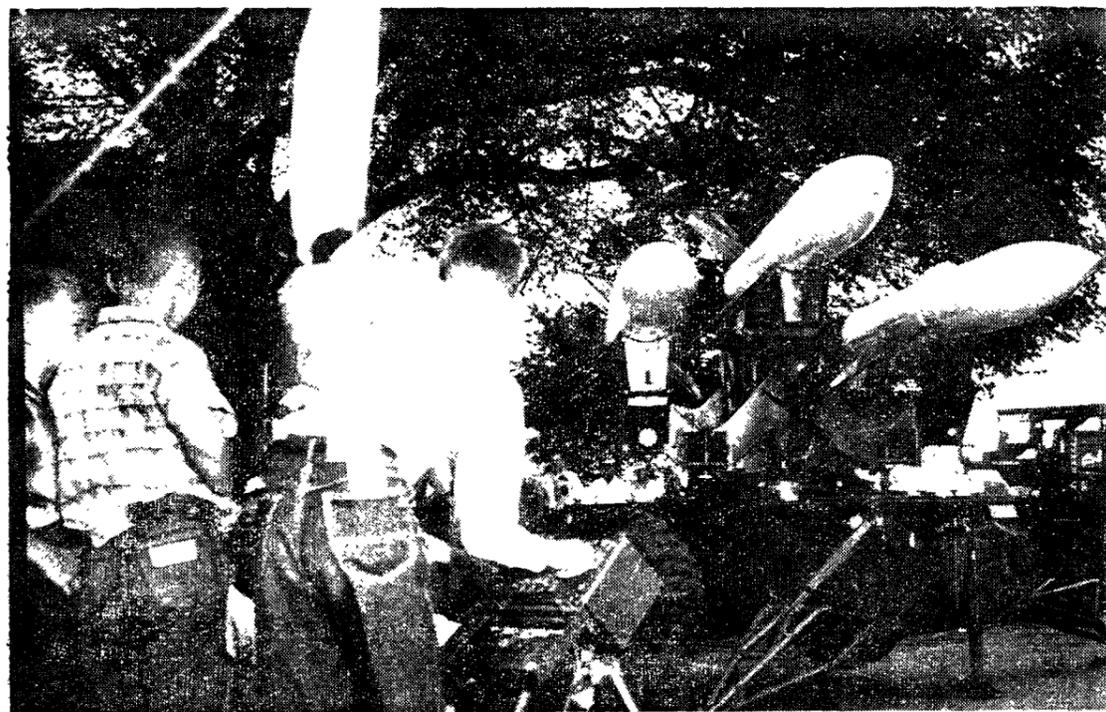
Four destroyer escorts of Navy Squadron 12 and a dozen P2V aircraft of Squadron 18, Fleet

Air Wing, from the Naval Air Station at Jacksonville, Fla., participated in recovery of the cone after it plunged into the Atlantic Ocean more than 1,200 miles from Cape Canaveral, Fla.

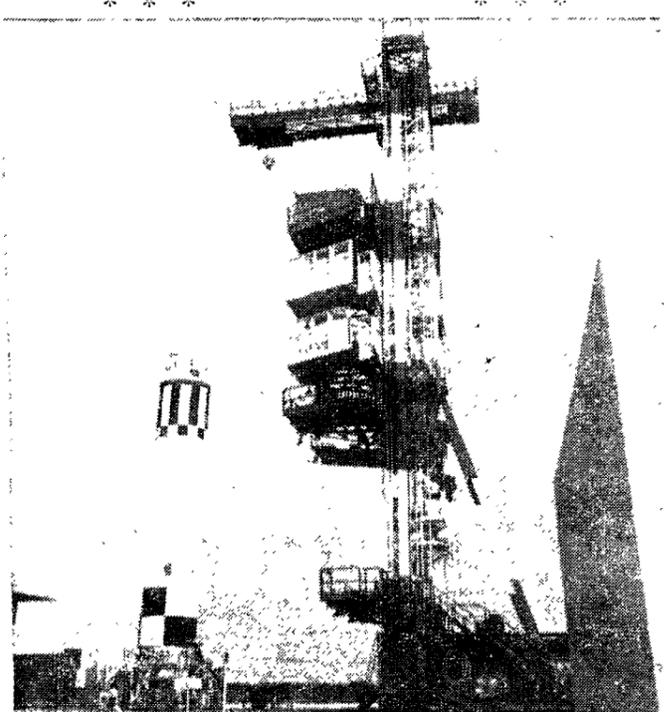
The recovery project was assigned to the Structures and Mechanics Laboratory of the Missile Agency, which is directed by William A. Mrazek, one of the original team of scientists headed by Dr. Werner von Braun who came to the U. S. from Germany 13 years ago.

Mrazek and his Laboratory personnel played key roles in the launching of the two Army scientific earth satellites, Explorers I and III.

M. E. Huston, technical superintendent (See RECOVERY on Page 3)



SMALL FRY AT CONTROLS—A youngster gets the thrill of a lifetime operating the controls of a Hawk guided missile launcher, while his small friends look on admiringly and await their turn, during Huntsville's Armed Forces Day celebration last Saturday. The Hawk, an anti-aircraft weapon, was one of several missiles and exhibits displayed in downtown Huntsville by the Army Ordnance Missile Command and the Ordnance Guided Missile School.



BEFORE NOSE CONE FIRING—Above photo shows the Jupiter missile erected on the launching pad at Cape Canaveral, Fla., prior to launching last week, when the Army successfully recovered an actual full-scale nose cone for the Jupiter after an in-flight test.

The Redstone Rocket

The Redstone Rocket is a privately owned newspaper published every Wednesday by Jack W. Hoffhaus, Hartselle, 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.

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Graduation

(Continued From Page 1)

ing the Army's need for completely mobile firepower on the battlefield.

Redstone's guidance system is entirely self-contained and once launched the missile follows a pre-planned trajectory to its target independent of outside influences. There are no known countermeasures to block this "Sunday punch."

The target data or flight program is set into a program device which then plays back the flight information to the various elements of the control system which actually guides the missile in its flight. The missile's course is predetermined and thus differs from guided missiles which are controlled in flight from the ground.

The Redstone was developed by personnel of the Army Ordnance Missile Command at Redstone Arsenal for which the weapon was named. Army Ordnance Missile Command Commander is Maj. Gen. J. B. Medaris. Heading the development team was Dr. Wernher von Braun who is chief of Development Operations at the Army Ballistic Missile Agency. Early work on the Redstone got under way in 1950. It was first fired in 1953 from Cape Canaveral, Fla., the first American-made ballistic missile to be fired from that test center.

The missile is best known for its role in launching the Explorer scientific earth satellites and each for its contribution in finding a practical solution to the reentry heating problem. These are among the contributions of the Jupiter C, mainstage of which is a modified Redstone.

Production of the operational Redstone is the responsibility of the Chrysler Corporation's Missile Division. The missile is manufactured in a Government-owned plant which Chrysler operates near Detroit. Thousands of industrial fabricators and suppliers from coast to coast participate in the production program.

The Redstone was designed as a highly mobile field artillery weapon. It can be moved quickly over great distances and fired in the field in a relatively short time.

The Army will employ surface-to-surface missile commands armed with the Redstone to extend and supplement the range and firepower of artillery cannons. The ground commander will have at his disposal for modern warfare long range missile units situated well to the rear of exposed battle areas. From this protected location he will be able to deliver increased firepower over areas of great width and depth. To insure effective response to the fire support requirements of

Army combat forces the missile units will be employed in consonance with the accepted principles of artillery fire support.

Weapons such as the Redstone also permit timely and powerful support of the airborne attacks and other deep penetrations into enemy territory.

The 40th Group is composed of five units: the Headquarters and Headquarters Battery; "A" and "B" Batteries of the 217th Field Artillery Missile Battalion, which are the firing elements of the Group; the 580th Engineer Company; and the 630th Ordnance Company.

Unlike ordinary field artillery groups the 40th is entirely self-contained—all units of the Group are assigned, not attached. Each is an integral part of the Group. In the normal field artillery group the firing and service units are attached to the group headquarters and are subject to be transferred to other groups as the situation demands.

Following is a summary of the responsibilities of each of the Group elements and how they function together to form an effective and completely mobile artillery unit:

The Headquarters Battery supports the other group units with common services, personnel administration, and logistics. Headquarters also performs the firing site surveys, provides fire direction and conducts certain maintenance for the firing batteries.

The Ordnance Company receives the missile from the depot and provides checkouts and maintenance service before they are delivered to the firing batteries. Ordnance performs acceptance checks when the missiles are first received. The Company continues to check the weapons periodically as long as they are in its hands to assure reliable functioning. Other duties of the Ordnance members of the team include receiving and mixing the missile fuel alcohol.

Primary duty of the Engineer Company is to manufacture and deliver the liquid oxygen, oxidizer for the Redstone fuel. The Company is equipped with several mobile manufacturing plants.

The Engineers are responsible for maintaining their equipment. In a Redstone Unit considerably more maintenance will be performed in the field than in a normal group.

The two firing batteries of the Redstone missile group or the Engineer and Ordnance Companies are responsible for transporting the missile and related equipment to the firing site, depending on the situation. The missiles are transported in three sections, joined together at the launching site, and then checked out while in horizontal position. The firing batteries then erect the missile

Veterans

(Continued From Page 1)

Carson, Col. when he transferred to Artillery in 1952, received training in the Corporal Missile System at Fort Bliss, Tex., and was assigned to the 259th Field Artillery Missile Battalion, the first unit to deploy the Corporal in Europe.

Master Sergeant James W. Bailey, who has spent 13 years in the Army, is Firing Battery Chief of "A" Battery. He served in the campaigns from New Guinea to the Philippine Islands in World War II as an Army officer, becoming a Master Sergeant in 1946 after the war ended.

He served with the 259th Battalion in Germany with CWO Frost.

Sergeant First Class Thomas Deck is Firing Section Chief. He entered the Army in October, 1939, and has served in Armor, Engineer and Artillery units. He landed in Normandy with the invasion forces and spent 33 months in combat during World War II.

Completing a course in the Corporal System at Ft. Bliss in 1956, he joined the 217th Field Artillery Battalion at Redstone conducted the launching, was Capt. Douglas W. Blalock, who fought in the Pacific area in World War II and in Korea.

He was with the 24th Division Artillery in Japan when fighting broke out in Korea and was in the first Army Division to reach the front. He was captured and remained a prisoner for two months, then escaped and for a time was carried as "missing in action" until he made contact with U. S. Forces.

Later, at Ft. Sill, Okla., he commanded the 1st Field Artillery Rocket Battery which launched the first troop-fired Honest John rocket—a heavy battlefield type weapon.

Chief Warrant Officer Robert L. Frost is senior technical advisor to Capt. Blalock. He has more than 13 years service in the Armed Forces, having spent five years in the Ordnance Arsenal, predecessor to the 40th Group. Deck's section is responsible to check out the Redstone Missile and prepare it for launching.

SFC Clifton R. Amerson, Missile Servicing Section, supervised the mating of the missile sections, its erection on the launching pad,

Flight

(Continued From Page 1)

a colored balloon, dye marker, signal lights, shark repellent, and a radio transmitter.

On Aug. 8, 1957, a scale model nose cone similar in composition and construction to Sunday's full-scale model was launched and recovered.

Air bottles inside the cone inflated a 5-foot orange-and-blue balloon which marked the location of the cone's plunge into the sea. A small light flashed above the bobbing balloon and a yellow-and-green marking dye containing shark repellent spread over the water.

Ships and planes involved in the recovery operation were further aided in pinpointing the cone's location by radio signals transmitted from instruments on the balloon.

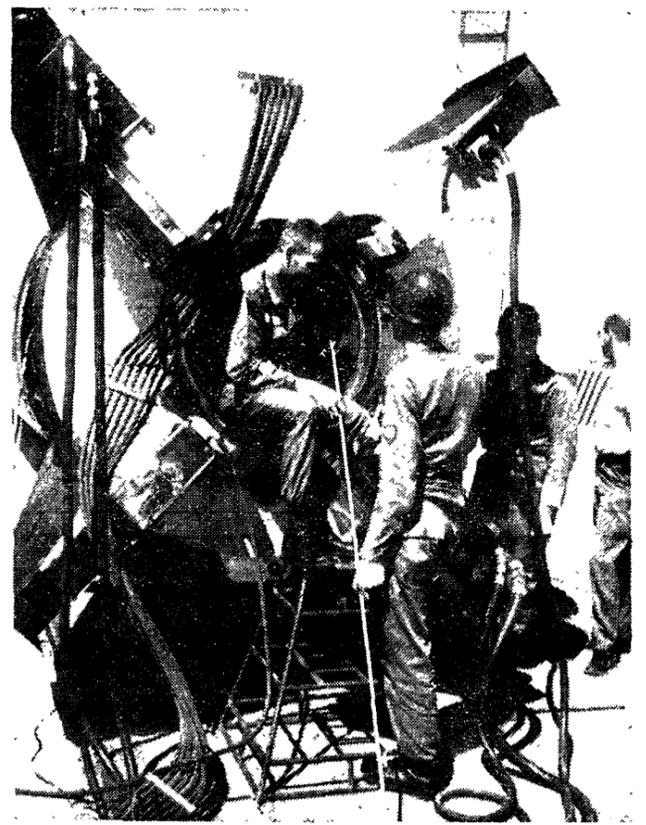
The "frog men", careful not to antagonize the ever-present sharks, attached the cone to a buoy. The USS Escape, an auxiliary submarine rescue ship, carrying special hoisting gear designed by Army Ordnance Missile Command engineers, carefully raised the cone to the ship's deck.

and perform checkout functions in the vertical position.

The firing units then fuel the missile with fuel and oxidizer provided by the Ordnance and Engineer Companies. Ordnance issues the warhead and stands by during the checkout procedure with a supply of parts ready for last minute replacement.

The Redstone rises slowly at first and then accelerates to many times the speed of sound. As it rises the controls cause the missile to tilt and head toward the target. When the necessary velocity has been attained, outside the earth's atmosphere, the rocket engine shuts off and the missile coasts. Soon after cutoff the power plant and the fuel tanks which compose the booster, separate from the guidance and warhead section. The booster falls away, striking the earth short of the target.

Signals played from the program device activate the guidance system in flight, controlling it so that the Redstone follows the pre-computed path to the target.



CHECKOUT—SFC Amble B. Carter of the 40th Group works in the missile thrust chamber during horizontal checkout last week when the 40th, the Army's first missile Group, also became the first U. S. military unit to launch a large ballistic missile.

* * *

fueling and supply of high pressure air to missile systems.

He came into the Army in 1947 and spent five years in Alaska with the Medical Corps, attached to artillery units. He transferred to Artillery in 1953 and received Corporal training at Fort Bliss. He joined the Redstone Battalion May 1, 1956 and, in point of service with the Redstone unit, is the oldest man in the Group.

Sgt. Louis Fiore, Jr., Chief of Pneumatic and Electrical Systems, joined the Army in February, 1953 and was trained as a launching section chief with the Corporal system. In three years he took part in 80 Corporal launches.

His responsibilities cover the installation of all electrical and pneumatic power necessary for the checkout and launching of the nose.

Specialist 3 Elmer N. Knutson operated the firing panel. He joined the Army in 1940, served with the 61st Coast Artillery, and fought in Europe in World War II for 42 months in France, Belgium, Holland, Luxemburg and Germany. Earlier his unit engaged enemy forces in Iceland.

In 1953 he assisted in the firing of captured German V-1 rockets, variously known as the "Loon" and "Buzz Bomb", at White Sands Proving Ground. He joined the Redstone Battalion in July, 1956.

First Lieutenant Pascal W. Pascarella, one of the youngest men of the firing team, is the Executive Officer of "A" Battery. He attended St. Bonaventure University, joined the Reserve Officers Training Corps as a student and was commissioned in September, 1953.

* * *

Lt. Pascarella also completed the Corporal training course at Ft. Bliss and was a member of the staff of the 247th Field Artillery Missile Battalion when transferred to Redstone Arsenal in July 1956.

In addition to the Artillery personnel, the 40th Group includes an Engineer Company and an Ordnance Company.

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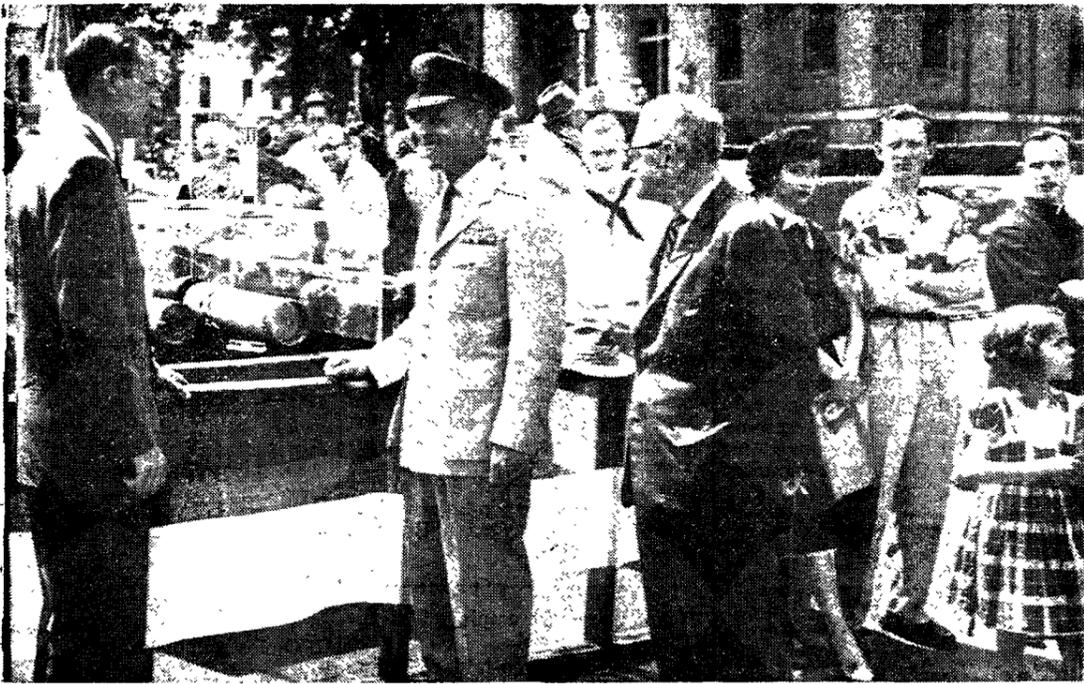


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SPEAKER AND DISPLAY—Maj. Gen. Benjamin J. Webster (center), Air Force officer from Washington, D. C., who was principal speaker for Huntsville's Armed Forces Day celebration last Saturday, looks at a downtown display featuring a full-size model of an Explorer earth satellite from the Army Ordnance Missile Command. With Gen. Webster is D. C. Boone (left), Huntsville's chairman for the AFD observance, and Mayor R. B. Searcy.

mand of the Air Force Missile Test Center for splendid assistance provided to the Army in the course of our many test and experimental launchings of ballistic missiles and long-range rockets here."

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Recovery

(Continued from Page 1)

visor for the Army on the project, coordinated the efforts of the Cook firm and Navy and Air Force teams. Huston had the same responsibility for a successful test Aug. 8, 1957, when a scale model Jupiter cone was recovered. This was shown to the nation by President Eisenhower on a television broadcast.

Missile Agency engineers responsible for design and develop-

ment of the nose cone included Emil Hellebrand, Chief, Structures Branch; Gustav Kroll, Deputy Chief; Frederick E. Vrauls, Chief, Satellite Re-entry Structural Design Section; G. R. Thrower, Chief, Aft Section Design Unit; Dr. William R. Lucas, Chief, Engineering Materials Branch; Clyde Holmes, Office of the Chief, Engineering Materials Branch; Samuel L. Burt, Chief, Plastics Unit and F. Uptagraff.

The Agency had observers aboard the Navy ships which ringed the impact area at sea. They were Hans G. Paul, Propulsion and Mechanics Branch Chief, also a Penemuende missile developer; D. W. Barton, E. M. Baraza, L. A. Soileau, J. A. Lysaght, F. K. Pauli, D. E. French, and Julian Hamilton, all from the Structures Laboratory; Robert Nuber, Aeroballistics Laboratory; Dr. D. D. Woodbridge, Research Projects Laboratory; Ray Ham-bree; Capt. W. G. Nichols, ABM-A Project Officer at the Missile Test Center; Lt. Col. John V. Fill and SFC W. E. Foster, Signal Office, Missile Agency.

White Sands

(Continued from Page 1)

11, 1945. On Feb. 24, 1949, a two-stage missile was fired consisting of a captured V-2 and WAC Corporal missile combined. It attained an altitude of 250 miles, then a world record.

White Sands Missile Range maintains appropriate scientific, technical and service staffs and facilities to perform its assigned functions.

Gen. Wyman Witnesses Launching of Redstone

CAPE CANAVERAL, Fla. — General Willard G. Wyman, Commanding General, Continental Army Command, witnessed the launching Friday of the Redstone Ballistic Missile at Cape Canaveral, Fla.

The launching of the tactical missile was the first by troops of the 40th Field Artillery Missile Group (Redstone) which has completed training at Redstone Arsenal, Ala.

Commenting upon the firing, General Wyman said:

"This is another significant achievement in the Army's long history.

"It marks a milestone in the Army's forward-looking work in missile development program and the beginning of the operational phase of the Redstone missile.

"It points to the end of an epoch during which the Army employed conventional heavy artillery of limited range and destructive capability, and the beginning of a new era, that of mobile, heavy missile artillery systems capable of delivering large warheads, either high explosive or nuclear, over much greater ranges than ever were attained by surface weapons previously.

"I want to congratulate the Army Ordnance Missile Command for its success in completing this history-making undertaking and especially Colonel Robert C. Gildart and his men of the 40th Field Artillery Group who so ably represented the new breed of Army missile men today.

"The Army will continue to move forward in the employment of the latest advances of science and technology to strengthen our defenses. As one member of the Army-Navy-Air Force team, the Army is ready to contribute our share on the battlefield. The fulfillment of our missions is possible only through the cooperation of all three Services.

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Training Troops to Man Redstone Is Long and Involved Process

Training the soldiers who man one of the largest and most potent land weapons ever devised is a long and involved process.

For the men who operate the Redstone missile, the process started in earnest at the Army Ballistic Missile Agency about a year ago.

The 40th Field Artillery Missile Group (Redstone) is conducting its graduation firings this month — becoming the first American military unit to fire large ballistic missiles. All of the larger missiles fired to date have been launched by the professional scientists and engineers who developed them.

The Army formed its first Redstone missile unit, the 217th Field Artillery Missile Battalion, at Redstone Arsenal in April, 1956. It was a small unit at cadre strength, and it had a double mission: to begin formulating the training procedures for the Redstone missile and to assist the Army Ballistic Missile Agency in developing launching and handling equipment and establishing a field checkout system.

By March, 1957, the battalion had progressed to where it was able to take part in a command post exercise, the "King Cole" maneuvers, in Louisiana.

The 217th continued to fill out its rolls and form training and operating concepts as it entered its actual training phase. In September, 1957, the 40th Field Artillery Group of Fort Carson, Colorado, was redesignated a Field Artillery Group (Heavy) and transferred to Redstone Arsenal.

The 217th became the firing base part of the new Missile Group. Meanwhile the 580th Engineer Company and the 630th Ordnance Company joined the

40th Group, and the new organization rapidly built to its authorized strength of over 600 officers and enlisted men.

Newcomers to the 40th were given basic training during late 1957 and early 1958.

February and March were occupied by advanced unit training, during which time several maneuvers were conducted on the Redstone Arsenal reservation. One tactical exercise was made to Ft. McClellan, Ala., by all elements of the Group.

Earlier, a few key technical personnel from the two firing batteries participated in a Redstone launching at Cape Canaveral. They performed certain of their normal functions under the supervision of the Army Ballistic Missile Agency's Missile Firing Lab.

With advanced unit training behind them, the missilemen in early April were given Army Training Tests by representatives of the Third Army.

In these tests each unit performed as it would have under battle conditions, as nearly as possible.

The Engineer Company set up its mobile liquid oxygen plant in the field, manufactured, and delivered its product. The Ordnance Company performed the pre-issue checkout, and issued the missiles and their "warheads."

The Headquarters Battery was required to accomplish a site survey for each battery firing site and compute the fire mission for the simulated firings.

The firing batteries erected their missiles, checked them out, fueled them, and conducted simulated firings.

Communications maintenance services were performed under

realistic conditions.

All of the functions had been performed earlier during the advanced unit training phase. Also during the testing period all segments of the Group were preparing their equipment for graduation firings.

The graduation firings are being conducted entirely by the troops. The Group is functioning just as it did in the training tests, except that liquid oxygen is being provided less expensively from normal proving ground sources, eliminating the need for transporting the truck-mounted manufacturing plants.

APPRENTICESHIP GRADUATION SET

Certificates Will Be Given Thursday

The fourth group of journeymen to complete a four-year Apprenticeship Program at the Army Ordnance Missile Command will be presented certificates of completion at the Rocket Auditorium, Redstone Arsenal, tomorrow at 1:30 p.m.

Col Keith T. O'Keefe, Post Commander of Redstone Arsenal, will make the individual presentations to 46 graduates.

John P. Walsh, Director of Trade and Industrial Education, U. S. Office for Education, will deliver the principal address. John F. Ingram, State Director of Trade and Industrial Education, will also appear on the program.

The graduates of the Apprenticeship Program have received training one day out of each week for the past four years in the classroom where they have further developed their skills by studying and mastering such subjects as mechanical drawing, blueprint reading, physics, general mathematics, algebra, trigonometry, English, and other subjects directly related to their trade.

The first apprentice at Redstone Arsenal was employed on 14 August 1951 and since that time 89 apprentices have successfully completed the course of training. Of these 89 graduates,

JONES, McALILLY NAMED TO NEW POSITIONS IN CIVILIAN PERSONNEL

Stuart H. Jones and W. A. McAlilly have recently been named to new Civilian Personnel positions within the Army Ordnance Missile Command.

Jones is now Deputy Director of the AOMC Civilian Personnel Office. McAlilly is Director, Civilian Personnel Office, Army Rocket and Guided Missile Agency, a segment of the Missile Command.

Capt. German Goes Into Regular AF

Capt. Joseph German, 864th Strategic Missile Squadron, has recently received a commission in the Regular Air Force. The oath was administered by Col. William C. Erlenbusch, Commander of the 864th. The captain, a senior navigator, was awarded the Air Medal with four bronze oak leaf clusters and the Commendation Medal during his duty as a Reserve Air Force officer.

Previously announced Civilian Personnel Assignments within AOMC included those of Robert F. Mello, named Director, CPO, AOMC; Charles L. Barrineau, Director, CPO, Redstone Arsenal; and Arthur Sanderson, Director, CPO, Army Ballistic Missile Agency.

Before his recent assignment, Jones was Director, CPO, for Redstone Arsenal. McAlilly's former job was as Chief, Pay and Job Management Assistance Division (Salary and Wage Board), CPO, Redstone Arsenal.

A native of Cleveland, O., Jones attended Franklin University and Ohio State University. He entered Civil Service in 1937. He served with the United Nations Organization for two years (1946-48) as a consultant in the establishment of the personnel program for the Secretariat. He has also served in various other personnel capacities, with assignments in Columbus, O.; Washington, D. C.; New York City; and Baltimore.

McAlilly is a graduate of Millsaps College, Jackson, Miss. Prior to his assignment at Redstone, he was with the Army-Air Force Wage Board in Washington since 1951. McAlilly is governor of Area 5, District 48, of International Toastmasters, which includes Huntsville and surrounding area.

87 are presently employed at the Missile Command.

There is a three-fold objective in operating an organized apprentice program: assurance of an adequate number of craftsmen to keep key occupations staffed at all times, establish a reserve of skilled craftsman to meet needs in case of expansion due to war or national mobilization, and to establish a reserve of potential workers from which supervisors may be developed.

The Apprenticeship Program at AOMC is registered through the Office, Chief of Ordnance, with the Apprenticeship Division, United States Department of Labor, under the standards of the Federal Committee on Apprenticeship, national advisory body to the Secretary of Labor and the Bureau of Apprenticeship.

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New Toastmaster Club May Be Organized Soon

By Capt. 'Rudy' Nottrodt
Do you feel comfortable when speaking before a group? when you were acting as conference leader, did you accomplish the business within a reasonable time period? Are you familiar with parliamentary procedure? If you were a member of a Toastmasters Club, you would be receiving training that would help you answer "Yes".

A Toastmasters Club is an organized group of ambitious, capable men, over 21 years of age, who seek to improve themselves in the arts of speech and leadership, as means of increasing their usefulness in military, business, social and civic relationships. Toastmasters is primarily designed for the mature mind.

The fundamental purposes of the Toastmasters Clubs are:

... To improve their members in oral expression of thought.

... To develop their ability to appear effectively before audiences.

... To provide constructive criticism and comment on all speeches, giving each speaker the benefit of audience reaction.

... To develop the habit of analytical listening.

... To provide instruction and experience in chairmanship and parliamentary procedure.

... To promote good fellowship among men interested in speech improvement. These purposes are accomplished through the standard club procedure, which includes speech practice, speech evaluation and parliamentary training.

Men in business, military, and professional life are usually the most readily interested in the club. They realize the value in their work of ability to speak forcefully. Any ambitious man with reasonable educational preparation can make good use of the opportunity afforded by the Toastmasters Club.

There are presently three Toastmaster Club in Huntsville—The Redstone Club, the Huntsville Club, and the Mason-Dixon Club. Membership in these clubs is almost entirely composed of military and civilian personnel from Redstone Arsenal.

The Toastmaster Clubs of Huntsville desire to extend their program so that more people may benefit. Interest in helping both military and civilian employees to become more proficient in public speaking has prompted the consideration of organizing new clubs, perhaps even to include luncheon clubs.

Vacancies exist in each of the three local clubs. The Mason-Dixon Club meets each Monday night at Morrison's Restaurant at 6:15 p.m. Graham Shovelton is president and may be contacted at Ext. 3060. The Redstone Club meets at 6:30 p.m. each Tuesday, also at Morrison's Restaurant. Bob Cramer, club president, may be contacted at Ext. 3355. The Huntsville Club meets Thursday nights, 6:15 p.m. at the Fox Restaurant. Club president Jim Mullins may be contacted at JE 6-2471.

Since all the local clubs presently conduct evening meetings, it has been difficult for some interested individuals to join the

Incentive Awards Column

TWO AOMC MEN TEAM UP WITH ILL. EMPLOYEE TO WIN '3-WAY' AWARD

Two Army Ordnance Missile Command employes have teamed up with another Ordnance employe in Illinois to win a three-way incentive award for a suggestion in the area of missile transportation.

The two local men are Oscar H. LaVay of the Redstone Arsenal Traffic Management Office, and Ben Teeter of the Field Service Division, Army Rocket and Guided Missile Agency.

They, along with Clyde Jess of the Savannah (Ill.) Ordnance Depot, suggested a new method of packing rocket motors for shipment, resulting in a considerable savings in space and transportation costs.

The trio divided a \$475 incentive award.

Maj. H. R. Del Mar, Command Transportation Officer, praised the men for their "valuable contribution to the missile program."

Mrs. Dorothy E. Cottles recently

became the first person in the newly-established Army Rocket and Guided Missile Agency to receive a Sustained Superior Performance Award. The award was presented by Brig. Gen. John G. Shinkle, ARGMA Commander. Mrs. Cottles is a clerk who transcribes from a dictating machine. Her award was for her work during the period Sept. 1, 1957, to March 1, 1958.

Mrs. Marzell Motley recently received an Outstanding Efficiency Rating and a Sustained Superior Performance Award (with cash award of \$200) for her work as a secretary in the office of the Commanding General, AOMC. Mrs. Motley is from Sylacauga, Ala.

Col. Harold E. Bisbort, U. S. Army District Engineer at Mobile, has announced the award of a contract amounting to \$52,558 to the Perry Electric Company of Decatur, Ala., for exterior electrical work in the fuel test area at Redstone Arsenal.

The work will consist of constructing a new substation on a concrete pad, constructing underground conduit lines, changing sizes of two poles, and installing new overhead lines, in order to

improve electrical service to the fuel test area.

The District Engineer explained that the award was made on the basis of limited bidding rather than open bidding in order to speed the work, which is urgently needed in the important work of the Army Ballistic Missile Agency. Proposals were asked from six prequalified firms and received from three. The contract was negotiated with the firm submitting the lowest proposal.

The contractor is expected to start work shortly and to complete the job in November.

Decatur Firm Gets Contract for Work on Fuel Test Area Here

Col. Harold E. Bisbort, U. S. Army District Engineer at Mobile, has announced the award of a contract amounting to \$52,558 to the Perry Electric Company of Decatur, Ala., for exterior electrical work in the fuel test area at Redstone Arsenal.

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Demetron Top Speaker at Toastmaster Meet

Tony Demetron was elected "best speaker" at the regular weekly meeting of the Redstone Toastmasters last week. The title of his talk was "The Inequities in the Current Methods of Determining Assessments for Utilities Installation in Huntsville."

Other speakers on the program included T. C. Burns, who summarized the events at the recent District meeting of Toastmasters International in Huntsville; Norm Hedges, who graphically illustrat-

ed the types and values of cuts of beef and their merits; and Bob Cramer, who gave a humorous account of the effects of political campaigns on these participants. Bill Greene served as Toastmaster.

Table topics were led by Herb Adecock; Ed Lawrence served as grammarian; and Capt. B. T. Strain as parliamentarian. The evaluation portion of the meeting was led by Tom Enzor.

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DO YOU HAVE A GIRL IN THIS PORT YET?"

DO YOU HAVE A GIRL IN THIS PORT YET?"



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PRESENT SKIT FOR OFFICERS' WIVES — A ladies game of contract bridge was enacted last week at the Redstone Arsenal Officers Wives Club luncheon by (left to right) E. L. McInnis, William King, T. M. Dorman, and A. C. Lagrone. The game was a skit presented by the foursome, who are all management analysts on the arsenal.

Men 'Steal Show' With 'Cards' Skit for Officers Wives Club

Four management analysts from Redstone Arsenal and the Army Rocket and Guided Missile Agency "stole the show" at the Redstone Arsenal Officers Wives Club luncheon last week with a skit titled "If Men Played Cards Like Women Do."

Participating in the skit, which portrayed a "man's view" of ladies playing contract bridge, were A. C. Lagrone, Control Office, Redstone Arsenal; E. L. McInnis, Control Office, ARGMA; T. M. Dorman, Industrial Division, ARGMA; and William King, Control Office, Redstone Arsenal.

Ordnance Guided Missile School Wives were hostesses for the luncheon and decorations were carried out in a Maytime theme. Screens at the entrance to the Officers Club were adorned with sprays of wild roses and dainty doilies sprinkled with assorted spring flowers.

One large pillar at the sherry tables and two large pillars marking the head table were wrapped as May poles with colorful strips of crepe paper. In addition, each table was decorated with a miniature May pole complete with ribbon streamers and surrounded by paper May pole dancers, each with bouffant skirt and nosegay of spring flowers.

The head table was highlighted by a lovely bouquet of gladioli and carnations. This bouquet was given as door prize and went to Mrs. R. W. Elder.

Mrs. Walter Mullane, president of the Wives Club, opened the program by extending a special word of welcome to the wives of the 864th Strategic Missile Squadron, who are newcomers to the Club. At the conclusion of the program, baskets of flowers were presented to Mrs. W. R. Spragins,

wife of Maj. Gen. Spragins (Ret.) of Huntsville; Mrs. K. T. O'Keefe, wife of the Post Commander; and Mrs. J. A. Barclay, wife of the Army Ballistic Missile Agency Commander.

Committee members for the occasion were: Decorations: Mrs. J. D. Stewart, chairman; Mrs. Charles E. Michaels, co-ordinator; Mrs. R. W. Elder, Mrs. Claude Cason; and Mrs. William Burns.

Publicity: Mrs. E. M. Amos, chairman, and Mrs. Hobart Smith, co-ordinator.

Program: Mrs. E. W. Eubank, Jr.

Reservations: Mrs. Carl Messinger, chairman; Mrs. G. W. Budd, Mrs. W. L. Gilbert, and Mrs. J. Berry.

Sherry tables: Mrs. C. D. Leatherman, chairman; Mrs. John Thureson, Mrs. M.D. Parker, Mrs. Claude Cason, Mrs. A. G. Cole, Mrs. B. C. Rulong, Mrs. William

Immaculata Sodality Officers Elected

New officers for the Immaculata Sodality at Redstone Arsenal, elected during the recent May meeting, are: Mrs. J. G. Ziedt, Prefect; Mrs. W. J. Durrenberger, First Assistant Prefect; Mrs. C. H. Rawleigh, Second Assistant Prefect; Mrs. Sam Jernigan, secretary; and Mrs. R. P. Brinkpeter, treasurer.

In addition to the election of officers, Mrs. M. H. Dakin presented a talk concerning art and its different media.

On Sunday, 25 May, at 2:30 p. m. at the Post Chapel there will be a May Procession followed by the crowning of the Blessed Virgin Mary. Installation of officers will take place and there will be another reception into the Sodality of the Blessed Virgin. For further information call Mrs. Jernigan, ext. 2450.

Georgia Tech President To Address Alumni Group

Dr. Edwin D. Harrison, the new president of Georgia Tech, will be the guest speaker of the Huntsville Chapter of the Georgia Tech Alumni Association at a dinner meeting to be held at the Huntsville Country Club on Friday evening, 13 June, with ladies invited.

Details of the program will be announced later. All Georgia Tech alumni of the North Alabama Area are urged to make their plans to attend on the above date. Reservations may be made by calling Ben H. Keyserling at Ext. 2204 or JE 6-2381. Reservation cards will be mailed out by the secretary.

Harrison, and Mrs. R. W. Elder.

More than 160 wives and guests attended the event.



'THIS IS YOUR LIFE, COL. SHEPHERD' — Lt. Col. Daniel F. Shepherd greets a surprise guest—his dog, Opal—during a "This Is Your Life" skit at a recent farewell party held by the ABMA Control Office in honor of Col. and Mrs. Shepherd, who will leave soon to attend the Industrial War College in Washington, D. C. Bringing Opal in is Mrs. Eileen Hennessee and looking on is Mrs. Shepherd.

Daughter Is Born To Lt., Mrs. Morrow

Lt. and Mrs. R. D. Morrow announce the birth of a 7 lb. 2½ oz. daughter, Michelle Anne, at Huntsville Hospital on 13 May. Lt. Morrow, aide-de-camp to Maj. Gen. J. B. Medaris, Commanding General of the U. S. Army Ordnance Missile Command, is the son of Mr. and Mrs. Robert Morrow of 4520 Frankford Ave., Philadelphia, Pa. Mrs. Morrow is the daughter of Mr. and Mrs. P. E. Surette of 46 Washington St., Reading, Mass.

The more perfect a man is the more girls try to altar him.

Safety Scoreboard

(As of 12 May)

Days since last civilian disabling injury—5.	Our Goal	30
Days since last military disabling injury—3.	Our goal	33
Days since last contractor personnel disabling injury—45.	Our Goal	100
Days since last government vehicle accident—11.	Our Goal	30

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Birmingham Pistol Club Keeps Trophy in Matches With Post

William Fulham from Birmingham was high aggregate winner with 1010 out of 1100 possible points at the Monthly National Rifle Association Match held by the Redstone Arsenal Pistol Club on Wednesday, 11 May. This enabled the Birmingham Club to keep the traveling trophy that is given to the high shooter between the Birmingham and Redstone Pistol Clubs. He also won Match No. 3 the Centerfire National Match Course with 275 out of a possible 300.

George Ellis from Muscle Shoals won Match No. 1, the .22 Cal. National Match Course while SP3 Fred Newton, OGMS with 194 out of a possible 200 points won Match No. 2 the Centerfire Timed Course. Wes Grant from Birmingham won Match No. 4, the .45 Cal. NMC and was 1st Expert in Match No. 2.

High scorer for the Redstone Club was CWO George Seely, OGMS, with 1002 points who was also 1st Expert in Matches No. 1 and 4 and won the expert aggregate. Robert Ekis, Huntsville, was first Expert in Match No. 3.

SP3 Fred Newton also was 1st sharpshooter in Match No. 3 and won the sharpshooter aggregate. SP3 Donald R. Watkins, ABMA, was 1st sharpshooter in Match No. 1 and Donald Dixon from Nashville was 1st in Match No. 4. Orval Stanley was 1st sharpshooter in Match No. 2.

In the Marksman Class, Eugene Head, from Birmingham was 1st in Match No. 1 and 2 and the marksman aggregate. Lt. Robert Burrows, ARGMA, was 1st in Match No. 2. Roy Carpenter from

REDSTONE TENNIS TEAM WINS OVER JACKSONVILLE

The Redstone Tennis Team won over Jacksonville State College by a score of 8 to 1 at Jacksonville last week.

Although several of the matches were close, Jacksonville won only in the number three singles match when Robert Motley defeated Jack Gibson of Redstone in three hard sets 2-6, 8-6, 7-5.

Bob Menke in his first match for Redstone played well in winning over Buddy Patty of Jacksonville 6-4, 6-2. W. A. Smith also played in his first match and teamed with Rymasca to win 6-1 and 6-2 over Sims and Patty of Jacksonville.

Other scores were:
SINGLES

Bryan Meharg (RSA) defeated Al Livingston (JSC) 6-0, 6-1.

E. W. Ewbank (RSA) defeated Tom Gillespie (JSC) 6-0, 6-2.

William McCarthy (JSC) defeated Jack Gibson (JSC) 2-6, 8-6, 7-5.

Dave Howgate (RSA) defeated Robert Motley (JSC) 6-3, 6-4.

Ed Rymasca (RSA) defeated Robert Sims (JSC) 7-5, 7-5.

Bob Menke (RSA) defeated Buddy Patty (JSC) 6-4, 6-2.

DOUBLES
Meharg - Howgate (RSA) defeated Livingston - Gillespie 6-2, 6-2.

Ewbank - Gibson (RSA) defeated McCarthy - Motley 7-5, 6-3.

Rymasca - Smith (RSA) defeated Sims - Patty 6-1, 6-2.

Florence was 1st Marksman in Match No. 4.

Lt. Robert A. Rutledge was the tournament director and Robert C. Martin was statistical officer.

On the same day members of the rifle team went to Birmingham to participate in the Monthly NRA Approved Small Boy Rifle Matches. CWO John Mann, OGMS, won first place in the sharpshooter class.

Movie Schedule

Wednesday, 21 May, "The Thing That Couldn't Die", starring William Reynolds, Andra Martin, Carolyn Kearney and Jeffrey Stone (M). Time 1315, 1830 and 2030.

Thursday and Friday 22 and 23 May, "From Hell to Texas" starring Don Murray, Diane Varsi, Chill Wills, Jay C. Flippen (M). Time 1315, 1830 and 2030.

Saturday 24 May, "The Brave One" starring Michel Ray and Fernin Rivera (F). Time 1000 hrs.

Saturday, 24 May, "Somebody Up There Likes Me" starring Paul Newman and Pier Angeli. Time 1830 and 2030 (M).

Sunday and Monday 25 and 26 May, "Desire Under the Elms" starring Sophia Loren, Anthony Perkins and Burl Ives (M). Time Sunday 1400, 1830 and 2030. Time Monday 1315, 1830 and 2030.

Tuesday 27 May, "Friends Without a Face" starring Marshall Thompson, Terence Kilburn and Michael Balfour (M). Time 1830 and 2030.

GOLF TOURNEY SLATED IN JUNE

The Redstone Arsenal 36-hole Medal Play Golf Tournament will be held 12 and 13 June at the Huntsville Municipal Golf Course to determine the players who will represent Redstone Arsenal as a golf team in the Third Army Golf Tournament to be held at Fort Benning, Ga., 21-26 July. The Special Services Officer will be responsible for the conduct of the tournament.

This tournament is open to all enlisted men and officers. Each person desiring to enter the tournament will submit an application in writing to the Special Services Office. Entries must arrive at Special Services Office no later than 1600 hours, 30 May. Participants will be required to pay green fees of \$1 per day at the Huntsville Municipal Golf Course. For further information contact the Special Services Office, Ext. 2501.



IT'S THAT SEASON AGAIN — Time once more for swimming—and for pretty girls posing in bathing suits. Getting the season off to a fine start is Miss Landa Thorn, of Research Projects Laboratory, Army Ballistic Missile Agency, shown above on opening day at the Post Swimming Pool last week. Rocket Pin-up for this week, Landa is from Rogersville. (Photo by Sfc. Jerry English.)

Rifle Club Formed; CWO Mann Is Captain

Redstone now has a rifle club. Its initial entry in competition was made recently at the Izaak Walton League in Birmingham with small bore rifles.

The team is captained by CWO John Mann of the Ordnance Guided Missile School. The members include: Capt. Frederick Young, Provost Marshal office; SFC Ed Beeler, OGMS; PFC Wiley D. Edmonds, U. S. Army Garrison, Redstone; PFC Donald Galbraith, Pvt. James E. Fox, Pvt. Duane R. Marr, and Pvt. Stanley C. Kahn, all Garrison men.

SWO Mann extends an invitation to new members of the club, which has no official name as yet.

Col. Erlenbusch Witnesses Historic Jupiter Launching

CAPE CANAVERAL, Fla.—Col. William C. Erlenbusch, who commands the Air Force Jupiter IREB Squadron now in training at Redstone Arsenal, Ala., witnessed the historic launching of the Jupiter IREB early Sunday which was climaxed by recovery of its full-scale nose cone.

With Col. Erlenbusch were officers of the Squadron staff. They were present at the launching with Brig. Gen. J. A. Barclay, Commander, Army Ballistic Missile Agency.

Lt. Lutz' Beagle Wins In Dog Show at Boaz

"Dixie" Travelling Troubadour, a 15-month-old beagle owned by Lt. Hartwell Lutz of the AOMC Judge Advocate's Office, won first place in the Dixie Association All-Age Championship Stake held Saturday at Boaz, Ala.

The young dog's trophy was awarded after "Troubadour" bested 34 first-place winners from Alabama and Tennessee Beagle clubs.

FIELD SERVICE BOWLING LEAGUE

Team	Won	Lost
Guided Muscles	79	57
Crackers	81	55
Expeditors	76	60
Buzzards	65	71
Peons	64½	71½
Hawks	64	72
Blue Streaks	59	77
Honest Johns	57½	78½

200 Games: Ross, 212, 210; Barney, 206; McCrohan, 201.

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LAST TIMES TONIGHT

MARLENE DIETRICH
The Monte Carlo Story
TECHNICOLOR
RELEASED THRU UNITED ARTISTS

THURSDAY & FRIDAY

THE YOUNG DON'T CRY

starring SAL MINEO
JAMES WHITMORE
J. CARROL NAISH
COLUMBIA PICTURE

PLUS

Patricia MEDINA
Richard DENNING
THE BUCKSKIN LADY

SATURDAY ONLY

WICKED As They Come
Arlene DAHL
Herbert Marshall
Phil Carey
A COLUMBIA PICTURE

Plus

RANDOLPH SCOTT
THE TALL
TECHNICOLOR
A COLUMBIA PICTURE
SUNDAY & MONDAY

M-G-M presents
A SOL C. SIEGEL Production
starring DANNY KAY
in MERRY ANDREW
co-starring PIER ANGELI
In CinemaScope and METROCOLOR

TUESDAY & WEDNESDAY

LOVE AND MURDER
IN THE CITY OF PASSION!
STOP OVER TOKYO
Robert WAGNER
Joan COLLINS
Edmond O'BRIEN
COLOR BY DELUXE
20th CENTURY FOX

READ THE WANTADS

WOODY'S DRIVE-IN

LAST TIMES TONIGHT

Peyton Place
COLOR BY DE LUXE CINEMASCOPE
LANA TURNER
HOPE LANGE

THURSDAY & FRIDAY

DOUBLE FEATURE!
PUBLIC PIGEON No. 1
RED SKELTON * VIVIAN BLAINE
JANET BLAIR
TECHNICOLOR

PLUS

THE GUTS AND GLORY STORY!
THE BOLD AND THE BRAVE
SUPERSCOPE
WENDELL HICKY DON WIDLE
COREY-ROONEY-TAYLOR-MAUREY
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Double Feature

Back To God's Country
* Rock Hudson
Plus
Atomic Man

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25 Silver Dollars Free to the Car With the Lucky Tag Number.

SUNDAY & MONDAY

COLE PORTER'S LES GIRLS
GENE MITZI
KELLY GAYNOR
KAY KENDALL
CINEMASCOPE
METROCOLOR

PARKWAY THEATRE

LAST TIMES TODAY.

WARNER BROS. PRESENTS
CLINT CHEYENNE WALKER
FORT DOBBS
His First Big Motion Picture!
VIRGINIA BRANN RICHARD WAINO KEITH EYER
Written by BURT KENNEDY and GEORGE W. GEORGE - Produced by MARTIN RACKIN - Directed by GORDON DOUGLAS

Wednesday, Thursday.

DEATH OF A SCOUNDREL
Music by MAX STEINER
Plus

VAN JOHNSON
KELLY and ME
CINEMASCOPE
TECHNICOLOR
PIPER LAURIE
MARTHA HYER
A UNIVERSAL-INTERNATIONAL PICTURE

Friday, Saturday.

RORY CALHOUN
DOMINO KID
with BRISTINE MILLER
ANDREW HUGGAN
YVETTE DUGAY
PETER WHITNEY
A COLUMBIA PICTURE
Plus

"HELL IN KOREA"
with RONALD LEWIS
STEPHEN BOYD
VICTOR MADDERN
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FROM MULES TO MISSILES—THAT'S HISTORY OF ARMY'S FIRST UNIT TO BE EQUIPPED WITH REDSTONE MISSILE

At the Service Club

Three days remain before the festa Italiana which is scheduled for Saturday the 24th from 5:00 to 10:00 p.m. Special guests for the evening will include a new hostess group from Birmingham, Alabama.

In the romantic setting of Venezia created in music and lighting the invitati will receive unsurpassed trattamento from the trained staff of La Taverna del Gondoliere.

Carefully schooled in the arts of servizio the maitre d'hotel, Sgt. Nazzareno Beni, and his staff, Sgt. David Panizzon, Sgt. Tino Cavallaro, A 1/C Renato Moncini, Sgt. Ferruccio Furlani, Sgt. Giorcio Pilalt, Sgt. Giuseppe Sero, and Sgt. Franco De Santis will serve the tempting and succulent menu in the style de Italiano. Ferruccio Furlani, apo cuoco, and his assistants are responsible for preparing the delicacies.

Enhancing the dinner atmosphere will be special lighting sequence and music by the Paragons, Willy Murgolo, guitarist, and Umberto Malera, accordionist.

Following dolce and caffe' everyone is invited to see the special entertainment combining both American and Italian artists. Singers Pat Lunmeier, Willy Murgolo, and Dick Burkarth will present a dialogue in music. The theme of romance and gaiety prevailing in Venice is further interpreted by ballerini through the jitterbug, tango, and waltz. Jeanne Tyson and Sergio Entrada will be featured in the American jitterbug. Barbara Pope and Bruno Frascaroli will dance the tango. The culmination of the dance is the waltz which Mario Paolini has directed.

The narrative in Italian will be given by Warrant Officer Ognibene Dante. Written by Dante, Jeanne Tyson, Nathan McCarthy,

technical director, the narrative creates the atmosphere for music and dancing.

The beauty of La Taverna del Gondoliere is created by the lighting designed and displayed by Sgt. Salvatore Puca and A 1/C Vincenzo Ritti. Renato Moncini, artist, has depicted scenes of Italy with an American influence in four paintings. Other decorations, made by Beni, Panizzon, and Cavallaro will feature typical American and Italian colors.

Due to lack of space we regret that only a limited number of dinner guests will be permitted, but the special entertainment and dancing will be open to everyone.

On Sunday three buses will leave the SC for Guntersville Dam and Cathedral Caverns. Following the tours we will picnic for supper, thereby giving the well-fed ants at Guntersville Dam a treat.

Before we can fully recover from the strenuous activities of the weekend Tommy Martin will give the downbeat for more music on Tuesday when the fun-lovers convene for more dancing from 8-12 p.m. Local and out-of-town hostesses will be here for the evening.

Let's have another cup of Caffe'.

MURIEL

CHANCEL CHOIR WILL PRESENT CHORAL SERMON

The Post Chapel Chancel Choir will present a choral sermon during the 1100 hours Protestant worship service at the Post Chapel on Sunday, 25 May.

The anthems to be sung will include "Glory and Worship," Purcell; "Jesu, Joy of Man's Desiring," J. S. Bach; "O The Blessedness Is Great," Bechler; "Thy

From mules to missiles—that's the history of the Army's first unit to be equipped with the Redstone Ballistic Missile.

As recently as 18 months ago, the 40th Field Artillery Missile Group (Redstone) had on its rolls the last mule pack company in the U. S. Army. The 200 mules were retired and the company dissolved some six months before the 40th Headquarters personnel departed Fort Carson, Colorado for Huntsville, Ala., where they were to organize, staff and train the nation's first artillery group equipped with large ballistic missiles.

The 40th has a colorful and meritorious record of service in three wars. The Group was constituted in 1918 as the 40th Field Artillery Regiment. In 1933 it reverted to inactive status, to be activated again at Camp Roberts, Calif., in 1941.

During World War II the unit fought at Normandy, Northern France, Rhineland, Ardennes, Alsace, ad Central Europe.

It was again inactivated at Frankfurt, Germany, in 1946.

In 1951, after the Korean War had begun, the Group was called to active duty again at Fort Carson. During the next five years the Group trained 19 Field Artillery battalions at the Colorado post. Ten of these battalions saw duty in Korea, and several of the others have served in Europe. In this period the 40th also trained an Engineer Construction Battalion and a Transportation Battalion.

In September, 1957, the unit was redesignated the 40th Field Artillery Missile Group and assigned to Redstone Arsenal. There the Commanding General, Army Ballistic Missile Agency, had the mission of training it with the Redstone missile.

Only 40th Headquarters personnel were transferred from Fort Carson to Huntsville. Four of the five units which make up the Group had already been in training at the Arsenal for several months, although they were not at full strength.

These were A and B Batteries of the 217th Field Artillery Battalion (Redstone), which had been formed at the Arsenal a year earlier; the 580th Engineer company, previously organized at Fort Belvoir, Va.; and the 630th Ordnance Company.

The 217th—now inactivated—which furnished the two firing batteries of the Group, also has a distinguished record on the battle field, which includes a seven-month period of uninterrupted

Wisdom, Lord," Davison; "For The Blessings of Our Days," Old Welsh hymn; "The God of Abraham Praise," Hebrew melody; "Immortal, Invisible," Thuman; and "Praise, My Soul, The King of Heaven," Andrews.

The Benediction Response will be "The Lord Bless You and Keep You" by Lutkin.

A cordial invitation is extended to all to be present for this service.

The choir is under the direction of SP3 William H. Shambaugh, and Mrs. Henry M. Clanton will play the organ accompaniments.

combat in France and Germany during World War II. At the time it was reactivated and equipped with the Redstone missile, it was commanded by Lt. Col. Glenn P. Elliott, who had earlier commanded the Army's first Corporal missile unit.

The 40th is now composed of two firing batteries, an Ordnance Company, an Engineer Company,

and the Headquarters Battery which transferred from Colorado. The commander is 43-year-old Col. Robert C. Gildart, West Point graduate, who has an extensive background in the artillery field and in broad operational and organizational planning.

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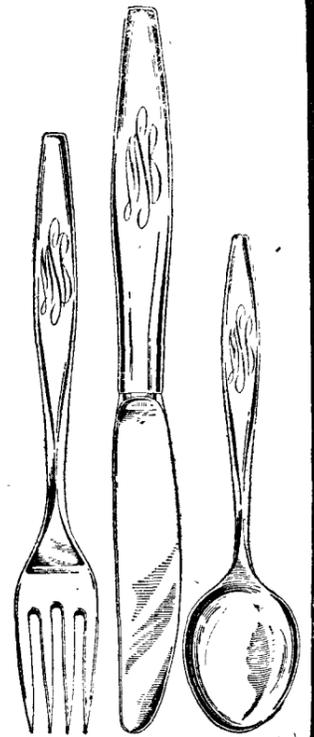
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As 40th Fires Redstone

SMALL GROUP OF OFFICERS, MEN ETCH NICHE IN ANNALS OF HISTORY

A small group of officers and men last week etched a niche in the annals of missile history when the 40th Field Artillery Missile Group became the first military unit to successfully launch a huge supersonic Redstone ballistic missile from Cape Canaveral, Fla. The import of the successful firing of this missile, which has a nuclear capability, is heightened by the fact that "soldiers instead of scientists" have borne out the theory that the Redstone Weapons System is the most reliable of its type to date.

The officers who direct the first heavy missile group are well qualified for their mission. By extensive training at Redstone Arsenal they have obtained the "know how" from the scientists and technicians who work at the U. S. Army Ordnance Missile Command.

Col. Robert C. Gildart, 43-year-old West Pointer of Washington, D. C., commands the first operational Redstone Missile Organization. The former Chief of the Plans Division, Combat Developments, Hq. CONARC, Fort Monroe, Va., heads a colorful and historic unit (from "mules to missiles") which has a meritorious record of service in three wars. Col. Gildart holds the Bronze Star Medal and the Army Commendation Ribbon.

Another West Pointer, Lt. Col. John T. O'Keefe, 40, serves as Col. Gildart's Deputy Commander. O'Keefe entered the Army in July 1935 and graduated from the U. S. Military Academy in 1940. He holds the Bronze Star for Meritorious Service and the Croix De Guerre.

Charged with the training of the 40th Group, Maj. Lawrence E. Stenstrom, Group S-3, is a graduate of State Teachers College of Superior, Wis. Stenstrom holds the Bronze Star Medal for Meritorious Service.

Maj. James T. Gallagher is the Group S-4 (Supply) Officer of the 40th Group. Gallagher entered the Army in March 1938 and holds the Bronze Star Medal for Meritorious Service.

Lt. Col. Thomas A. Haris, a

41-year-old Regular Army Officer, is the Executive Officer of the Group. Col. Harris was formerly with Headquarters, III Corps Artillery, Fort Hood, Texas. Harris was awarded the Bronze Star with Oak Leaf Cluster for Meritorious Service.

Maj. Edwin R. Phillipsen, Jr., is personnel officer and Adjutant of the Missile Group. A graduate of Regis College, Denver, Col. Maj. Phillipsen has been awarded three Bronze Stars, the Purple Heart, and the Combat Infantryman's Badge.

Capt. William C. Gressette, 28-year-old Regular Army Officer, is the Battery Commander of "B" Battery, 217th Field Artillery Missile Group, a key unit of the 40th Group. A native of Columbia, S. C., Gressette was graduated from Clemson in 1951.

"A" Battery Commander is Capt. Douglas W. Blalock who entered the Army in December 1942 and who holds the Silver Star. Blalock is a graduate of Alabama Polytechnic Institute.

Capt. Robert Burland Payne, 37-year-old Regular Army Officer, is the Company Commander of the 630th Ordnance Company (Redstone) which provides the checkout and maintenance service of the Redstone ballistic missile before they are delivered to the firing batteries. A graduate of the University of Virginia, he holds the Bronze Star for Valor.

Headquarters Battery Commander of the Missile Group is Capt. Rudolph Hoffman whose unit provides the Group with normal services, personnel administration and logistics. Headquarters battery also performs the firing sites survey, provides fire direction and conducts certain maintenance for the firing batteries. Capt. Hoffman was awarded the Bronze Star Medal for Valor.

Capt. Michael P. Clayton is Company Commander of the 580th Engineer Company which manufactures and delivers the liquid oxygen, oxidizer for the Redstone's fuel. The company is equipped with several liquid



TALKING MISSILES—AND FLYING — Brig. Gen. Bogardus S. Cairns (center), Commandant of the U. S. Army Aviation School and Commanding General of Ft. Rucker, Ala., discusses missiles and flying with two of the Army's top missile men who are also personally very much interested in flying. Maj. Gen. J. B. Medaris (left), Commanding General of the Army Ordnance Missile Command received his pilot's wings at Ft. Rucker in 1956; and Brig. Gen. John A. Barclay, Commander of the Army Ballistic Missile Agency, is presently taking aviation training under the jurisdiction of Ft. Rucker. Gen. Cairns, the Rucker commander, visited Redstone Arsenal for an orientation tour last week.



COL. JOHN G. ZIERDT

Col. Zierdt to be Honored as Alumnus Of Military Academy

Col. John G. Zierdt, Chief of Staff, U. S. Army Ordnance Missile Command, has been selected to receive the Distinguished Alumni Award in the military field from the Valley Forge Military Academy, Wayne, Penna.

Col. Zierdt was notified of the presentation, which will take place at a homecoming program at the Valley Forge Military Academy on Saturday, May 24, in a letter from Lt. Gen. Milton G. Baker, Superintendent of the Academy.

In addition to attending Valley Forge, Col. Zierdt is a graduate of the U. S. Military Academy, the Command and General Staff College, and the Army War College. Col. Zierdt has also studied at the Massachusetts Institute of Technology.

During World War II he served as Ordnance staff officer in

Capt. Willard's Dogs Win in B'ham Show

"Toughy" and "Spotty", a couple of German short-haired pointers belonging to Capt. Francis J. Willard (Security and Safety Coordinator, ABMA) recently continued their winning ways by taking first and second prizes, respectively, in their breed at the Birmingham Kennel Club Spring Show.

"Toughy" — whose real name is "Zagheit von Brickwedde" — now has won first prize in seven shows and second prize in two shows for a total of six points toward the 15 required by the American Kennel Club for champion rating. His brother, "Spotty" — whose real name is "Fleeweg von Brickwedde" — has won second prize in six shows. The dogs are 23 months old.

oxygen plants. Capt. Clayton holds the Purple Heart and the Bronze Star for Valor.

Panama and the European Theater, becoming executive officer of Headquarters, U. S. Strategic Bombing Survey in 1945. He holds the Bronze Star and the Commendation Ribbon.

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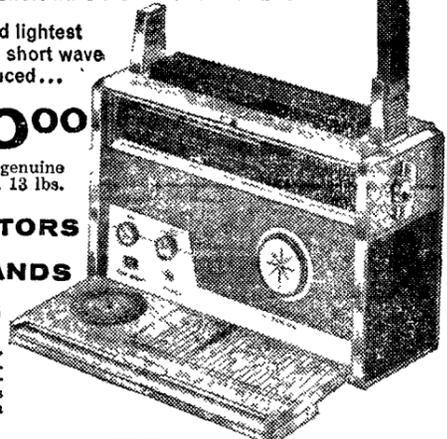
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FOR SALE: Lake front residential property. Also: Lake front cabins and lots. See Word Real Estate and Insurance Agency, Guntersville, Ala. Office at the City Boat Dock. 5-23p

Auction House, West Holmes St. — auction every Thursday night. Furniture sold off the floor each day of the week. If you have anything to sell we will sell it for you on 20 per cent commission. Phone JE 6-2241. tfc

HOUSE FOR SALE— 4 rooms, large hall, bath, front porch, concrete blocks. 3 years old, on acre of land. \$4,000, located on highway 72, app. 25 miles from Huntsville. Phone 156 Scottsboro. 1tc

FOR SALE—Nice AKC registered Pekingese, champion blood line, phone JE 2-2461. 1tp

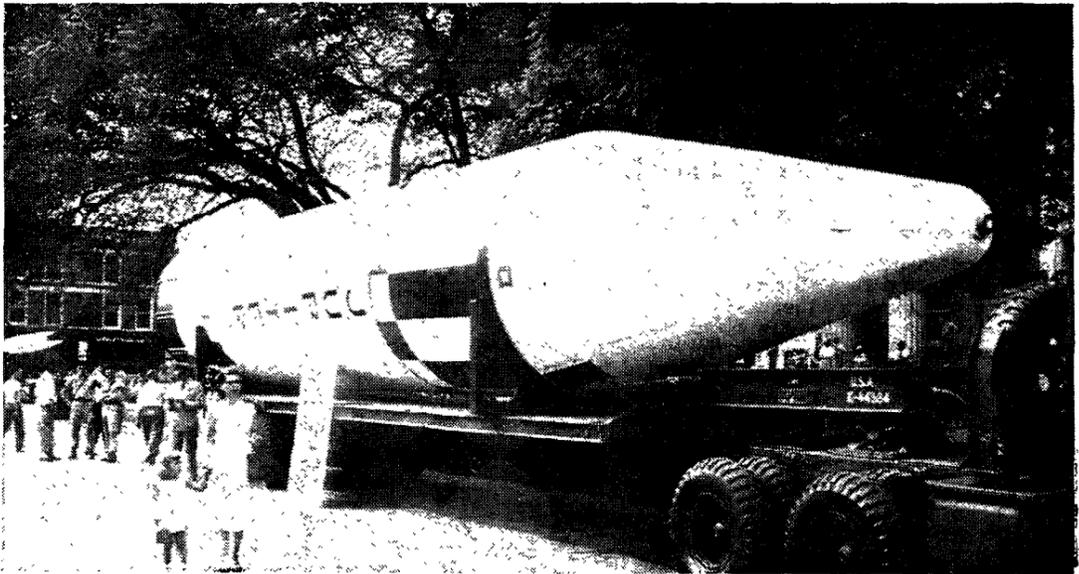
FOR SALE—bluff lots on Crescent Drive, Monte Sano. 'For Sale' sign on property. C. A. Jennings, Phone JE 4-4270. 117 Lynnwood Court. tfc

FOR SALE—1958 Rambler Super 6, 4 door, 2,800 miles, straight shift, 2 tone, blue top, white bottom, original cost \$2640.00, Sale \$2,195.00, phone JE 6-5355. tfc

LOTS FOR SALE—1 acre square lots on Maysville - New Market Highway, about 6 miles south of New Market at Deposit, Ala., \$1000.00 each. Paul Sidney Erwin, Phone JE 2-2908 1tc

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CLOSE-UP LOOK—A little girl and her mother get a close-up look at the mammoth Jupiter Intermediate Range Ballistic Missile during Huntsville's Armed Forces Day celebration last Saturday. The Jupiter, along with other missiles and exhibits, was displayed on the Courthouse Square for the event by the Army Ordnance Missile Command. Troops from the Arsenal also marched in a big parade through the city.

Men of 40th Group Unique in Education, Training, Sense of Duty

The men who make up America's first big missile battle group have a unique standing in education, Army training, and devotion to duty.

These are the men of the Army's 40th Field Artillery Missile Group (Redstone), who today launched the Redstone ballistic missile.

Formal education of the 625 officers and men of the 40th Group averages nearly 12 years — which is an almost unheard of high for combat units. Many of the enlisted men hold college degrees, and still more have had some college training.

A majority of the men composing the 40th have been in training at the U. S. Army Ordnance Missile Command and the Ordnance Guided Missile School for the past year. In addition to their military work, some 75 men have been studying off-duty. Most of these are studying higher mathematics and sciences, on the college level, in an effort to improve their ability to do their jobs in fielding a highly potent missile system.

The 40th is having far less difficulty in retaining its highly skilled men than most Army units. Sixty-five percent of the men belong to the Regular Army — career men.

Re-enlistment rate has been high. Col. Robert G. Gildart, the Commanding Officer, attributes this to the men's high interest in their jobs and their desire "to see the job done; to see the Red-

stone successfully deployed in the field."

Institute of Radio Engineers to Hear Consulting Engineer

Edward G. Holmes, Texas con-

sulting engineer, will be the main speaker at the May meeting of the Huntsville Section, Institute of Radio Engineers, at 7:30 p.m. Tuesday, May 27, at the small Auditorium, Huntsville High School.

His topic will be "Frequency Control in UHF Region."

A pre-meeting dinner is scheduled at 6 p.m. at the Fox Restaurant.

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Near-Forgotten Evidence of Dr. Von Braun's Early Efforts to Explore Unknown Is Presented to Him

Near-forgotten evidence of one of Dr. Wernher von Braun's earliest efforts to explore the unknown was presented the Army missileman last week in New York.

The year was 1931. Dr. von Braun and a lifetime friend, Dr. Constantine Generales, were studying in Zurich, Switzerland — one physics and the other medicine.

With his eyes on the stars even then, the teen-age von Braun was devoutly interested in the effects of extreme acceleration and centrifugal force on animal life. Generales, later to become a prominent New York doctor, was also intrigued by space-travel possibilities.

So the two rigged up in von Braun's room a crude test apparatus. It was a bike wheel geared for fast speed. At one point on the rim was a small basket; in the basket, mice.

The plan was to spin the wheel rapidly. The two young scientists would then dissect the dead mice. Hope of learning how animal matter reacts to such acceleration.

The experiments, Dr. von Braun recalls, came to an abrupt halt when his landlady intervened. But not before Generales recorded their evidence on microscopic slides.

At a dinner last week in New York, where he received a Distinguished Citizen Award from the People-to-People organization, Dr. von Braun was given the slides by Generales in a surprise ceremony.

The People-to-People Committee, an organization endorsed by the President, endeavors to inculcate international good will through direct contact between foreign-born U. S. citizens and their relatives and friends abroad.

Gen. Barclay

(Continued from Page 1)

ships who accomplished the historic recovery of the full-scale nose cone of the Jupiter IRBM launched by the Army from Cape Canaveral, Fla., 18 May 1958. Your performance was again superb as it was in recovery of our first scale model cone 8 August 1957."

To General Anderson, commanding the Air Research and Development Command, Baltimore, Md.

"The Army Ballistic Missile Agency extends sincere thanks to the officers and men who manned Air Force ship and aircraft and cooperated so efficiently with the Navy and we of the Army in recovery of the full-scale nose cone of the Jupiter IRBM launched by the Army 18 May 1958 from Cape Canaveral, Fla."

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Saturday 0900 - 1200 and 1300 - 1630.

Sunday 1300-1600
Golf Driving Range and Archery Range Operating Hours
Monday thru Friday 1400-2100.
Saturday 1300-1900.

Sunday and Holidays 1400-1900.
Craft Shop Operating Hours
Monday and Tuesdays—Closed.
Wednesday thru Friday 1400—1630 and 1730—2200

Saturday and Holidays 0800-1630
Sunday 1230-1930

LIBRARY OPERATING HOURS
Monday thru Friday 1100-2200
Saturday and Holidays 1000-2200

Sunday 1200-2200.
Post Service Club Operating Hours
Monday thru Friday 1600-2200
Saturday 1000-2200.

Sunday and Holidays 0900-2200
Post Swimming Pool
Monday thru Saturday 1000 - 2000.

Sunday 1200 - 2000.
Odd days of the month are reserved for Enlisted personnel, their families, and guests. Even days of the month are reserved for Officers, their families and guests.

READ THE WANTADS

Quality Control Group Sets Dinner Meeting

The Huntsville Section, American Society for Quality Control, will hold its May dinner meeting at Morrison's Restaurant on No. Memorial Parkway on May 22 at 7 p.m.

The speaker for the evening will be J. J. Heger, chief research engineer for stainless steel, for the United States Steel Corp. Heger holds B. S. and M. S. degrees in metallurgical engineering from Carnegie Institute of Technology. Prior to his employment with U. S. Steel, he had five years of ex-

Electric Power Supply Expansion Slated

Army Engineers have awarded a \$628,978 contract to the Baroco Electric Construction Company of Pensacola, Fla., for ex-

perience with Babcock and Wilcox Tube Co., of Beaver Falls, Penna. He is a member of the American Society for Metals; American Institute of Mining, Metallurgical, and Petroleum Engineers; and National Association of Corrosion Engineers. For two years he served on the Sub-Committee on Power Plant Materials for the National Advisory Committee for Aeronautics.

panding the electric power supply at Redstone Arsenal.

The job, which the Engineers expect will be started by the end of the month, will include the enlargement of a primary substation, the construction of two unit substations, the extension of overhead lines, the construction of two switching stations, and the construction of a capacitor station.

Col. Harold E. Bisbort, U. S. Army District Engineer at Mobile, in making the announcement said that the work will increase the power supply serving the rapidly expanding facilities of the various agencies located at the Arsenal.



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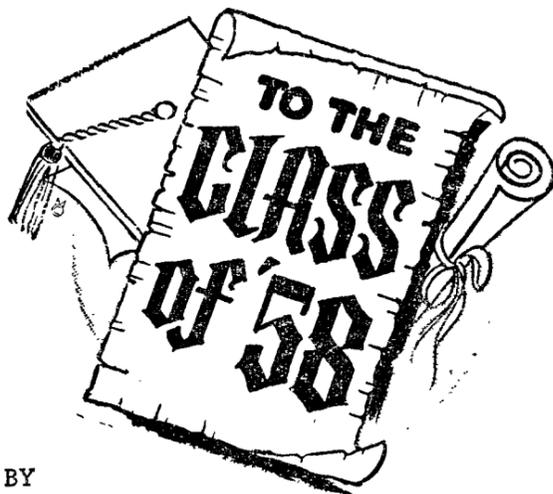
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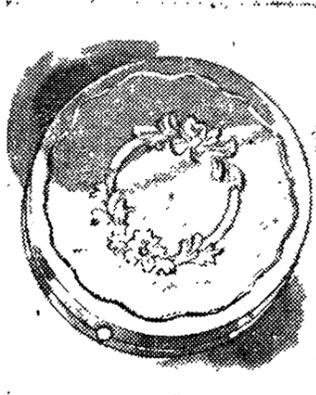
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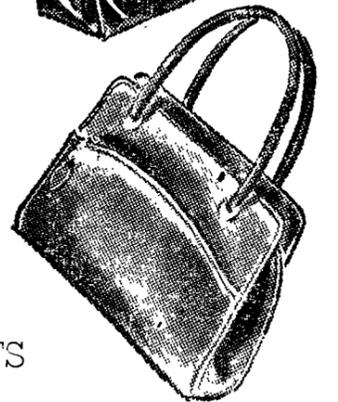
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