

Hurricane Doesn't Deter It

The U. S. Army's all-weather Pershing ballistic missile was tested Jan. 30 in another successful firing at Cape Canaveral.

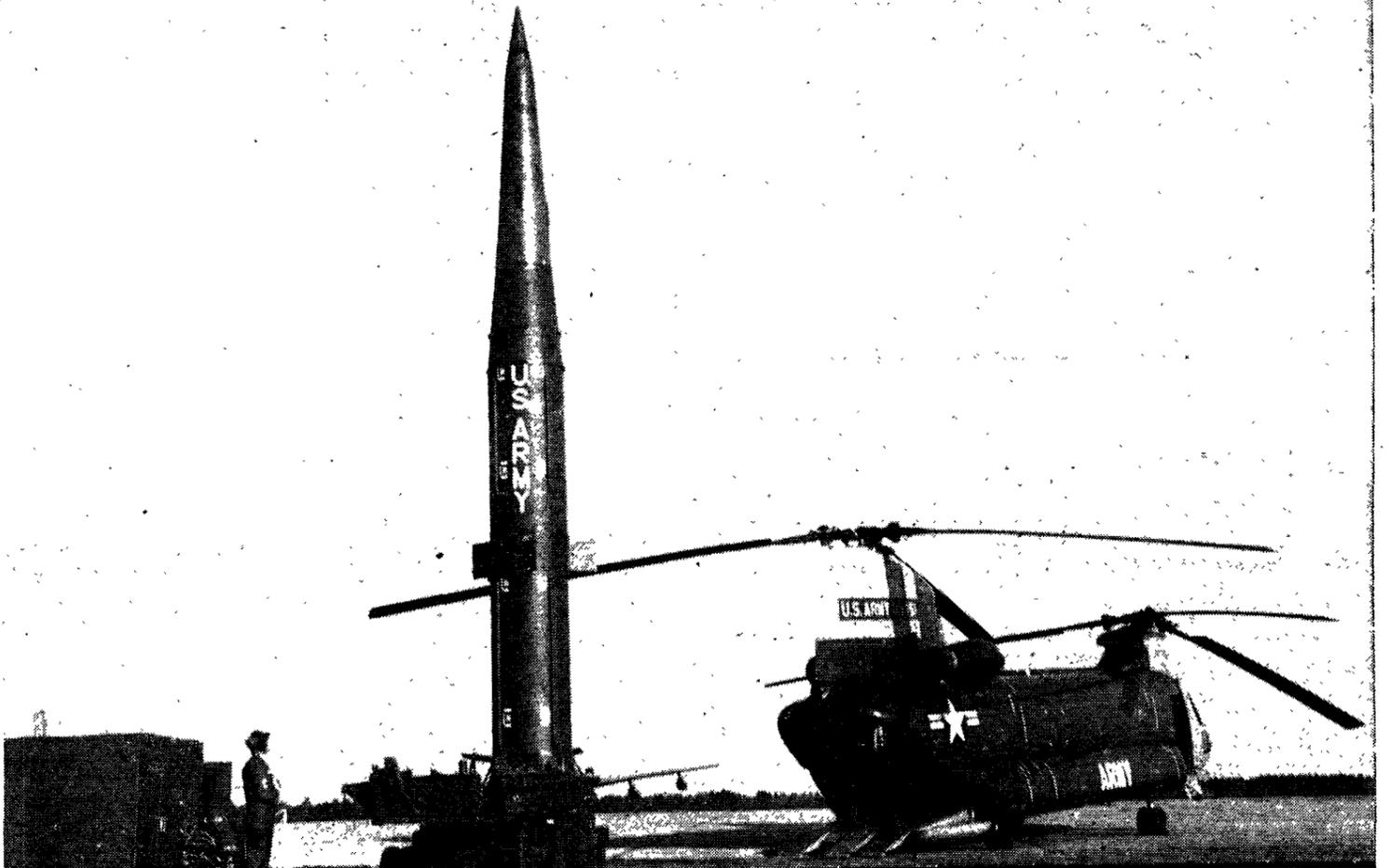
The Pershing was fired under conditions simulating near hurricane force winds.

Tilted at liftoff, the missile corrected for the simulated high ground winds and proceeded on its pre-planned trajectory to the impact point down the Atlantic Missile Range.

Col. O. M. Hirsch, Pershing Project Manager of the Army Missile Command, said preliminary data available immediately after the firing indicated that all test objectives had been met.

Instruments installed in the missile's warhead section provided continuous inflight data. The two-stage Pershing was fired from an erector-launcher as it would be delivered to a firing site by helicopter.

Martin Company, Orlando, Division, is prime contractor for the Pershing under the technical supervision of the Army Missile Command at Redstone Arsenal. Personnel from both organizations participated in the firing, another in the continuing series of the Pershing development program.



FLIGHT'S END—Pershing is shown being put through a pre-firing countdown at the end of Pershing-Chinook helicopter compatibility tests conducted recently in Orlando, Fla. Pershing system components were air-lifted by the helicopter, then mated at the site. Fire control equipment is housed in large shelter at left, and sys-

tem's power supply is adjacent to it. Tests were directed by Army Missile Command personnel from the staff of Pershing Project Manager, Col. O. M. Hirsch, the Martin Company, Boeing/Vertol Division, and other AMC commands.

Gen. Watson Commands Third Army

HEADQUARTERS, THIRD U. S. ARMY, Fort McPherson, Ga. — Lt. Gen. Albert Watson II, former U. S. Commander of Berlin, assumed command of the Third U. S. Army following an Honor Guard Ceremony Saturday.

Gen. Watson, who received his promotion to three-star rank upon his return to the United States, became the sixteenth Third Army commander since the beginning of World War II.

Following a fifteen-gun salute, Gen. Watson reviewed the Honor Guard and troops from Headquarters Third Army and Fort McPherson formed on Hedekin Field. He later met with representatives of the news media in his first press conference here.

Prior to his leaving Berlin in January, Lt. Gen. Watson received the Distinguished Service Medal, the Nation's highest peacetime award "for exceptionally meritorious service in a duty of great responsibility," from Gen. Paul L. Freeman, Jr., Commander-in-Chief, United States Army, Europe. (See GEN. WATSON on Page 2)



GEN. ALBERT WATSON II

REDSTONE HOSTS DA SECRETARY

W. S. Hinman, Jr., Deputy Assistant Secretary of the Army for Research and Development, is visiting Army facilities at the Missile Command today.

Hinman will be welcomed by Brig. Gen. H. P. Persons, Commanding General. Dr. W. W. Carter, Chief Scientist at the Army Missile Command, will explain to Hinman programs at Redstone Arsenal.

Later this morning, Hinman will meet with Col. O. M. Hirsch, Acting Deputy Commander, Land Combat Systems. They will discuss activities related to the Pershing ballistic missile program.

Following a luncheon at the Redstone Arsenal Officers Club, Col. R. W. Burkett, Director of the Research and Development (See SECRETARY on Page 3)

The Redstone Rocket

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VOL. XI; NO. 38

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

FEBRUARY 6, 1963

Anti-Polio Drive Begins

The U. S. Army at Redstone Arsenal is planning an oral polio immunization campaign—aimed at inoculating active and retired servicemen, and their dependents living in the Huntsville area.

The three-stage immunization cycle will begin Feb. 16. Subsequent immunization days are planned on Mar. 30 and May 11.

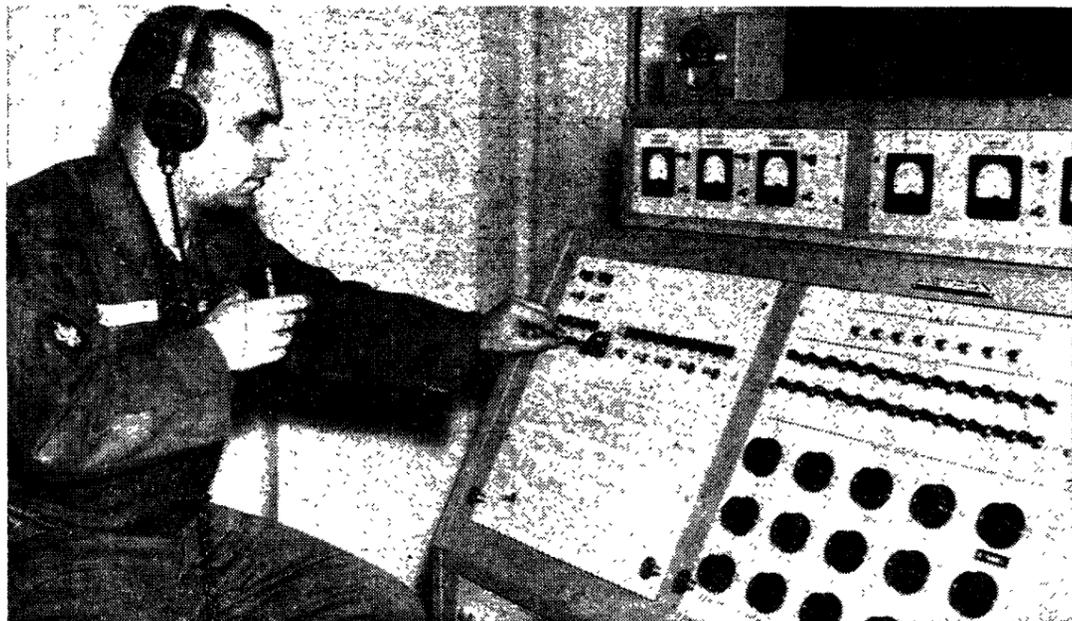
Dependents of both active duty and retired service personnel living in the Huntsville area are urged by the Army to plan to participate in the immunization cycle.

Vaccine will be administered orally, by placing a few drops of serum on a sugar cube to be dissolved in the mouth. Children under six months of age will not be immunized.

Dependents of active and retired military personnel, in addition to retired personnel, will be inoculated at Bldg. 117, the Dependent Out Patient Clinic, near the Post Hospital at Redstone Arsenal.

Active duty military personnel will receive inoculation with their units.

Col. Harry C. McClain, Post Surgeon, pointed out that the new oral immunization series is mandatory for active duty military personnel and highly recommended for dependents and retired personnel even though they have had other polio vaccination.



MAKES A BIG SPLASH—SP4 Joseph Valinsky has a unique job at the dual test stand at Redstone Arsenal's Test Area 6. Valinsky, a native of Fair Lawn, N. J., is shown at a blockhouse control panel ready to push the button which starts thousands of gallons of water flowing into the stand's blast deflection system. His big job is troubleshooting the water system and the liquid nitrogen conditioning unit.

Pulled Plug Starts Big Splash At Test Stand

SP4 Joseph Valinsky is making a "big splash" in the rocket world.

In fact he makes a "big splash" every time the Army fires a rocket motor on the 91-foot-high dual test stand at Redstone Arsenal's Test Area 6.

Thousands of gallons of water pour into the complex blast deflection water system when SP4 Valinsky pushes a button during the firing countdown. Water keeps the deflector from melting in the hot, high pressure exhaust and aids in dissipating the gases.

The system's blast deflectors—large curved metal plates used to deflect rocket exhaust gases from the test stand—contain a series of holes through which the high

pressure water is ejected into the exhaust flume.

Valinsky's moment of action is preceded by days and sometimes weeks of preparation. He is troubleshooter for the stand's water system and the liquid nitrogen refrigeration chambers.

During a normal firing, he said, three high-speed pumps pull some 150,000 gallons of water from a nearby one-half million gallon storage tank. The soldier-engineer monitors the many water measuring instruments from a blockhouse firing panel throughout the missile firing countdown.

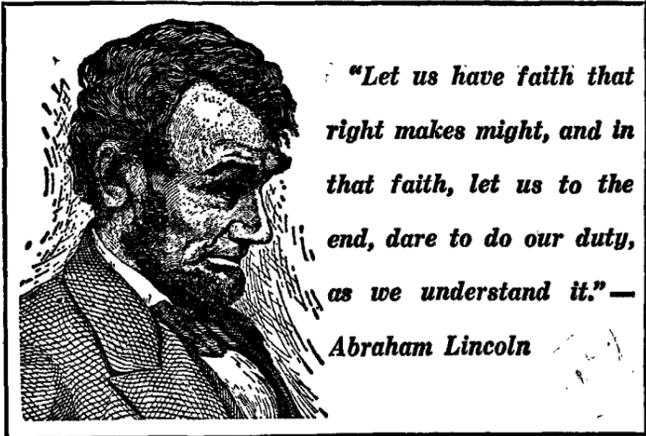
"Water is forced into the blast bucket by 180 pounds per square inch pressure," he said, adding (See WATER USED on Page 3)

The Redstone Rocket

The Redstone Rocket is published weekly, on Wednesdays. The publisher will receive editorial content for publication in the Rocket only through the Information Office, Army Missile Command, Redstone Arsenal, Ala., Bldg. 5250, Room A-136, Extension 876-4161.

All advertising copy and payments therefor are received by Mrs. Zillah T. Heath, Huntsville, Ala., P. O. Box 346, telephone 534-4701, as representative of the publisher. Advertising deadline—both display and wantads—is noon on Friday before publication. The Redstone Rocket is distributed free of cost to personnel at Redstone Arsenal. Mailing rates for the Rocket are \$5.25 a year, or \$2.89 for six months, tax included. Mailing arrangements may be made with the publisher, P. O. Box 520, Hartselle, Ala.

Rocket Ruminations



"Let us have faith that right makes might, and in that faith, let us to the end, dare to do our duty, as we understand it." — Abraham Lincoln

The Spirit of Lincoln

They have examined him, acclaimed him, explored the deepest recesses of his personality—generations of historians, biographers, playwrights, novelists and poets. Their books about him would fill a library. and yet he remains essentially a puzzling figure. Abe Lincoln—America's gift to the world.

Few men stand taller than Lincoln on the stage of history; yet it's impossible to imagine him—gangling, stooped, with frock coat and stovepipe hat—in the togged and crowned company of the great. The very notion would have made him grin.

But in simple grandeur he looms second to none—it is the grandeur captured by Daniel Chester French in his massive statue of Lincoln brooding, seated figure. It is the compassion for all humanity that glowed in the Emancipation Proclamation just 100 years ago and in the deathless words of the Gettysburg Address.

As we mark the 154th anniversary of Lincoln's birth it has never been clearer, in a world torn by hates and tyrannies, that his spirit represents the best hopes and aspirations of men of good will everywhere. It lights their path today as they work for peace, mutual understanding and an end to want.

This is the Lincoln of heroic stature. But there is another—the homely rustic, plain of speech, ruminant, almost indolent by nature; the man who at 22 could describe himself as "a piece of floating driftwood." Throughout his entire life, in fact, he disparaged his own abilities with that rueful humor so intrinsic to him. But Lincoln was one of those rare Homo sapiens—a truly humble man!

GEN. WATSON

(Continued From Page 1)

During his tour in Germany, Gen. Watson was 24th Infantry Division Artillery Commander from Sept. 1953 to March 1960; promoted to Major General, he

commanded the 3d Infantry Division from April 1960 to April 1961. He was Commanding General, U. S. Army, Berlin, and U. S. Commander of Berlin from May 1961 to Jan. 1963. In these positions, he was the United States representative on the Allied Kommandatura in Berlin.

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Col. Cooke Outlines Leave Policy

Col. Thomas W. Cooke, Commander of the Army Missile Support Agency, outlined the procedure for supervisors to follow on severely stormy days when early dismissals are granted.

He said, "Employees who are on annual or sick leave for the

entire day will be charged leave for the entire day.

"Employees who after having been on duty during the first part of the day, absent themselves on either annual or sick leave, before notice of early dismissal is received, will be charged for the balance of the day.

"Employees who apply for annual leave, after receipt of an early dismissal decision, will be charged leave, in multiples of one hour, for the time to the early dismissal hour only."

He said, "In order to secure uniform treatment covering dis-

missals on stormy days, supervisors may not exercise their usual authority to excuse employees without charge to leave for amounts of less than one hour."

Col. Cooke has been delegated the authority for arsenal-wide dismissals in case of emergency.

Coordinators for physically handicapped program were found in 87 percent of 113 Federal establishments recently inspected by Civil Service Commission. A previous 6-month inspection found only 83 percent.

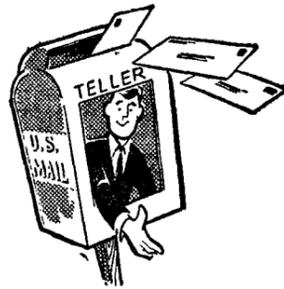
Contract Awards Made For Three Missile Systems

Contract awards totaling \$4,908,808 have been received by companies in Utah, California and New Jersey for work on the Sergeant, Redeye and Pershing missile systems, the Department of the Army has announced.

A \$1,785,000 award to Sperry Utah Co., a division of Sperry Rand will provide additional equipment for the Sergeant solid fuel missile. The work will be done in the company's Salt Lake City, Utah plant.

The General Dynamics/Pomona division of General Dynamics Corp. received a \$1,600,000 award for extended development work on the Redeye guided missile system. The work will be performed in the corporation's Pomona, California, facility.

Production of motor cases for the Pershing ballistic missile will be funded by a \$1,523,808 award to the Wright Aeronautical Division of Curtis Wright Corp., Wood Ridge, New Jersey. The work will be done in Wood Ridge.



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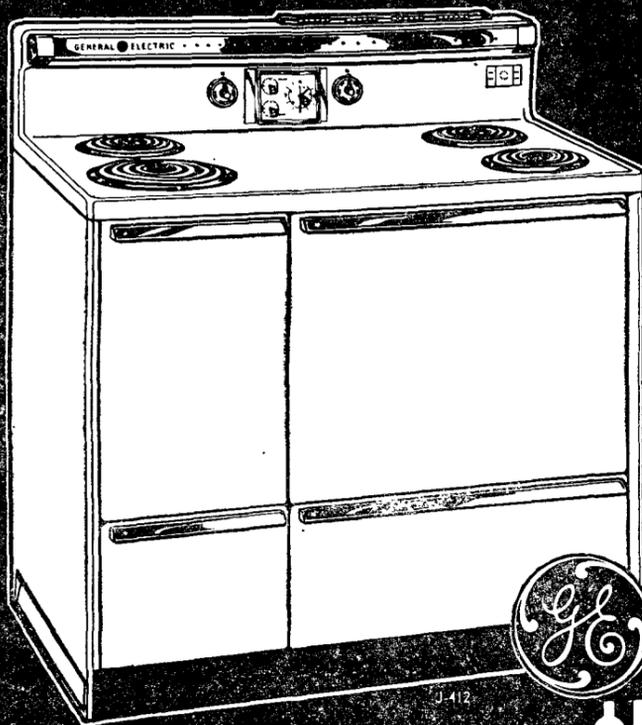
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Communications Association Elects Officers

The Tennessee Valley-Redstone Chapter of the Armed Forces Communications and Electronics Association will be piloted this year by a group of personalities that reads like a Who's Who list in Army missile development and local industry.

New Chapter president is John E. Hatch, Jr., president of SPACO of Huntsville. Other officers are John P. Smith, J. P. Smith and Associates, first vice president; Lt. Col. Earl D. Hicks, Assistant for Communications, Army Missile Support Command, second vice president; John M. Street, Southern Bell Telephone Co., third vice president; William A. Yeatman, Southern Bell Telephone Co., treasurer; and Miss Rebecca Turpinseed, SPACO, secretary.

The 1963 members of the board of directors are Maj. Gen. F. J. McMorrow, Commanding General, U. S. Army Missile Command; Brig. Gen. H. P. Persons, Jr., Deputy Commanding General, Air Defense Systems, U. S. Army Missile Command; Milton K. Cummings, Brown Engineering; M. B. Spragins, First National Bank; Sears Lee, Jr., Southern Bell Telephone Co.; Joseph W. Wiggins, Thiokol Chemical Corp.; Dr. Raymond Christian, Huntsville Board of Education; and Lt. Col. Earl J. Dotson, Special Assistant to the Director of Research and Development, U. S. Army Missile Command.

New Chapter officers and directors were officially installed at AFCEA annual dinner held last Thursday at the Squirrel Hill Officers Club.

Dr. Rudolph Herman, Director of the Research Institute, was keynote speaker at the meeting attended by nearly 300 persons.

Junior Engineers Form JET Chapter

The Huntsville High School Science Club, under the direction of Mrs. Mary G. Burke, is the first Junior Engineering Technical Society Chapter to be established in Huntsville or Madison County.

The Junior Engineering Technical Society (JETS) is a national organization in which industry, government, technical societies, and educational institutions work together to encourage and assist technical and scientific programs in high schools. More than 900 chapters are in operation throughout the world.

Allen Hyatt, Principal, accepted the JETS charter, from E. J. Finnell, Jr., of the University of Alabama and Edwin Taylor of Auburn University at a student assembly last week. The two universities have been designated as Alabama JETS Headquarters.

Officers of the newly chartered organization are students W. H. Mrazek, president; J. Bright, vice president, and Russell Blackledge, secretary-treasurer.

The chartering ceremony was arranged by the Madison County Advisory Committee for JETS, headed by John S. Hinkle of the Army Missile Support Command. Members of the Committee are: Philip Mason, University of Alabama Huntsville Center; James F. Dowdy and J. D. Bennight, Marshall Space Flight Center; Milton K. Cummings, Brown Engineering Co.; Nathaniel Almon, Madison County Supt. of Education; Edwin M. Bartee, National Society of Professional Engineers; Mathew M. Weber, Thiokol Chemical Corporation; Col. Earl J. Dotson, Army Missile Command, and Dr. Raymond Christian, Supt., Huntsville Schools.

WATER USED

(Continued From Page 1)

that even without the rocket blasts, the water is thrown more than 100 feet from the stand.

Valinsky, a native of Fair Lawn, N. J., pointed out that his pre-firing work includes monitoring the system's pressure at various points with a chart recorder. He said he puts the system through an actual run the day before a firing.

Missile conditioning is another important aspect of Valinsky's job. He said the stages are subjected to temperatures from minus 80 degrees to plus 180 degrees Fahrenheit.

The dual position test stand, which has identical facilities except that one half is "boxed-in," is used to test solid propellant configurations.

Valinsky, a civil engineer, said the liquid nitrogen system includes piping and duct-work to cycle conditioned air through the insulated box containing a rocket motor. He stated a missile does not have to be removed from the conditioning container when it is ready for static firing. The bottom of the box moves aside during captive testing.

Valinsky graduated from the University of Delaware in 1960. He entered the Army in the Scientific and Engineering Program on Nov. 3, 1961, and has been at Redstone Arsenal one year.

The young engineer, who participated in Lacrosse and wrestling in school, said the modern test stand also is equipped with a water deluge system. This is a high-capacity, high pressure system used for washdown, fire prevention and fire fighting.

Remote control fire fighting gear is used for emergencies at the test stand, he pointed out. Adjustable nozzles controlled by a "joy-stick" in the blockhouse are used to extinguish small fires in the test area.

Valinsky is a member of the Test Operation Branch, Test and Evaluation Laboratory of the Directorate of Research and Development.

SECRETARY

(Continued From Page 1)

Directorate, will show Hinman R&D facilities at Redstone.

Hinman will be accompanied by Col. Albert Rollins. They are scheduled to leave Redstone Arsenal this afternoon.

Women today are employed in nearly four-fifths of all Federal-service occupations.

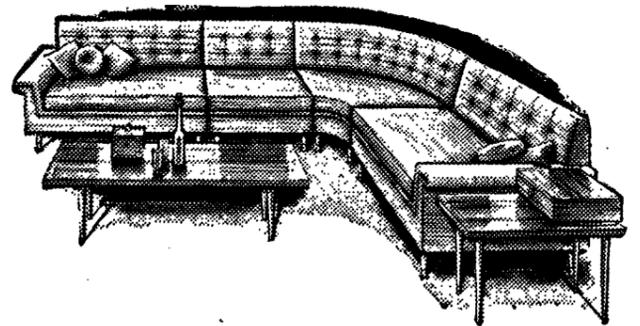
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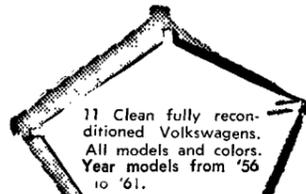
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Watertown Assignments Began After 1812

The Arsenals

One of the Army's newest and one of its oldest Arsenals came together under one Command last summer when Watertown Arsenal was assigned to the Army Missile Command with headquarters at Redstone Arsenal.

Redstone and Watertown Arsenal are approximately 150 years apart in age but a common capability—knowhow—promoted their marriage as a part of the Army's reorganization.

Watertown had accumulated valuable weapons experience throughout the years and had a fabrication capability which Redstone did not have. Out of necessity Redstone had developed its laboratories and missile system management ability in a hurry.

It seemed logical that the two should be under one Command in the nation's defense effort.

Pulling together to assure that the United States soldier has available the best weapons which the state of the art will permit is the joint aim of Watertown and Redstone.

Although their overall goal is the same, physically the two are as far apart as Huntsville, Ala., and Boston, Mass., where they are located.

Deep in Dixie, Redstone is 40,000 sprawling, hilly acres bounded on the south by the winding Tennessee river. Its buildings, the oldest of World War II vintage and the newest in the structural steel stage, are miles apart.

In contrast, Watertown is an Ivy league arsenal. Its laboratories and administrative buildings are crowded into 119 acres along the banks of the Charles river and have been mellowed by time and cold New England winters. Going from one to another is the matter of a minute or two—five at the most.

But this is principally the story of Watertown, commanded by Col. R. B. Braid, a veteran Army officer with more than 20 years experience in the Ordnance Corps.



COL. R. B. BRAID
The Commander

Col. Robert B. Braid is an officer wearing two hats, serving simultaneously as Commander of Water-

town Arsenal and the U. S. Army Materials Research Agency.

A veteran of over twenty years of commissioned service, he is a 1940 graduate of Rutgers University with a bachelor's degree in ceramic engineering.

Immediately after obtaining his degree he went to work for the Franklin Tile Co in Lansdale, Pa., as a ceramic engineer but entered active Army duty as a second lieutenant three months later.

Col. Braid left active duty upon his return from the Pacific and was recalled in mid-1946 and integrated into the Regular Army.

He assumed command of the Watertown Arsenal May 20, 1960.

History Shows Advance

Historically the Arsenal has been a factor in the growth and development of the country in peace and war since 1816. No account of United States weapons technology would be complete without including the accomplishments of this famous old arsenal which pioneered in the field of weapons.

Established in Charlestown in 1800, the Arsenal was moved to its present location shortly after the War of 1812 to make room for the establishment of the Charlestown Navy Yard. The cornerstone of the first building,

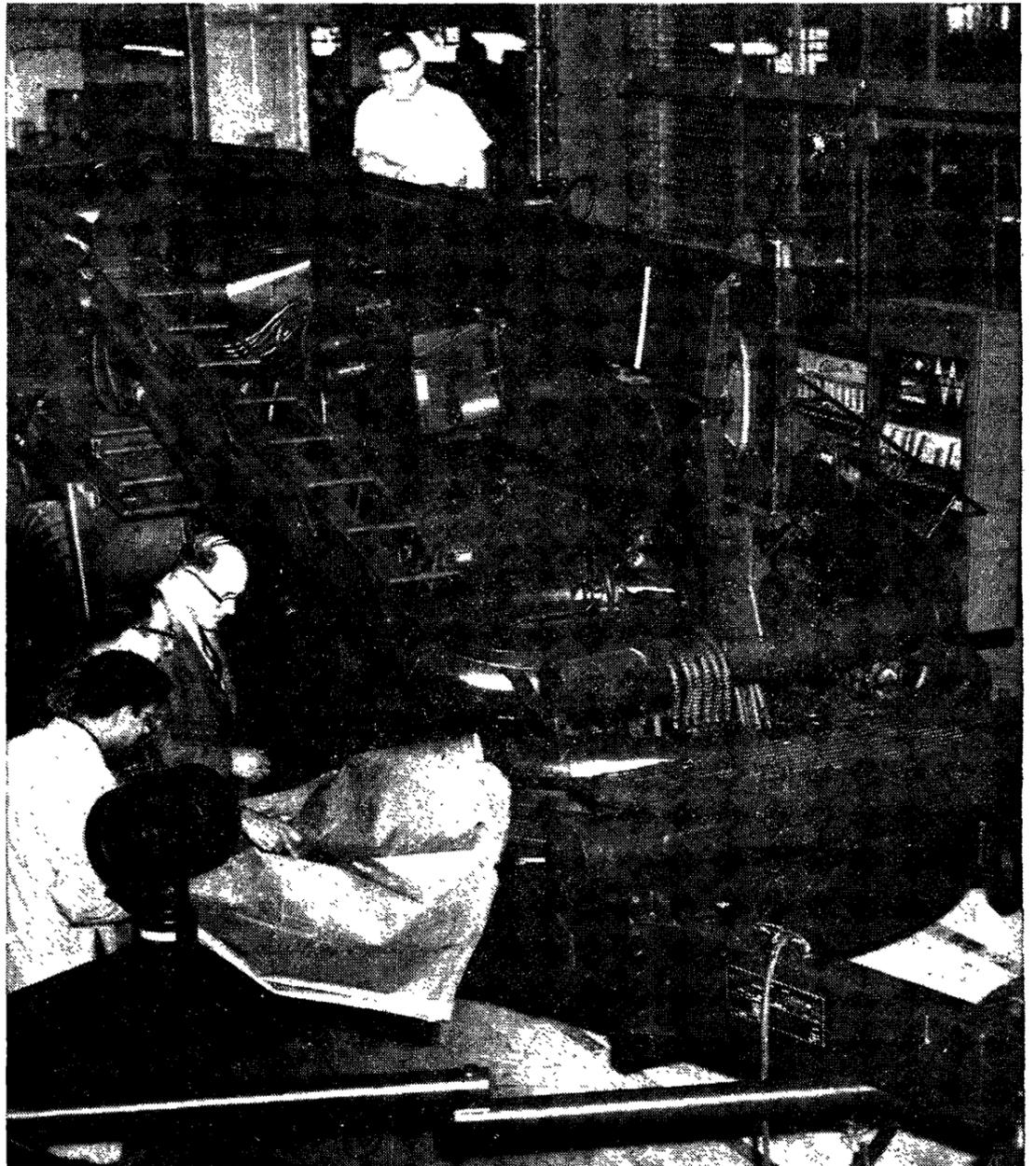
HASTE YE BACK

In the six months that have passed since Watertown Arsenal joined the Missile Command there has developed a mutual respect for the capabilities which are present in each organization to do the tremendous job which confronts them.

We, at Watertown Arsenal, are proud of the wide experience and diversity of skills which exist at this installation, and we are happy to be a part of the Command which will play such an important part in the Army's future.

We look forward to a close and productive association, and extend to those personnel of the Missile Command who have not seen Watertown an invitation to visit the installation. To the many who have visited us during the orientation phase we say, "Haste ye back!"

R. B. BRAID
Colonel, Ordnance Corps
Commanding



SERGEANT BACKERS—A Sergeant launcher—one of several fabricated at Watertown Arsenal for the Sergeant project team at Redstone—gets a final check before shipment to the contractor as government furnished equipment.

which is still standing, was laid in 1816.

Established originally as a depot for storage, repair, issue and manufacture of small arms, the Arsenal developed a cannon in the 1840s that soon became the envy of the world.

Steel Is Better

Later when steel emerged as a competitor to cast iron in gun construction, Watertown was called upon to develop and produce steel carriages and hydraulic recoil mechanisms.

During World War I increased activities occasioned further expansion of the Arsenal laboratories and studies were extended to include the fabrication of steel products.

Before World War II
In the years preceding the Sec-

ond World War, a number of milestones of progress were credited to Watertown. Some of these were: autofrettage of large gun tubes; development of radiography as a method of steel foundry control; gun tubes made of centrifugal casting; and the use of cemented carbide cores for armor-piercing projectiles.

All of these developments were recognized throughout the industrial complex of the nation and were adopted for commercial use.

Outstanding achievements since then include the fulfillment of system responsibility for the design, development and manufacture of the 280 mm Atomic Cannon and the Skysweeper Anti-Aircraft weapon.

Today's most advanced metallurgical research and allied studies

are performed in the Watertown Laboratories. Basic research is carried out particularly on ferrous, titanium, molybdenum, vanadium, and other transitional metals.

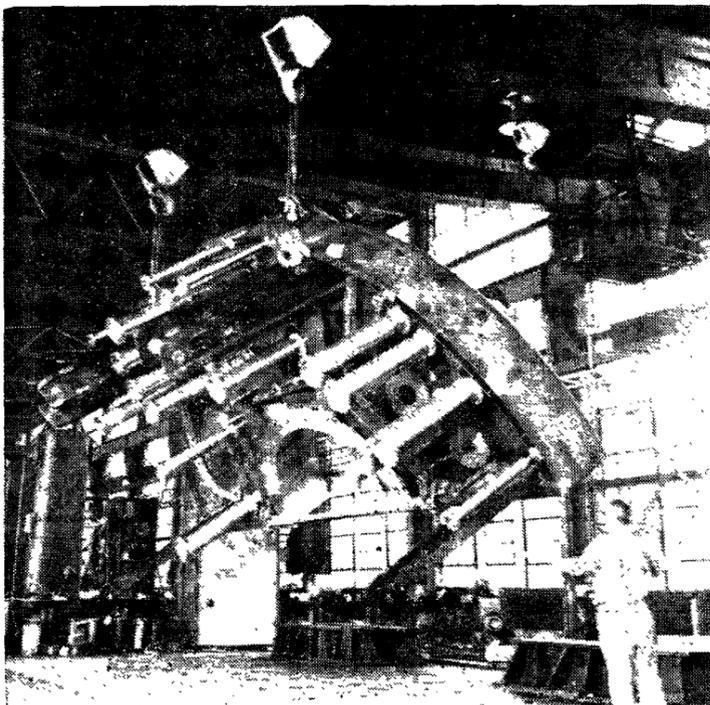
Research is conducted in mechanics to include the study of elasticity, plasticity, buckling and principles of testing materials.

Watertown has modern equipment for vacuum fusion and hot-extraction analyses of gases, ion-exchange columns for analytical separations of high temperature alloys, and conductometric apparatus for determining low amounts of carbon.

Engineering

The engineering effort at the Arsenal includes work in material design, industrial engineering, process and product engineering. Ex-

(Continued on Next Page)



20-TON COMPONENT—Some of the largest weldments constructed in the industry are fabricated at Watertown. This 40,000-pound breeder reactor component is fabricated entirely of stainless steel. The welding specifications were particularly stringent and required 100 per cent x-ray and helium testing of all welds.



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WATERTOWN

(Continued From Preceding Page) amplex of this phase include the design and development of the launching systems for the Jupiter, Redstone and Honest John Missiles.

In this approach, concept studies were prepared to determine a launcher for the Honest John to meet the requirements as to weight reduction, helicopter transportable capability, cross-country mobility, etc. The studies led to the development of a test launcher which simulated the proposed configuration.

Accuracy and overall performance, displayed during the test firings, demonstrated the feasibility of launching the rocket from a lightweight launcher and resulted in the subsequent design and fabrication of prototype hardware which met the requirements of the military characteristics.

The 2,500 employees are broken down into two distinct components, the Arsenal proper under the jurisdiction of the Missile Command, and the Army Materials Research Agency under the direct supervision of the Army Materiel Command.

Research Teams

The Arsenal has a scientific and engineering staff that complements the Army Missile Command in much the same manner as in any large corporation. This research team together with the production facilities has the primary assignment of manufacturing covering missile containers and directly related items.

This entails a responsibility for the design, development, procurement, production, product engineering and appropriate depot maintenance for the containers.

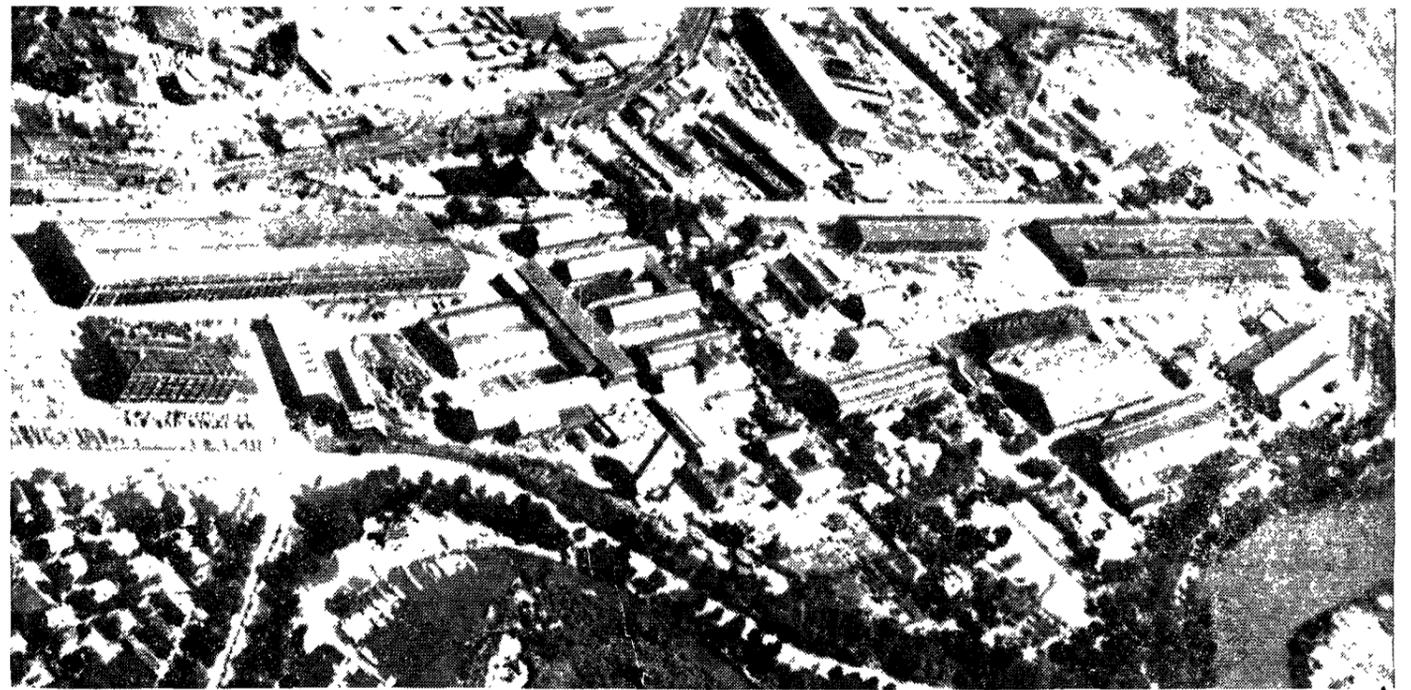
Another assignment is the responsibility for support in the areas of research, design, development, test evaluation, procurement, production, maintenance engineering and technical field assistance for rockets and missile motors, launchers, and related secondary items.

In addition to the general assignment in the rocket and missile fields, Watertown is responsible for prototype fabrication and production of items such as atomic



HALLS OF IVY—The winter season emphasizes the full beauty of the Watertown Arsenal headquarters building, a showpiece of historic old New England. The building, erected in Pre-Civil War

days, is a replica of Independence Hall in Philadelphia. Wings have been added at either end of the structure in recent years to provide additional office space.



LIKE REDSTONE, the southern boundary of Watertown Arsenal is formed by a river, the Charles. This aerial view of the industrial

complex indicates the compactness of the 119-acre reservation in contrast to the vast 40,000 acres covered by Redstone.

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The initiative and enthusiasm that guided Watertown to so many achievements in the past has been an asset to the Missile Command from the first order placed under the new arrangement.

This order called for the manufacture of containers for the Pershing and Sergeant missiles. Included were containers for both the first and second stages as well as the guidance control for the Pershing, and guidance control containers for the Sergeant.

Specifications decreed that the containers possess properties for storage shipment, be suitable for

tactical and climatical use, and be equipped with electrical components to check the missile while in the container.

The job was accepted with a short lead time and required the efforts of Supply and Procure-

ment personnel to explore commercial sources never before used.

The planning and production elements of the Arsenal Operations Division had to delve into latent resources and talents to meet the delivery date.

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Sports By Lambert

By SFC Lambert

Basketball

A fast breaking group, the Huntsville Swishers, led by Blackburn scoring 29 points defeated Redstone All-Stars Saturday night

at the RSA Gymnasium by a score of 87-77.

Redstone was in the game during the first half (half time score 36 to 30). But when the horn sounded for the second half it was all the fast breaking Swishers. Joining Blackburn in the scoring were Lightfoot with 22 points and Franklin with 14.

Leading Redstone in scoring were Joe Turner with 19 points, Bill Jordan and Jerry Miller with 12 points each.

The game scheduled for January 24th with the Freshmen from Snead College was canceled due to inclement weather.

The All-Stars will travel to Ft. McClellan over the weekend for two games. Then the 5th and 6th of February McClellan will be here to play two. The games here will be played at the Post Gymnasium at 1900 hours.

German Team Splits Double Soccer Bill

MONTGOMERY, Ala. — Alabama's first double bill of European football was played by two teams of German students from the Army Ordnance Guided Missile School against the Squadron Officers School of the Air University and Auburn University last Saturday.

The German "A" soccer team defeated the Squadron Officers School by a score of 5-1 while the German "B" team lost to Auburn 2-1. The Auburn victory was the first to be scored by the Plainsmen against Missile School teams in a four-game series that began in 1960.

Juergen Dahlke of the German Alphas paced the victory over the Air Force team with two goals. Single pointers were registered by Lt. Heinz Rahns and Peter Proeper.

The American airmen contributed a goal to the Germans when the ball took a freak bounce off an Air Force player and rolled into the goal he was defending.

In the second game, a vastly improved Auburn team led by Coach Frederick Taube outlasted the German Betas to eke out a 2-1 win. Helmut Meyer scored the lone goal for the Germans.

The four teams will meet again at Maxwell Air Force Base in Montgomery on March 9.

POST LEVEL BASKETBALL STANDINGS

Team	Won	Lost
Officers	12	2
291st MP Co.	10	3
Co. A, OGMS	8	5
Co. B, OGMS	7	6
Hq. AMSC	5	7
Hq. UTC	5	8
Hq. AMC	4	10
Hq. STC	1	10

HANDBALL TOURNAMENT

A singles, doubles elimination handball tournament will be held in the Work Out Facilities Building (3474).

Any military personnel desiring to enter should do so before Feb. 11, 1963. For further information contact Sgt. Whisenant at Building 3474 or phone 876-4065.

ARMY AIR FORCE OFFICERS

Team	Won	Lost
Lucky Strikes	94	42
King Pins	90	46
Pin Splitters	83	53
Raiders	81	55
Black Jacks	80	56
Jupiters	58	78
AF Juplos	32	104
Hopefuls	26	110

TROOP COMMAND EM

Team	Won	Lost
Ohms	44½	19½
Raiders	44	20
Rats	43	21
Curvals	38	26
S & E's	36	28
Jockeys	34½	29½

SCHOOL TROOP COMMAND

Team	Won	Lost
Deuces	62	18
Electrons	58	22
Aces	54½	25½
Strikes	39	41
Ten Pins	37	43
Spares	28	52

ARMY-AIR FORCE OFFICER'S BOWLING LEAGUE

Team	Won	Lost
Lucky Strikes	104	48
King Pins	98	54
Black Jacks	92	60
Pin Splitters	91	61
Raiders	91	61
Jupiters	62	90
AF Juplos	38	114
Hopefuls	32	120
200 Games: Pencola	—	209; J.
Green	—	200; Hodges

SATURN BOOSTER BOWLING LEAGUE A-DIVISION

Team	Won	Lost
Martin Co.	49	31
Brown Engineering Co.	48½	31½
Hilding-Holmberg	46	34
Norris-Riddle Furn Co	42½	37½
Redstone Mach. & Tool	40½	39½
Tenn. Valley Oxygen	38	42
Arrowhead Products	38	42
Republic Aviation	33½	46½
Huntsville Trailer Ct.	33	47
Pushovers	31	30
200 Games: Kozlowicz	—	229;
Graves	—	211; Fleshman
—	—	211;
Vickers	—	210; Brown
—	—	209; May
—	—	209; Walters
—	—	202; McCain
—	—	202; Leigh
—	—	201; Major
—	—	201;
McKenzie	—	200; Lindsey

B-DIVISION

Team	Won	Lost
Murphree Mort. Co.	48½	31½
Redstone Fed.	—	—
Credit Union	47½	32½
Lockheed	47	33
Tri-Lanes	45½	34½
C. W. Stewart	—	—
Machine Co.	42	38
Progressive Welder	40½	39½
Modern Mach.	39	41
Hayes Designers	36	44
Hayes Top Seven	35½	44½
Hayes Ex-Cons	18½	61½

OGMS OFFICERS

Team	Won	Lost
ADM	39	21
Researchers	36	24
Behunks	35	25
OSTD	28½	21½
UTC Tiplers	22	34
Commoners	15½	40½

THURSDAY MORNING LADIES

Team	Won	Lost
Off 'N' On	42	26
Hit 'N' Misses	37	31
Up 'N' Downs	32	36
Misfits	25	43

BANTAMS

Team	Won	Lost
Lucky Strikes	28	8
Jetsons	19	17
Wildcats	16	20
Strikeouts	9	27

JUNIORS

Team	Won	Lost
Esquires	23	9
Ghost Riders	20	12
Rambling Wrecks	19	13
Baby Splits	16½	15½
Alleycats	15	17
Sweepers	14½	17½
Rebel Rousers	10	21
Alley Oops	10	22

OFFICERS MIXED LEAGUE

Team	Won	Lost
Bowl Weevils	96	66
D-Yanks	95	67
Bombers	92½	69½
Pin Droppers	86	76
Red-Stones	76½	85½
Hi Counts	64	98
Baby Splits	62	100

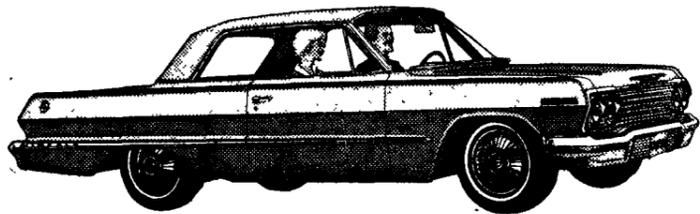
RSA OFFICERS LEAGUE

Team	Won	Lost
Slowburners	51	25
Robes	44	32
Bandits	44	32
Spoilers	42	34
Alleycats	29	47
Medico No. 5	18	58

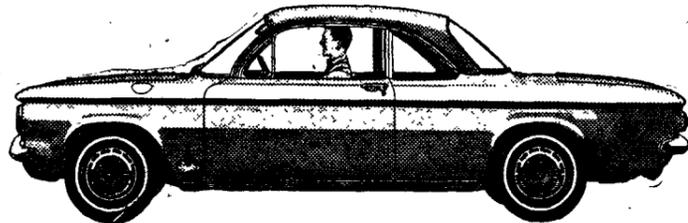
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Army Dentists Recommend Education—No Sugar

"If you can't brush after every meal, eat raw carrots," advises Lt. Col. Melvin L. Kirchhofer, Dental Surgeon in the Army Missile Support Command at Redstone Arsenal. "However, it's better to brush, even after a snack."

The colonel, a veteran of 20 years with the Army Dental Corps, is cooperating with the schools in the city of Huntsville this week to educate children and adults alike on proper oral hygiene. National Dental Hygiene Week, Feb. 3-9, is being observed among the Troops and their dependents at Redstone Arsenal.

The colonel and his staff of eight dentists are cooperating in Huntsville with the Parent-Teachers Association. They advocate application of stannous fluoride coating on teeth in addition to using fluoride toothpaste. Arsenal water is fluoridated.

In line with Department of Army policy, Capt. Everett C. Crouch, Preventative Dental Officer, has distributed posters throughout the installations emphasizing some do's and don'ts for a clean, healthy mouth. The poster was designed by Miss Dor-

othy Chorba, Supply & Maintenance Directorate.

To staff the Post Dental Clinic, it takes 10 enlisted men as dental technicians and clerks including Sgt. William Pyburn, SP5 James Baker, SP5 Edwin Keith, SP4 James Harrell, SP4 Bruce Haddon, PFC Charles Burns, PFC Edward Grossetete, PFC Edward Kuch, Pvt. Paul Bridges and Pvt. Michael Reedy.

In addition, there is a hygienist, Miss Evelyn Millican, the receptionist, Mrs. Connie Belcher; and three civilian men: John L. Owen, Evette Butler and Irwin Jack.

The equipment is as modern as the young dentists at the Post Dental Clinic, and each has appointments scheduled every hour of the working day. Like dentists all over the United States, there is a greater demand for service than there are hours in the day, so appointments are scheduled ahead except in cases where a patient is suffering.

At a round-table discussion, the dentists aired their views on what a patient needs to know to keep his mouth and gums healthy.

The carrot referred to by Col.

Kirchhofer is symbolic of all the detergent foods the dentists recommend to replace candy and other foods with heavy sugar content. The recommended list covers fresh fruits and raw vegetables.

"And raisins," added Lt. Richard V. Pace, "because they are sweet."

Nothing replaces a toothbrush," Capt. Edward R. S. Chruski said. "We're trying to get everyone to brush after every snack," Col. Kirchhofer said. "I've asked the post exchange to stock collapsible toothbrushes which will fit easily into a pocket or purse." He pulled one from his drawer and displayed a toothbrush with a collapsible pink handle.

Capt. Harold Helmers said that if you can't brush, rinse. "There's always a drinking fountain or a water glass available.

The talk turned to eating habits. After every meal isn't often enough to brush, they agreed. Proper brushing should take place after every snack.

"Sugarless candies and soft drinks satisfy a child just as much as those with sugar," Capt. Stan-

ley M. Sussman said. "And sugarless gum is good for the teeth. It helps clean them."

"No one on the staff keeps candy around the house," Capt. Chruski said. "When holidays are past, the candy is thrown away."

Capt. Ira H. Seidman's comment was, "It is a parents duty to withhold sugar."

Education is important. Those who see the dentist are told how to care for their teeth as a part of a continuing oral hygiene program, but Capt. Harold W. Griffin from South Louisiana has seen instances where a high school graduation present is a set of dentures. Not only education on the subject is neglected, but there is no opportunity to visit a dentist from one year end to the next.

Army men and their dependents fare better, according to Capt. Griffin. "They have the opportunity to receive preventive treatment before cavities develop, and they also receive chairside instructions while they are being treated."

"We try to reach everybody we can," Col. Kirchhofer said. "We have had wonderful cooperation from Col. Thomas W. Cooke, the Missile Support Commander, and from key members of the Army Missile Command."

Shoemaker Plans For 40

Lemuel Shoemaker received his 20 year pin last week—but he reckoned he was just barely over the hump as far as his Civil Service career was concerned.

Shoemaker, who is in the Documentation Branch of the Directorate of Procurement and Production, will still be in his early 60's when he hits the 40 year service mark. The Florence, Ala., native started work with the government when he was 22.

Prior to coming to Redstone Arsenal in 1956 he worked in Washington. He has been in documentation since coming to the Arsenal.

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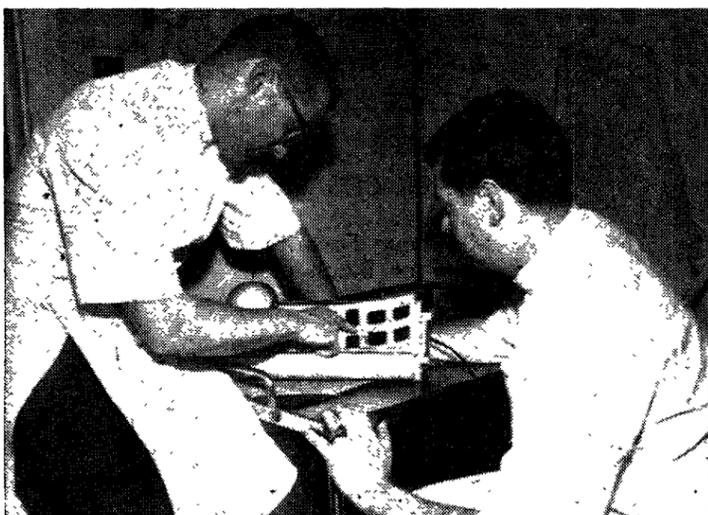
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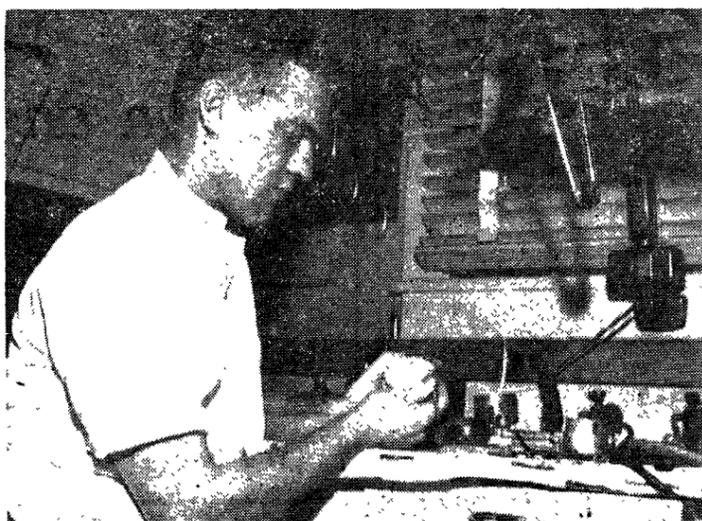
MAKES DATE—PFC Arnold Hill from the 1st ETC at the Missile School makes a date to see a dentist with receptionist, Mrs. Connie Belcher.



FLUORIDATION — Lt. Richard V. Pace uses stannous fluoride on the teeth of Mark Register to help prevent tooth decay, one of the recommended deterrents which help reduce cavities. Staff members agreed that nothing replaces a toothbrush.



EXAMINE X-RAYS—Capt Stanley M. Sussman (left) and Capt. Harold W. Griffin examine X-ray plates at the Post Dental Clinic.



LAB TECHNICIAN — PFC Edward V. Kuch readies a mold in the Post Dental Clinic laboratory. He is one of the ten enlisted men on the staff at the clinic.

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R.S.V.P.

Wives Club Luncheon Is Scheduled

A patriotic theme is planned for the Feb. 12 luncheon at the Squirrel Hill Officers Club for the Redstone Arsenal Officers Wives Club.

The 55th Army Band will present a concert during the meeting.

Reservations close at noon on Friday. Mrs. Jack R. Marsh, 877-4653, and Mrs. Asa A. Hord, 877-4055, are handling reservations. Mrs. Earl F. Otto will accept cancellations until noon on Monday.

The Rocket Nursery will be open. Reservations can be made by calling 877-5745.

Mrs. Shuput Wins Party Bridge Play

Party Bridge sponsored by the Redstone Arsenal Officers Wives Club drew seven tables of players at the Squirrel Hill Officers Club last Thursday.

Winners were Mrs. M. M. Shuput, first; Mrs. E. R. Billings, second; and Mrs. R. L. Spragins, third.

Mrs. T. R. Edwards, 877-5460 handles reservations for the Group which meets every Thursday morning.

MRS. SCOTT, CWO KREMB'S WIN AT BRIDGE

Winners at Monday night party bridge at the Squirrel Hill Officers Club last week were Mrs. Robert Scott and CWO Eugene Krembs.

Second high among the six tables in play were Mr. and Mrs. Winford Patton.

Reservations to play with the group are handled by Mrs. F. E. Moore, phone 877-4171.

SOCIAL and CLUB EVENTS

COFFEE KLUTCH FEATURES OLD KITCHEN SCENE

Tuesday the Ordnance Guided Missile School officers' wives had a Coffee in an old-fashioned kitchen at the Squirrel Hill Officers Club.

The scene was laid in the Rathskellar which was decorated with red and white checked table cloths, geraniums, old flatirons, apothecary jars of cookies and other antique items found in grandma's kitchen.

The hostesses were dressed in costume of the era with high-necked, long-sleeved, floor length dresses over many petticoats.

Mrs. R. D. White and Mrs. V. J. Laver were chairman for the event.

Engineers Schedule Dr. J. L. Randall

Dr. Joseph L. Randall, nuclear scientist and solid state physicist, will address the American Society of Tool and Manufacturing Engineers at the Feb. 12 meeting.

The engineers plan a social hour at 6 p.m. followed by dinner and the guest speaker who will discuss "Fundamentals and Applications of Lasers."

Dr. Randall is with the George C. Marshall Space Flight Center's Astrionics Division. He was a physicist with the Army Missile Command until May, 1962.

ALUMNI ROLL CALL

Middle Tennessee State College Alumni—recently moved to Huntsville, changed address, or do not receive the alumni literature can contact Mrs. Helen Davis, secretary of the Huntsville Chapter, 539-5414 to correct this.

Gen. McMorrow's Condition Listed Good By Doctors

Maj. Gen. Francis J. McMorrow continues in good condition in the Post Hospital.

Col. Harry C. McClain, post surgeon, said today that the general's response to treatment has been excellent. Complete recovery is anticipated.

The general has been undergoing treatment for a cardiac condition since January 26 when he became ill at home.

Brig. Gen. H. P. Persons Jr., Deputy Commanding General, Air Defense Systems, will act as Commanding General of the Army Missile Command pending General McMorrow's return to duty following treatment and convalescence.

Entertainment Section PFC ART KALIN

The Post-Wide Talent Contest is only a few short weeks away. The number of entries is not nearly as many as should be. I know there is more talent on Post. I can't think of a logical reason why it hasn't presented itself. The acts that have entered are of a very high quality, to say the least, and they are going to be tough to beat.

The entry requirements are simple. Just inform us that you would like to enter, and you are in. Professional or amateur experience is not a requirement. If you feel you have talent, you will get a chance to show it off.

The date for the contest is Tuesday, Feb. 26, at 8:15 p.m. The numbers to call are 876-4531 and 876-5492. Just say you want to enter the Post-Wide Talent Contest, giving your name, unit, telephone, and type of act—singer, dancer, combo, etc. So enter now and let's make this contest a real success.

The Theatre Workshop group will meet again this Sunday afternoon at 2:00 p.m. at the Service Club. This will be the third meeting for this group, and so far, it has all the makings of being a real success. There is plenty of room for more interested people. If you are interested, please stop by the next meeting and see what is going on.

Watch this column for the date of the meeting for the Talent Contest, and for more news of your Entertainment Section.

COFFEE FOR VOLUNTEERS

The Red Cross Volunteers will have a Coffee at the Squirrel Hill Officers Club at 10 a.m. Thursday, Feb. 14. Uniforms will be the costume for the Coffee.

Little Theater To Present 'Little Foxes'

Lillian Hellman's "The Little Foxes" will be presented by the Huntsville Little Theatre this Friday and Saturday, Feb. 8-9, at the Huntsville High School auditorium.

"The Little Foxes" is a drama set in the deep South in the year 1900. A Southern family, wealthy through long exploitation of the poor and the uneducated, tries to multiply its wealth by capitalizing on the industrialization of the South.

Admission is by Huntsville Little Theatre season ticket or by single-admission tickets available at the door. Except for the HLT patron section, there are no reserved seats for this production. Curtain time is 8:15 p.m.

Births at Post Hospital

Michael Frank Reidy, 9 lbs., Jan. 23, son of Capt. and Mrs. Richard R. Reidy Jr.

Pamela Suzanne Merkle, 7 lbs., 3½ ozs., Jan. 24, daughter of Sp4 and Mrs. Norman R. Merkle.

John Franz Schubert, 6 lbs., 14½ ozs., Jan. 27, son of 2/Lt. and Mrs. Franz H. Schubert.

George Ernest Seiler, 7 lbs., 5¼ ozs., Jan. 28, son of Sp5 and Mrs. Clyde M. Seiler.

HOW BIG?

Big as an Idaho potato! This was the title of the first place speech at the Tuesday meeting of Redstone Toastmasters at the Officers Club.

Capt. David Morse, assigned to the Mauler Project Manager's Office, won the cup by describing early heroes of American folklore and their Westward movement.

Jerry Harness was Toastmaster.

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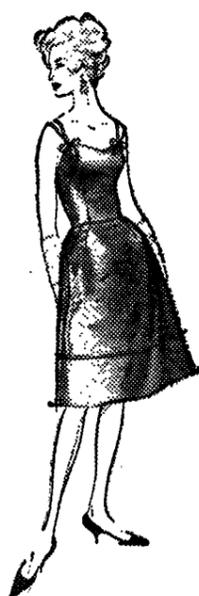
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At the Service Club

By Brenda Hanson

Boy, oh, boy, have we ever got a week lined up for all you lucky, lucky boys this week. From just a glance at this week's program, this coming week looks as if it might be one of the most entertaining of the season.

First, Wednesday the 6th, we have an EM Council meeting at 2 p.m. Then at 7 p.m. is the usual dance classes, which, by the way, are going great with Dave Izen directing. I have heard lately on good authority that we have some amazing dance talent around the Service Club that is just beginning to show up in these Dance Classes.

By the way, have you ever noticed that when someone says

the word "Chess" certain people get a strange glazed look in the eye? This marks a chess player and we plan to have plenty of glazed gazes around on the 7th. We're having a Chess Contest on this night. It starts Thursday at 8 p.m. and runs until finished or closing time. If not finished, continue the next day. Prize will be given the winner.

Friday, Feb. 8 is the International Student Night. Making this night complete is a Bar-b-Cue Supper at 5 p.m. Then at 7 p.m., comes the entertainment furnished us by the International House of Jacksonville College under the direction of Dr. James H. Jones, charge of the International House. The International Student Night is sponsored by the Huntsville Rotary Club and the Rocket Service Club. We extend a special invitation to you to enjoy the Bar-b-Cue

DAV To Sponsor Heart Fund Dance

Harry L. Harden of the Industrial Engineering Division, Directorate of Procurement and Production at the Army Missile Command is the first chairman for the first annual St. Valentine Day dance scheduled by the Disabled American Veterans.

Proceeds from the dance are earmarked for the Heart Fund in the annual drive to obtain funds for research.

Harden is also the Adjutant for

Supper and a night of very select entertainment.

Saturday night, Feb. 9, we have a quiz for you people who tend to be musically inclined. A musical quiz is on the program. We play the tune and if you are the first to identify the tune, you win the prize. Too, I will add, we have a mystery tune and if you can identify it, you win an Identification Bracelet.

Sunday, the 10th, Molly will serve coffee and donuts from the Service Club Kitchen.

The Theatre Workshop Group will meet in the main lounge of the Service Club at 2 p.m.

The highlighted event of the day is the "Cupids Dot Swing" featuring Billy and The Ravons. The dance begins at 8 p.m. We'll be looking forward to seeing you.

Monday, Feb. 11, is Game Night. Be sure not to miss this. Come out and join us.

Again Tuesday, the weekly Dance Classes begins at 7 p.m.

Miscellaneous

The recent Pool Contest was won by Al Sarkowial from HQ Det AMSC. Runner-up was Willie M. Green from Hq & Hq UTC. Congratulations to both of you.

That's all the news for this week, but keep your eye on this column, 'cause we have some interesting programs coming up at the Service Club, including a Sweet-Heart Semi-formal Dance, A Night at Harolds Club, Post-Wide Talent Contest and various others that you wouldn't want to miss. See ye at the Service Club. —Brenda

the local Chapter 26 of the DAV. Raymond Jones Armory Feb. 16. The dance to the music of Jim-D. DAV members have tickets for my Cowart's band, will be at the sale.

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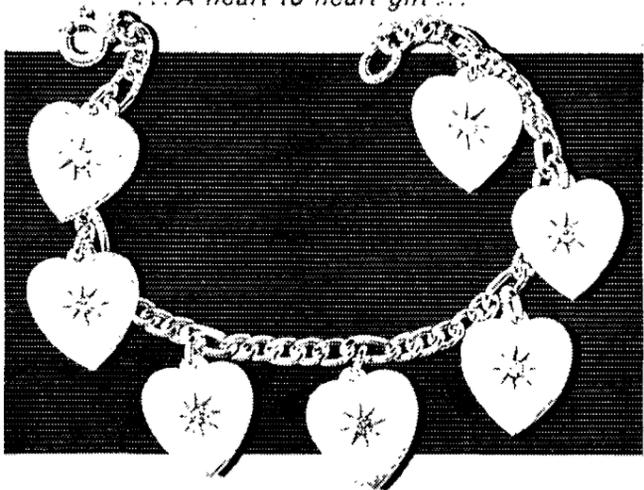


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WEDNESDAY, February 6
"Five Branded Women" (M)
THURSDAY-FRIDAY, February 7-8
"Nine Hours to Rama" (M-YP)
SATURDAY, February 9
"Cairo" (M)
SUNDAY-MONDAY, February 10-11
"What Ever Happened to Baby Jane?" (M)
TUESDAY-WEDNESDAY, February 12-13
"Merrill's Marauders" (M)
Two shows nightly at 6 and 8:30 p.m., Saturday matinee at 1 p.m., and Sunday matinee at 2 p.m.

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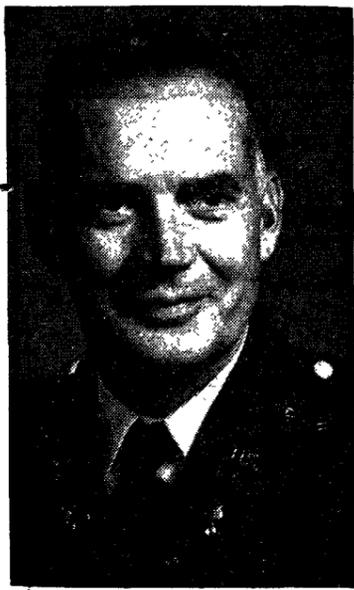
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COL. RAYMOND W. BURKETT

Col. Burkett Participates In Symposium

A graduate of Georgia Tech's Co-op Student Education Program who now is directing research and development at the Army Missile Command today is participating in a technical symposium at the school.

Col. Raymond W. Burkett, Director of the Research and Development Directorate, returned to his alma mater Tuesday for the school's 75th anniversary Symposium on Scientific and Engineering Programs.

The meeting opened with a welcome by Georgia Tech President Edwin D. Harrison. The keynote speech was by D. W. Bronk, president of the Rockefeller Institute and past president of the National Academy of Sciences.

Col. Burkett is participating in

Credit Union Holds Annual Meeting Here

Election of new officers and the annual report of the status of the Redstone Federal Credit Union took place in the Auditorium of the Army Missile Command Headquarters Thursday afternoon.

The membership voted on members for the 1963 Board of Directors which in turn elected officers for the coming year.

The three men added to the Board of Directors for three year terms are: Brig. Gen. H. P. Persons, Harold B. Carpenter, and John W. Cooley. Re-elected to the credit committee for three years was Roy Hollihan, and for one year, Ryan H. Carter.

Hollihan's report as Credit Committee Chairman showed 11,634 loans granted in 1962 with loan debits totaling \$8,966,724—a gain of \$3.3 million over 1961.

The treasurers report showed a reduction of surplus capital by added investments in loans to members rather than investments in savings and loans associations or credit unions. The report was read by treasurer, C. B. Babcock.

Carpenter, re-elected president for 1963, reported that the 20 per cent reduction in interest rate on loans boosted outstanding loans to members by \$2.3 million, a 52.9 per cent gain. He said, "It is an indication of benefit to borrowers and long-term economic prosperity to the organization."

Other officers for the coming year are: Luther P. Adams, first vice president; Lawrence D. Craig, second vice president; Chauncey W. Huth, secretary; and C. G. Babcock, treasurer.

panel discussions on steps recommended for universities, industry and government to facilitate the solving of future problems associated with large-scale scientific pursuits.

The meeting is officially known

as the Symposium on Engineering for Major Scientific Programs. It is designed to present the opinions, ideas and methods of outstanding scientists, engineers and administrators for developing scientific programs.

Col. Burkett has been R&D Director at Missile Command since

September, 1959. He formerly graduate of Georgia Tech where served at key Army installations he received a Bachelor of Science in the U. S. and Korea. He is a Degree in Electrical Engineering.

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Four-Door sedan with "6" motor, standard shift, radio, heater and black finish with black and red finish inside. It's like new.

\$995.00

'59 PLYMOUTH

BELVEDERE Four-Door "6" with automatic shift, radio, heater and it's a one-owner car with 32,000 actual miles. It's white with red interior.

\$1095.00

'59 OLDSMOBILE

SUPER "88" Hardtop 4-Door with full power, radio, heater and only 32,000 actual miles. It's a one-owner and like new.

\$1495.00

1962 T-BIRD Hardtop

Black with black interior, full power. Like new, 3,000 miles. New car dealers cost \$3500.00.

Our Price \$3495.00

1959 CHEVY Impala 4-Door

Hardtop (2 to choose from) 6 cyl., auto., radio, and heater, power steering and brakes, 16,000 miles. One owner, like new.

\$1495.00

1960 CHEVY Impala 2-Door

Hardtop, auto., radio, heater, like new. (3 to choose from.)

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1960 CORVAIR "700" 4-Door

Auto., radio and heater. Like new, red with gray interior. Priced to sell at . . .

\$1195.00

1960 FALCON 4-Door

Stick shift, radio, heater, one owner. Extra clean.

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'60 DODGE DART PHOENIX 4-Door

Sedan. Radio, heater, full power. 17,000 actual miles. Like new (2 to choose from.)

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1955 FORD VICTORIA 2-Door

Hardtop, V8, auto., radio, heater, new tires. Red and white leather interior. Original, immaculate. Ideal second car.

No Money Down

1960 PONTIAC 4-Door Catalina

Hardtop, auto., power steering and brakes. 24,000 actual miles. Like new.

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1962 VALIANT SIGNET 2-Door

Hardtop, black with red interior. Bucket seats, radio and heater. A beautiful 14,000 mile car.

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1957 PLYMOUTH Wagon

V-8, auto., radio, heater, new tires. Local owned.

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—and—
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DIAL 539-1769**



JESSE R COLVIN

Pictured at left has just recently joined our auto sales firm. He is "The Old Tennessee Salesman" from Pulaski formerly employed with Ray-Bradford Motor Co. on Meridian St. We invite all Mr. Colvin's customers and friends to stop by our Madison Street Lot for your auto needs. Day phone 539-1769—Night Phone 534-9716.

Salesman

GORDAN PETERS

(On your right) has been talking our clean cars over the neighborhood for some time. He works regular hours with the Teleprompter Corporation—after hours and Saturdays and Sundays you can talk to him about our cars at the lot. Phone days 539-1769.

Salesman



ADKINS GRAVES, JR.

Shown on your left is our new representative in New Hope, Alabama. He and We invite all his friends, customers and relatives to visit him on our lot all day Saturday or contact him at his residence by phoning 723-7151 from 4:00 p.m. to 6:00 p.m. Monday through Friday. His Saturday phone is 534-4544.

Salesman



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HILL CHEVROLET CO.

Logistics Secretary Will Visit

A. Tyler Port, Deputy Assistant Secretary of the Army for Logistics, will be welcomed Friday (Feb. 8) to the Army Missile Command by Brig. Gen. H. P. Persons, Commanding General.

Port and other government and military officials will meet with Project Managers and procurement personnel of the Army Missile Command. They will discuss in detail the Missile Command's small business program in connection with specific commodities and items to be purchased during



A. TYLER PORT

the remainder of fiscal year 1963. Port is making a tour of major elements of the Army Materiel Command to study ways and means of increasing government awards going to small business.

Port will be accompanied by Col. Fredric C. Bott, Assistant Executive for Logistics; Jack Askins, the Army's Small Business Advisor; Brig. Gen. E. J. Gibson, Director, Army Materiel Command Procurement and Production; and H. M. Evans, Army Materiel Command Small Business Advisor.

The group will arrive in Huntsville Thursday night and meet with Missile Command officials Friday. Jeff Darwin, Small Business Advisor for the Army Missile Command, is project officer for the visit.

Port and his party are scheduled to leave Huntsville Friday night after concluding their sessions at Missile Command headquarters.

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BROTEMARKLE IS HONOR GRADUATE

Pvt. Robert E. Brotemarkle of Youngstown, Ohio, won an outstanding student award from the Tennessee Valley Chapter of the Association of the U. S. Army here Friday by averaging 96.9 in the Hawk internal guidance and launcher electronic repair course at the Army Ordnance Guided Missile School.

The 24-year-old mechanical engineering student headed a group of 35 graduates who heard Maj. Michael J. Dooley, chief of the

school's Air Defense Missile Division, urge them to continue to take advantage of every educational opportunity the Army offers in the missile field.

Honor graduates were Pfc. John W. Rennicks in Corporal repair; Pfc. John C. Graichon in Lacrosse external guidance repair; and Sherley G. Salmon in Nike mechanical repair.

Although about 14 of every thousand in the Nation's population worked for the Federal Government in 1956, only 13 of each thousand are so employed today.

— FUN FOR ALL —
EACH FRIDAY NIGHT
Free Movie for Children!
Beginning February 8
at
Disabled American Veterans
Chapter 26
5013 Governors Drive, S.W.
8 P. M.
Everyone Is Cordially Invited!

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DOWNTOWN

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BUILDING 4488 BRANCH OFFICE

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Monday Thru Friday

BUILDING 5681 BRANCH OFFICE

Open
10:00 A.M. to Noon
12:30 P.M. to 3:00 P.M.
Monday Thru Friday

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Open
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(On the Mall)
Parkway City Shopping Center
Open
Noon to 8:00 P.M., Daily
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Low-cost loan service to members is at the rate of 8/10% per month on the unpaid balance. For a \$100 loan repaid in twelve months, the cost is only \$5.28.

Loans are granted from \$50 to \$7,500, with repayment periods up to five years for mobile home and real estate financing.

Borrowers insurance provides coverage equal to the outstanding loan balance, subject to terms of the group policy, without additional cost to the borrower.

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- Shares Deposits
- Shares Withdrawals
- Loan Payments
- Loan Disbursements
- New Accounts
- Loan Counseling

Members' paychecks will be cashed when a shares deposit or loan payment is being made.



Those services listed are available at each of the Five Credit Union Offices.

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A Cooperative Savings and Loan Corporation

Redstone Arsenal, Alabama

INCENTIVE AWARDS

Outstanding Performance
Maggie B. Tucker, Voucher Examiner, Military Division; **Steve R. Carter**, Clerk Typist, Asst. for Communications.

Outstanding
Reavis C. O'Neal, Jr., Public Information Officer, OGMS; **Michael**



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TAKE 24 MONTHS TO REPAY!

Cash You Receive	24 Monthly Payments	Cash You Receive	24 Monthly Payments
\$408.57	\$20	\$945.71	\$46
570.00	28	1117.13	54
650.71	32	1717.13	82

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Calvin D. England, Stock Control Clerk, Dir. of Supply & Maint.; **Max L. Carder**, Management Analyst, Dir. of Supply & Maint.; **Barbara B. Turney**, Clerk Steno, Consolidated Supply Division; **Doris K. Flowers**, Secretary, Inspection Division.

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Mattress or box spring, twin or full size



In Las Vegas, people will pay \$20 a night to sleep on this same mattress—Enjoy all the costly features that the Hotel Sahara specified for its lavish new rooms . . . in your own home—tonight!

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Another great Sealy buy!
 Sealy changed the cover and

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\$39⁸⁸
Mattress or box spring, twin or full size

Here's all the comfort and support of the fine quality Health Flex inner-spring unit at \$20 off! Plus the luxury of a smooth button-free surface covered by a new, durable 8-oz. woven stripe fabric. Huge Sealy buying power and stepped-up production for this sale allows you to save \$20. Quantities limited, however, so buy now!



Has all the features of Sealy's famous \$59.50 Health Flex mattress, with a new cover!

Sealy's 82nd Anniversary Sale • Come in today

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Lt. Col. William Graham, the British Liaison Officer, Army Missile Command spoke to the students of the Naval Reserve Offi-

cer's School, at the Naval Reserve Training Center in Huntsville, Saturday morning, Feb. 2. His topic was: "The Role of the Royal Electrical & Mechanical Engineers in the British Army."

February TIRE SALE!

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Gen. Waters Commands CONARC

HEADQUARTERS UNITED STATES CONTINENTAL ARMY COMMAND, FORT MONROE, VIRGINIA, Feb. 1—In an honor-guard ceremony here today, Lt. Gen. John K. Waters assumed command of the United States Continental Army Command.

Top military officers and dignitaries from the Tidewater Area of Virginia were on hand to welcome the much-decorated general who, in his previous assignment, headed the Fifth United States Army.

Gen. Waters was nominated for his fourth star at the end of the announcement of his appointment as incoming commander of USCONARC, Jan. 15.

Gen. Herbert B. Powell retired Jan. 31, 1963 at USCONARC, climaxing a 43-year military career.

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Page 14 The Redstone Rocket — Feb. 6, 1963

FOR RENT — Modern, furnished, carpeted room for working girl within walking distance of shopping center. Phone 876-0079 or 534-0969 after 6 p.m. ttc

FOR SALE — AKC registered Chihuahua, male, 2 years old. Large platform rocker, good condition, antique Gibson tenor banjo, and an antique rocking chair, which reclines. Flatirons, and antique wardrobe—ideal for converting into gun case. This wardrobe has a good finish on it. Will sell or trade for anything of equal value. Phone 773-6032, or see at 202 Rock St. Hartselle. tfnc

FOR SALE BY OWNER — 1959 Ford Galaxie, 1959 Pontiac Catalina, both extra clean and priced right. See at 218 Wingate Ave., S.W., (one block south of Drake Avenue). ttc

FOR SALE — One year old house. 3 bedroom, ceramic tile bath, large living room, dining room, built-in electric kitchen with plenty of cabinets. Carport and utility room also out building. Located on large lot. City sewerage already paid. Phone Falkville 784-2905 after 5:30 or on week-ends. tfnc

FOR SALE BY OWNER — 3 bedroom brick and drop siding home in Hartselle. Two baths, double carport, chain link fence encloses back; storm windows, termite treated. On 104x175 ft. all-shady lot in beautiful Tanner Heights, Hartselle. Call SP 3-7491. ttc

FOR SALE — New reupholstered couch and chair. Like new condition. Phone Decatur, 353-7714. ttc

TOP TALENT — A career center service. Our girls are paid each Thursday. NEEDED good shorthand, secretaries, good dictaphone secretary, IBM executive typist, statistical typist to work on our payroll for leading companies in Huntsville and vicinity for assignments for any length of time you wish. No fee to pay. 614 Madison St., phone 539-3451, after hours, 536-1096. ttc

MME. HEDY FIORY, former European opera and concert singer, INSTRUCTOR in voice, phonetics, opera arts, piano. NEW RESIDENCE, 3505 Bluegrass Road, Phone 536-9020. 2-6c

FURNISHED — Modern 2 bedroom house. Also housekeeping units and motel rooms. Fishing pier and dock. Apply Nolan Motel, Guntersville. 582-3178. 2-20c

MIRROW LAKE — Guntersville Lake, Honey Comb Creek section of Mirrow Lake. 3 bedroom, one-half basement, Boat house, 2 lots, \$10,500.00. VA, conventional financing. Ed Neely Realtor. 723 Broad Street, Guntersville, Alabama. 582-3914. 2-6c

PIANO INSTRUCTION — Register now for after Christmas Holidays. We will have a few openings in Lakewood, Blossomwood, Thornton Acres, Darwin Downs, and Bankhead Estates. For more information call Mrs. John Dudley. Phone 536-8444. ttc

BAND INSTRUMENTS — Rental Returns. Clarinets, Cornets, Trumpets, Trombones, Saxophones, Flutes, etc. Prices range from \$29 to \$79 or higher. All instruments guaranteed. Cash or Terms. Phone 536-9933, 9 a.m. to 9 p.m. ttc

BILL'S ALTERATION SHOP, 202 Eustis St. — Alterations of all kinds for men, ladies and children. Reweaving, phone 536-0811. Open 8 to 5:30—'til 7:30 on Thursdays. Just 1 door off courthouse Square S. E. 2-13c

FOR SALE—ECONOMY STATION WAGONS — 1960 Borgward, low miles, new rubber, \$750.00. 1958 Opel, \$650.00. Call 876-2531 weekdays, 534-7110 evenings and Sundays. ttc

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Cash You Get ↓	MONTHLY PAYMENT PLANS		
	30 months	24 months	12 months
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1000	\$40.05	48.76	92.30
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2000	78.96	96.13	181.96

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FOR SALE — 1962 Dodge Polara 500 Sports Model. White with green upholstery, carpet, bucket seats, radio, heater, small equity and take-up payments. Call Bryan 539-8961, 539-8652. 1tp

FOR SALE — 1957 Pontiac, 4 door hardtop. Call 536-8374 after 5 p.m., Monday through Friday. 1tc

FOR SALE—XK Jaguar Coupe. Excellent condition. Automatic drive. One owner, never raced. \$2,100. Call 534-5017 after 6 p.m. and weekends. 1tp

MOTORCYCLE FOR SALE—1960 Triumph Motorcycle. Excellent condition, \$295.00. Can be seen anytime. Phone 539-6742. 1tp

GUNTERVILLE — extra large wooded lot, 2 blocks off lake, centrally located between grammar and high school, ideal for split level or full basement home. M. R. Kirkland, 3301 ROELL Circle, Paducah, Ky. 2-13-c

FOR SALE — 1959 Oldsmobile, bargain, white sedan power, Mark III air, 5-almost new tires, \$1600, phone 534-6608. 1tc

FOR RENT — 3 bedroom modern house. Electric heat, also open fireplace. Large yard, ideal for children. Located 25 miles from Arsenal. See L. C. CRAWFORD Rt. 1 Baileytown, Ala. or Phone 586-3342. 1tp

FOR SALE BY OWNER — 1960 Volkswagen convertible, 22,000 actual miles, all accessories, excellent condition. JERRY HUNTER, 433 - 1039 Scenic Drive, Fayetteville, Tenn. 1tc

FOR RENT TO GENTLEMEN — 1 and 2 room efficiency apartments, private bath, private entrance, off street parking, downtown. Apply between 10 a.m. to 4 p.m. 106 N. Lincoln Ave. Phone 534-1451. tfc

ON GUNTERVILLE LAKE—For Rent Boat House, 2 housekeeping rooms with private bath for couple or gentlemen. House-trailer space available Feb. 1st, also cabin site for sale. Call 536-3113 or 534-1451. Write P. O. Box 473, Huntsville. tfc

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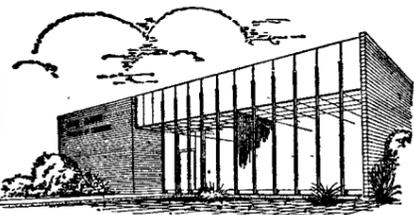
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PROJECT 60 REPRESENTATIVES—Four members of a group studying engineering liaison and support of contract management are shown working on a report in the office of Chairman H. R. Lowers, chief engineer at the U. S. Army Missile Command. Pictured from the left are Lt. Col. Byron Spears, Air Force; Lowers; Charles Tantiillo, Navy; and Richard Rosenberger, Defense Supply Agency.

Studies Create Problem In Good Housekeeping

The Chief Engineer for the U. S. Army Missile Command is literally up to his "elbows" in paper work these days.

Stacks of paper, unbound documents and notes found on the desks and tables in the office of Chief Engineer H. R. Lowers hardly leave room for a thinking man's feet.

The clutter is not the result of poor housekeeping. The reams of paper were gathered by a joint Department of Defense NASA group, of which he is chairman. The group is studying engineering liaison and support of contract management.

Lowers, the only Missile Command representative in the nation-wide project, and five men from other services and agencies are presently writing a joint report at Redstone Arsenal.

The committee is one of 14 sub-task forces of project 60 which was established in May, 1962, by the Secretary of Defense to improve field operations involved in the management of DOD and NASA contracts.

Lowers said the group has traveled thousands of miles since late October in visiting more than 30 military organizations and NASA installations. Purpose of the visits, he stated, was to observe where and how the functions of engineering support to contract administration are being carried out.

Sub-task force members and the organization they represent are Lt. Col. Byron Spears, head of Development Engineering in the Air Force Plant Representative's office at Martin, Denver; Charles Tantiillo, Supervisor of Naval Material Office, New York; Don-

ald Nowell, Bureau of Naval Weapons; Richard Rosenberg, Headquarters of the Defense Supply Agency; and Joseph Piland, Manned Space Flight Center, Houston.

Lowers said the group is presently working at Redstone Arsenal because the chairman's agency furnishes administrative support in writing the report.

LT. DANIELS GRADUATES

Lt. Wesley Enochs Daniels, on leave from the Ordnance Guided Missile School, has been grad-

uated from the University of Omaha under the bootstrap program. He received the degree of Bachelor of General Education.

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Randolph School Benefit Planned

Randolph School will hold a benefit fashion show and bridge Feb. 21 at the Ft. Raymond Jones Armory to raise funds for library equipment.

Spring fashions from Dunnivant's in Huntsville and Pizitz of Birmingham will include clothes for both children and adults. An Arabian nights theme is planned.

Refreshments and door prizes will highlight the event. Tickets are available at the school office and from mothers of children attending Randolph School.

Mrs. John Strother is chairman.

Scholarship Offered To Aspiring Singer

Some aspiring young Arsenal singer has been offered an outstanding opportunity to advance his voice training.

Mme. Hedy Fiory, former European opera singer and instructor, has offered a \$200 scholarship to an advanced tenor between the ages of 17 and 28. The scholarship includes study with Mme. Fiory for six months.

Applicants with sincere interest in singing may obtain further information by calling 536-9020.