

**REVIEW AND RETIREMENT**—Brig. Gen. H. P. Persons, Jr., awards certificates of retirement to six men at the Retirement Parade and review Friday night on the Redstone Arsenal parade field. Retiring, left to right, are: Lt. Col. Melvin L. Kirchhofer, Lt. Col. Henry E. Attaya, Jr., Lt. Col. David J. Walsh, Jr., Maj. William D. Burroughs, M/Sgt. Milo W. Warren and SFC Floren K. Baker.

## Six Honored At Review; Fifteen Retire Mar. 31st

Six of the fifteen men who retired on Mar. 31 were honored at a Retreat Parade and Review Friday night at the Redstone Arsenal Parade field.

They are Lt. Col. Melvin L. Kirchhofer, Lt. Col. Henry E. Attaya, Jr., Lt. Col. David J. Walsh, Jr., Maj. William D. Burroughs, M/Sgt. Milo W. Warren and SFC Floren K. Baker.

Brig. Gen. H. P. Persons, Jr., Commanding General of the Army Missile Command, was the reviewing officer. He also presented the retirees with certificates of retirement.

Lt. Col. L. M. Anderson served as commander of troops. All units stationed at Redstone Arsenal were represented including the German troops at the Army Ord-

nance Guided Missile School. On the reviewing stand with Gen. Persons and the retirees were Lt. Col. Hans W. T. Finck, senior German Army Officer; Lt. Col. Dr. Joh.-Heinrich Helmers, senior German Air Force officer; Col. William J. Macpherson, Commandant of the School; Col. Richard P. Davidson, Commander of the Army Missile Support Command; and Col. Henry J. Katz, Deputy Chief of Staff for the Army Missile Command.

The troops were led by the 55th Army Band, followed by the German Army and Air Force marching as one unit. The German and American national anthems preceded the march.

The 291st Military Police Company's drill team represented the German troops at the Army Ord- (See SIX HONORED on Page 3)

## Pershing Goes From Cold To Hot

The U. S. Army's Pershing is being yanked out of the ice box and shoved into the oven.

And there are a lot of miles between the deepfreeze and the steam bath.

The miles have little meaning to the test team ramrodding the Army's all-weather Pershing ballistic missile system through a series of weather extremes to test the system's reliability.

The Pershing is due out of the Arctic ice box late in March, after being chilled, joggled, bounced and generally abused in cold weather ranging from 50 below to 35 above.

It's a chilly range of temperature extremes, but the icy weather in the Arctic fills the bill for the Army's testing needs.

Topped by a dummy warhead section, the test version of the Pershing is being used by the Army Missile Command to simulate tactical conditions in cold weather. The missile used by the Army utilizes inert motors and cannot be fired. The inert motors are filled with ordinary concrete for ballast. The rest of the missile and all of the ground support equipment are fully operational.

As Pershing comes out of the Alaskan chill, it will find little relief from extremes of weather. No sooner will it be yanked out of the deepfreeze than it will be shoved straight into a soggy oven called the tropics.

"From thermal underwear and parkas to tennis shorts," is the way one Army missile tester put it.

By mid-May, the same inert mis- (See PERSHING on Page 5)

# The Redstone Rocket

Published by Jack W. Hoffhaus, Hartselle, Ala., a private individual in no way connected with the Department of the Army. Opinions expressed by the publishers 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.

VOL. XI; NO. 46

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

April 3, 1963

## Engineers Ask For Construction Bids At Redstone

Army engineers have called for bids for the construction of a rocket propellant mixer facility at Redstone Arsenal, for use by the Rohm and Haas Chemical Company doing contract work for the Army Missile Command.

Specifications call for clearing and grading an acre of land; building a bunker-type earth-mounded reinforced concrete structure, with a specially designed blowout wall; erecting a small prefabricated metal utility building; constructing an asphalt access road and apron; providing utilities in- (See CONSTRUCTION on Page 3)

### COMPETITION ANNOUNCED

The U. S. Board of Civil Service Examiners announces openings for engineering aid and engineering technician on Announcement AT-35-2(63).

Aids are in grades GS-3 and GS-4. Technicians are needed at GS-5 through GS-11.

Skills include aeronautical, architectural, chemical, construction, electrical, general, materials, mechanical and structural.

This competition supersedes all previous registers.



**INGENIOUS AND PRACTICAL**—Four scientists from the Army Missile Command Research and Development Directorate are nominees for the Third Annual Department of Army Research and Development Achievement award. Left to right they are: Vernon A. Nieberlein, physical chemist; Dr. William C. McCorkle, physical scientist; Bernard J. Alley, physical chemist; and Carlton H. Cash, physical scientist. Their research in specialized missile development won them the nomination.

## 4 Nominated For Research And Development Award

Four men from the Army Missile Command Research and Development Directorate were nominated for the Third Annual Department of Army Research and Development Achievement Award, Brig. Gen. H. P. Persons, Jr., Commanding General of the Missile Command, announced Monday.

Dr. William C. McCorkle, Jr., and Carlton H. Cash, both physical scientists, Vernon A. Nieberlein and Bernard J. Alley, both physical chemists have been recommended to the U. S. Army Materiel Command for consideration at Army level.

McCorkle, director of the Advanced Systems Laboratory in the Future Missiles Systems Division of the Directorate, has been working in missile guidance technology and has invented new concepts of guided missile guidance and free-flight rocket guidance, plus improvements on existing systems. His inventions are designed to produce low cost and high accuracy guidance systems.

## JETS Receive Club Charter

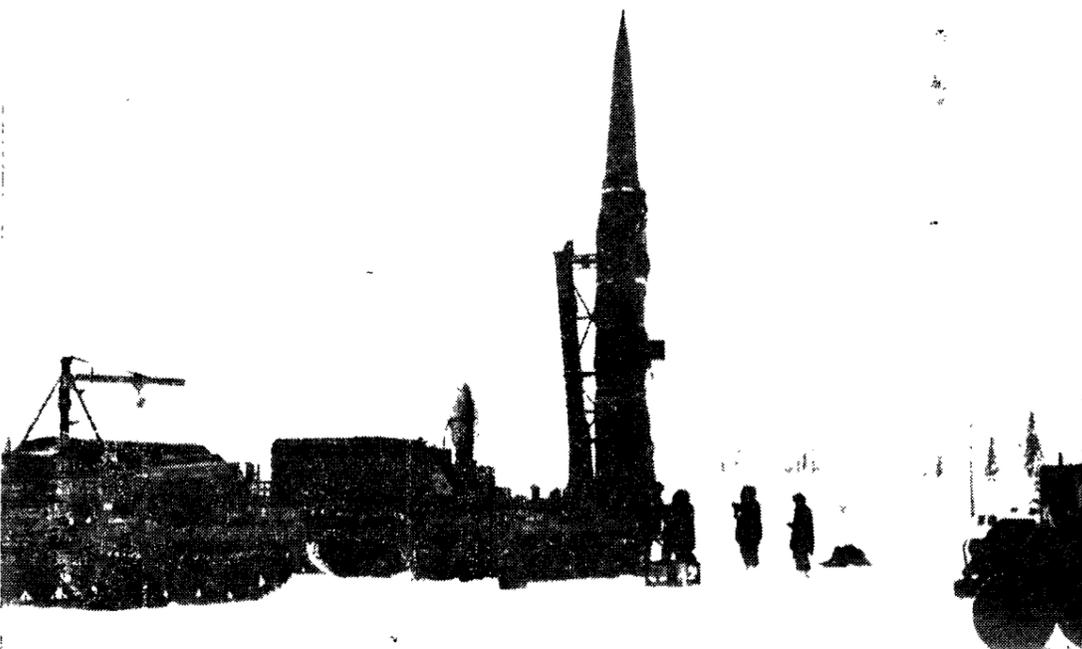
The Lee High School Junior Engineering Technical Society Chapter was chartered this week in a

(See Picture on Page 2)

ceremony held before a student assembly.

Fulton Hamilton, Lee High School Principal, accepted the (See JETS on Page 2)

In 1953, Dr. McCorkle received a Ph.D. degree from the University of Tennessee. He studied there as an undergraduate and earned his bachelor of science degree in (See FOUR NOMINATED, Page 3)



**COLD WEATHER TESTS ON MISSILE**—The Pershing's ability to function in severe weather has been proved in tests at Fort Wainwright, Alaska, near Fairbanks. This kind of testing not only verifies system operation in very cold weather, but provides system engineers with the opportunity to analyze cold weather handling and operating procedures. The Pershing Project Office at the Army Missile Command is managing the missile system's development. Prime contractor is Martin Co., Orlando, Fla.

# 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 520 to phone 534-4701, as representative of the publisher. Advertising deadline—5:00 p.m. display ads—10:00 a.m. of Friday before publication. The Redstone Rocket is distributed free of cost to personnel at Redstone Arsenal. Mailing rates for the Rocket are \$2.25 a year, or \$2.80 for six months, tax included. Mailing arrangements may be made with the publisher, P. O. Box 520, Huntsville, Ala.

## Rocket Reminiscences

On secretaries. Fear your dresses tight enough to show your legs, but loose enough to show you're a lady.

—Mame Warren

## Our Pershing

During the past week, our Pershing ballistic missile came through another rigorous test with flying colors.

Following a long cross-country march through mud, sand and rough fields in the pine and palmetto thickets near Orlando, Fla., the ground support equipment made a tactical-type overland march to Cape Canaveral. Much to the credit of all those who have been connected with the Pershing project, the system performed perfectly during the march and checked out with precision afterwards.

The Pershing's reputation has preceded it, even before it has completed its development period. In an editorial the past week, the Orlando Evening Star said of the Pershing:

"... it is the pride of the Army and the delight of those who test fire it..."

## JETS

(Continued From Page 1)

charter from Mr. John S. Hinkle, Chairman, Madison County Advisory Committee for JETS.

The Junior Engineering Technical Society, popularly known as JETS, is a national organization in which industry, government tech-

nical associations, and educational institutions work together to encourage and assist technical and scientific programs in high schools.

In addressing the students Hinkle, who is chief of the Training Division, Civilian Personnel Office Army Missile Support Command, pointed out that college engineering enrollments have dropped each year for the past 10 years and that during the same period our na-



**HEAD START FOR BUDDING YOUNG SCIENTISTS**—Lee High School junior Richard O'Bryant (right center), son of Mr. and Mrs. Carvel M. O'Bryant of 3405 Hutchens Ave., and president of the new Lee High Chapter of the Junior Engineering Technical Society, accepts the charter from John Hinkle (left center), chairman of the Madison County Advisory Committee for JETS. Looking on are Lee High School principal Fulton Hamilton (left) and Lt. Col. Earl D. Hicks (right) Assistant for Communications, Army Missile Support Command at Redstone Arsenal.

tional needs for engineers have increased.

"The number of engineers graduated last year in the United States had dropped to a little more than 33,000, whereas the Soviet Union was reported to have graduated about 125,000," Hinkle said. "The JETS program provides opportunities for those who have aptitudes for mathematical and scientific subjects to better prepare for an engineering or scientific career and offers many types of scientific experiences, including professional assistance of men actively engaged in scientific fields," he added.

James D. Blackburn, mathematics instructor, is the teacher sponsor of the newly formed organization. Student officers are Richard O'Bryant, president; Ronald Hingenitz, vice president; Charles Clark, secretary; Kim Robertson, treasurer; and Ronnie Hendrix, reporter.

Taking part also in the chartering program were Dr. Joseph Dowdle, University of Alabama Graduate School; Lt. Col. Earl D. Hicks, Assistant for Communications, Army Missile Support Command; Mathew W. Weber, Technical Manager, Thiokol Chemical Corp., Redstone Arsenal Division; and James M. Donnini, Educational Committee Chairman, Alabama Society for Professional Engineers.



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(Continued From Page 1)

physics and mathematics at the University of Richmond, Va. He also studied at Tulane in New Orleans. He received four scholarships in addition to other scholastic honors.

Dr. McCorkle came to work at the Missile Command as a member of the Army Rocket and Guided Missile agency staff in 1957.

**Carlton H. Cash**, working with doppler radar, developed a compressed coherency detection radar technique which has been given the code name Cocode.

He is chief of the Radar Branch in the Electromagnetics Laboratory.

His invention compresses radar doppler frequencies to narrow bands but does not compress noise or interference. The system yields improvement in four major areas: reduction of band width; elimination of range and velocity ambiguities associated with fast moving targets; reduction of frequency stability requirements to achieve rejection of clutter; and removal of velocity errors due to vibration.

Cash is a native of Rison, Ark., and a graduate from the Arkansas A and M College. He did graduate work at the University of Washington before he joined the Naval Electronics Laboratory staff at San Diego, later transferring to Corona, Calif. He came to Redstone in 1961.

Cash holds a patent on a code sorter printer tube.

**Vernon A. Nieberlein**, chemist in the Solid Mechanics Branch of the Physical Sciences Laboratory, has been working on basic and applied research to advance knowledge about high temperature materials and their application to solid and liquid propellants.

He has developed a new material to withstand very high temperatures which reduces both weight and cost of anti-missile missiles. Reliability is increased and hot gases can be ejected at an angle of almost 90 degrees.

Nieberlein was born at Dayton, Ohio. He earned his bachelor of chemical engineering degree at the University of Dayton in 1939 and

has taken graduate work in mathematics and chemistry at the University of Alabama.

Nieberlein's research includes electro-chemistry and extractive and chemical metallurgy.

Nieberlein joined the Physical Sciences Laboratory staff in 1959, specializing in rocket nozzle materials. He is a consultant for the Nonferrous Metallurgy Section of the American Ordnance Association and has written a number of papers in his specialized field.

**Bernard J. Alley** is a group leader in the Propulsion Laboratory. He specializes in techniques applicable to quality control of composite propellants.

Born at Charleston, South Carolina, in May 1929, he earned a bachelor of science degree in 1950 at the Citadel and went on to earn a master of arts degree from the University of North Carolina in 1950 in physical chemistry.

He came to Redstone as a civilian in 1956 after a tour of Army duty.

His invention deals with specialized application of analytical and physical chemistry techniques for quality control of composite propellants.

Both Alley and Nieberlein are members of the American Chemical Society. Alley is also a member of the American Institute of Chemists.

The Missile Command review board was composed of Jack M. McConaha, chairman; Dr. William W. Carter, James J. Fagan, Horace R. Lowers, Carl E. Duckett, Frank J. Buckley, Lt. Col. David Walsh, Jr., Lt. Col. Alfred Holston, Jr., Joseph Coffman and L. M. Brockman, recorder.

**CONSTRUCTION**

(Continued From Page 1)

cluding water, steam and air; electrical work; and grassing and fencing.

Contractors' competitive bids for the job will be opened at 11:00 a.m., CST, Apr. 25, at the Corps of Engineers district office, 2301 Airport Boulevard, Mobile. The contract has been set aside for award to a small business concern in the interest of assuring such firms a fair share of Government

**SIX HONORED**

(Continued From Page 1)

unit. Detachments from the Army Missile Command, the Army Missile Support Command, the Missile School staff and faculty and student body were all represented.

The parade is the first in 1963. Others whose retirement became effective over the weekend are: Lt. Col. Stanley C. Nyhan, Maj. Charles X. McHugh; CWO William H. Burns, M/Sgt. Raymond F. Ellison, M/Sgt. Edward S. Benton, M/Sgt. Rainaldo Cancel, SFC Elgia E. Powell, SFC Zeb Y. Hoyle, SP4 George C. McConeghy.

**LT. COL. HANSEN JOINS SUPPORT COMMAND STAFF**

Lt. Col. Carl H. Hansen has been named by Col. Thomas W. Cooke, Commander of the Army Missile Support Command, as Assistant for Personnel and Administration.

Col. Hansen's previous assignment was with the Military Assistance Advisory Group in Vietnam.

He enlisted in the Army in 1940 and was commissioned in December, 1942. During World War II, he was stationed at Trinidad. He also has had command of a Quartermaster Depot in Hawaii and was at Inchon during the Korean conflict.

While stationed in Hawaii, Col. Hansen was awarded the Army Commendation Medal.

Born at Rice Lake, Wis., he grew up at Tampa, Fla., and married a girl from Lakeland, the former Miss Berta Lee Hough, daughter of Mrs. Berta E. Hough. The couple has four children, Linda, 19; Randolph, 15; Sharon, 9; and Clara, 8.

Col. Hansen attended the University of Kentucky, majoring in accounting.

Most of his assignments in the U. S. have been in the South. He



**WHERE ARE YOU**—Springtime is a good time to stroll through this long leafy lane that is complete with little footbridges and towering cedars that meet overhead. It looks like it ought to be in a park—but it's right on the Arsenal. Wilma Cobb (left) and Margaret Vaughn have just stepped out of their office on a sunny day. **CLUE:** You can't miss it if you come in Gate 1. Answer page 16.

received his basic training at Ft. at Ft. Benning, Ga., Ft. Bragg, N. Jackson, and has been assigned C., and Ft. Knox, Ky.

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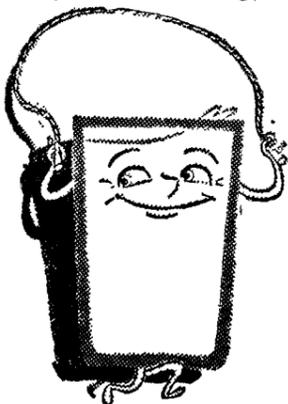
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# SOCIAL and CLUB EVENTS

## Wives Club Plans Globe Circling Party

Luncheon Apr. 9 for members of the Redstone Arsenal Officers Wives Club will have a globe-trotting atmosphere.

Club members plan an exhibit of items gathered in travels around the world. They plan to wear costumes of the countries depicted in the various exhibits.

A social half hour in the Redstone Room of the Squirrel Hill Officers Club is scheduled at 12:30 p.m. Lunch will be served at 1 p.m. in the Hawk Room.

Mrs. Rudolph White, 877-5531 and Mrs. Phillip Burleson, 877-5736 are handling reservations which must be made by noon the preceding Friday. Cancellation deadline is noon Monday and is handled by Mrs. Earl Otto, 877-5538 and Mrs. Rex Javins, 877-4031.

## Two Join Redstone Sojourners Friday

Redstone Chapter No. 353, National Sojourners, held a business meeting at the Redstone Arsenal Officer's Club Friday night.

U. S. Air Force Maj. Donald M. French and Army Capt. Wilbert T. Johnson were initiated. Maj. Philip E. Burleson, vice president, announced that the April 12 meeting would be a dinner meeting honoring Huntsville area past masters of Masonic Blue Lodges.

## Industrial Group Schedules Meeting

The Huntsville Chapter of the American Institute of Industrial Engineers will meet Apr. 8, at the Sahara Motel.

The evening's program will be highlighted by a presentation of "Business Games" by Prof. C. N. Cobb, Head of the Industrial Management Department at Auburn University. Professor Cobb will explain the value of dynamic management decision games, how to construct, develop, direct, and modify such games and will give examples of these games.

Social hour begins at 6:15 p.m. with dinner at 7:15 p.m. and the program at 8:00 p.m.

## CHILDREN'S EASTER EGG HUNT

The annual Children's Easter Egg Hunt at Redstone Arsenal will be held at a new location this year, East of Hughes Drive, North of Goss Road, behind the Nursery. The Easter Bunny comes earlier this year, on April 14, so as a pre-Easter celebration, the Easter Egg Hunt will be held on Saturday, April 13 at 1330 hours. This event is limited to dependents of military personnel ONLY. First, second and third prizes for each age group and one special prize for the finder of the gold egg will be given. No one will go away empty handed. The Easter Bunny has provided eggs and consolation prizes for children who do not find eggs. The bus schedule will be distributed in the housing area and Redstone Park in the near future.

## At the Service Club

By: Brenda Hanson

"Spring is 'Busting' out all over," and morale all over the post is rising with outside temperatures. It is a nice feeling to know that winter is officially over, and the heavy winter uniform can come off for the season. If you're feeling light and free in your summer uniform or civilian clothes, drop by the Service Club this week for relaxation and dancing, as dancing seems to head the schedule this week.

The EM Council will meet on Wednesday the 3rd at 1400 hours. Then at 1900 hours, the weekly Dance Class will begin. If you're interested in learning the Bosa-Nova, Fox-trot, Samba, or various other dance steps, you are missing a great opportunity. Dance classes are taught every Tuesday and Wednesday night from 7 p.m. until 9 p.m. So don't wait any longer.

April 4, a night we've all been waiting for the All-Army Entertainment Contest. The show will begin at 8:15 p.m. Winners of this show will go to Ft. Bragg, N.C., to represent Redstone Arsenal in the Third Army Contest. Entries for the contest are coming in and my prediction is that it will be a very entertaining evening for you.

Friday is the night for Game Favorites. Whatever, your favorite game may be, we have the equipment at the Service Club for your convenience. Some of the games included are Chess, Parchessi, Tactics, Monopoly, various card games and many others. Come down for an evening of relaxation and games with us.

A Pinochle Contest heads the program on Saturday night, the 6th. Brush up on the game and come by around 7 p.m. Refreshments will be served at 8 p.m.

Sunday at 9 a.m., hot coffee and donuts will be served from the kitchen. The highlighted event of the day is the dance . . . swinging out under the theme of "April Showers." The dance begins at 8 p.m.

Monday, April 8, is Game Night. The games will begin at 8:15 p.m. We have two grand prizes, a butane lighter and a Jantzen sweater. So come to the main lounge in the Service Club Monday night and play games

## MRS. JACKSON IS BRIDGE WINNER

The Bridge Group sponsored by the Redstone Arsenal Officers Wives Club played Thursday at Squirrel Hill Officers Club with five tables in the competition.

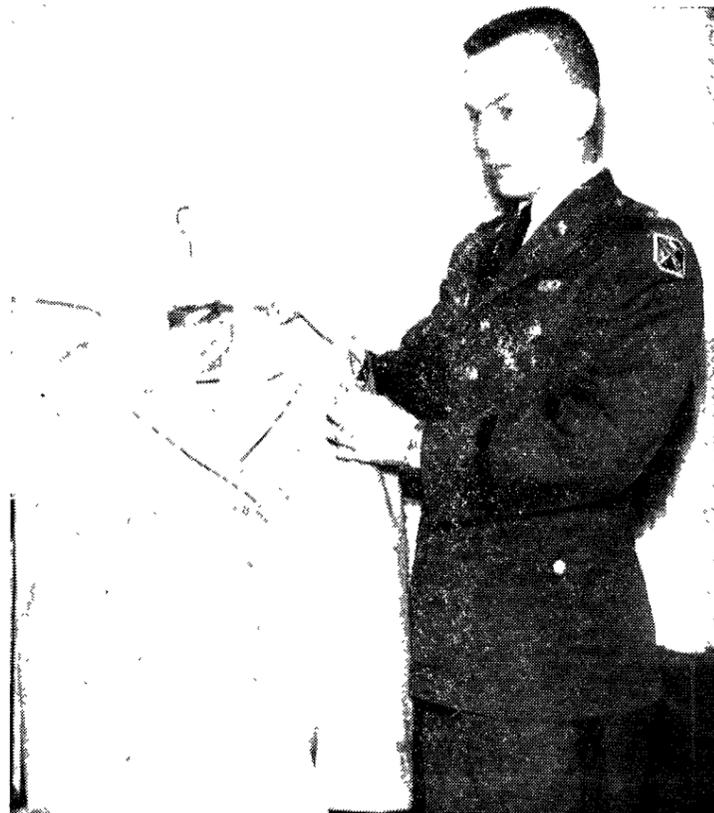
Winners were Mrs. R. R. Jackson, first; Mrs. J. D. Mullins, second; and Mrs. W. D. Burroughs, third.

Mrs. C. J. Robinson, 877-4347, is taking reservations to play with the group this month.

## TOOL ENGINEERS TO MEET

The American Society of Tool and Manufacturing Engineers will hear A. E. Harvey, Jr., at the Sahara Motel next Tuesday at 6 p.m.

A social hour, dinner and a technical session are scheduled. The Society is inviting prospective members to attend. Reservations may be made by calling 539-0781 before 3 p.m.; 536-3263 after 5 p.m.



IT WAS A WELCOME CHANGE—Whether it's hot enough for cotton or cold enough for wool, members of the U. S. Army at Redstone don their summer uniforms the first of April—a sure sign of Spring. This year the first was a bright, warm day, so cotton and tropical worsteds were comfortable. Capt. Basil Frank of the Sergeant Project Manager's Office checked over his summer uniform, just out of the moth balls last week, to prepare for the change.

## SODALITY TO MEET

The Catholic Women's Sodality will attend Mass at 9 a.m. Apr. 5. Following will be a meeting in

the Redstone Arsenal Chapel Social room.

Reservation deadline for the Rocket Nursery is Thursday, Apr. 4.

## STRIDE RITE SHOES For Children

Straight Last — Thomas Heels — Plain Shoes

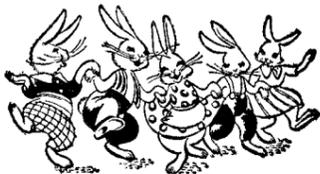
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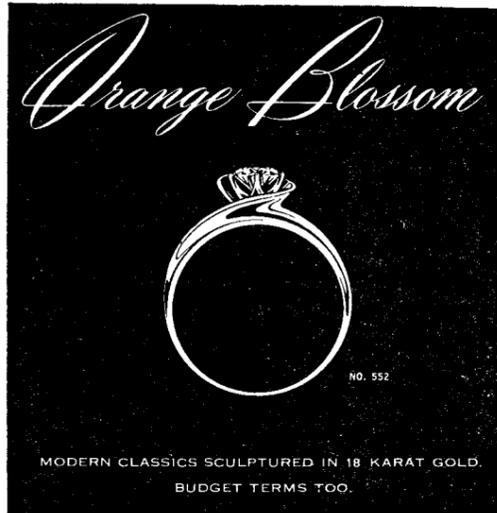
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**EASTER SUNRISE SERVICE TO BE HELD AT REDSTONE**

Sunrise services will be held at Redstone Arsenal at 6 a.m. Easter morning, Apr. 14, behind the Post Chapel.

The services are sponsored by the Huntsville Ministerial Association and the Post Chaplain at Redstone Arsenal.

The 55th Army Band will play for the services.

Dr. Alvin H. Hopson, pastor of

the First Baptist Church in Huntsville, will be the speaker.

Chaplain (Lt. Col.) Wilmer R. Bottoms is inviting the Huntsville community to participate in the service. He suggests that visitors to the Arsenal use Gate 1 on Jordan Lane as the easiest means of access to the Post Chapel which is the first building on the left after driving through the gate.

March 13, 1852—The first newspaper cartoon of "Uncle Sam" appeared in a New York comic weekly.



IT'S TIME TO START THINKING ABOUT— THE EASTER PARADE

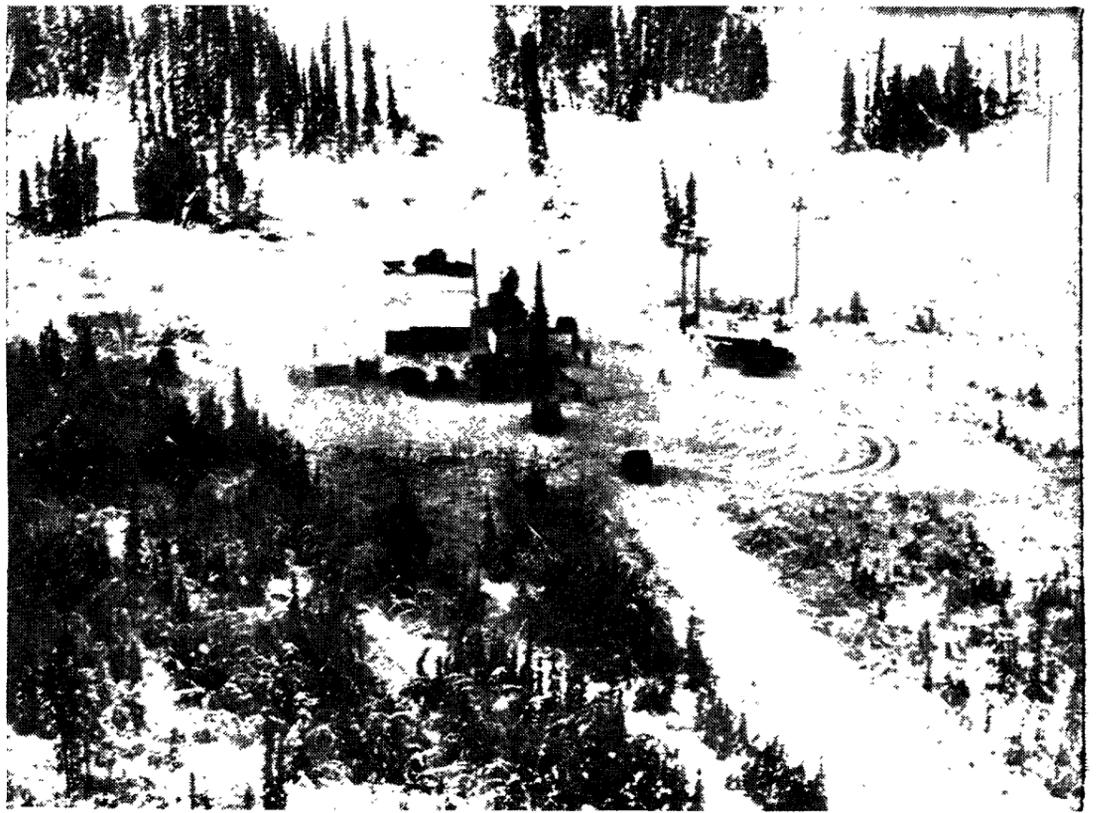


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**PERSHING IN ALASKA**—Test personnel erect Pershing during one of many simulated tactical exercises conducted at Fort Wainwright, near Fairbanks, Alaska, in weather that ranged to 55 degrees below zero. The exercises were part of a continuing environmental test program that originated in Florida. The same equipment soon will undergo tests in the tropics. The Pershing Project Office at the Army Missile Command is managing the missile system's development. Prime contractor is the Martin Company, Orlando, Fla.

**PERSHING**

(Continued From Page 1)

sile used in the Arctic tests will be on its way through Caribbean waterways to the Panama Canal Zone where it will be subjected to steamy hot weather-humidity tests.

Under the technical direction of the missile managing men at Redstone Arsenal, the Arctic test team now in Alaska is winding up their work there and looking forward to summer in the tropics.

At the Panama Canal Zone's Fort Sherman, as in Alaska, the ballistic missile system will undergo rugged tests of its ability to withstand rough weather conditions.

Ramrodding the tropic tests will be the majority of the original test team—fresh out of Alaska, where they finally got used to the perpetual snow and twilight-like days often only an hour long. In Alaska, the test team lived in military quarters at Fort Wainwright, near the city of Fairbanks.

In the Canal Zone, the team will make the same sort of home for themselves as they had in Alaska. But they look for a substantial warming trend in the weather.

Pershing underwent environmental tests at three sites at Fort

Wainwright. The tests were conducted by a 13-man military team and 44 Martin Company employees. Martin-Marietta is prime contractor for Pershing.

Equipment due for testing in the tropics will be airlifted out of the freezing Alaskan weather to Orlando, where it will receive touch-up painting, and then head for Port Canaveral for shipment by Army vessel through the Caribbean to the Panama Canal Zone.

While in Alaska, military and contractor personnel performed operational tests for Pershing. Tests included road marches, count-down, and a score of other activities designed to prove out the system.

"Arctic tests have proved Pershing will operate under very cold conditions," said Capt. Warfield Lewis, Deputy Chief of the Test and Evaluation Branch of the Pershing Project Manager Office.

"In the tropical tests, we intend to take a look at just how the system performs and withstands hot weather and high humidity conditions."

Proving out Pershing mobility in the Arctic tests, the team moved the equipment on tracked vehicles to snow covered firing sites and conducted simulated tactical count-downs.

An earlier phase of the environ-

mental testing program was conducted in 1961 at Aberdeen Proving Grounds, Md. Pershing was put through road and rail shock tests designed to simulate any terrain or handling conditions it will encounter as a tactical system.

The Army's program to test the Pershing missile system will ultimately include Arctic, tropical and desert tests.

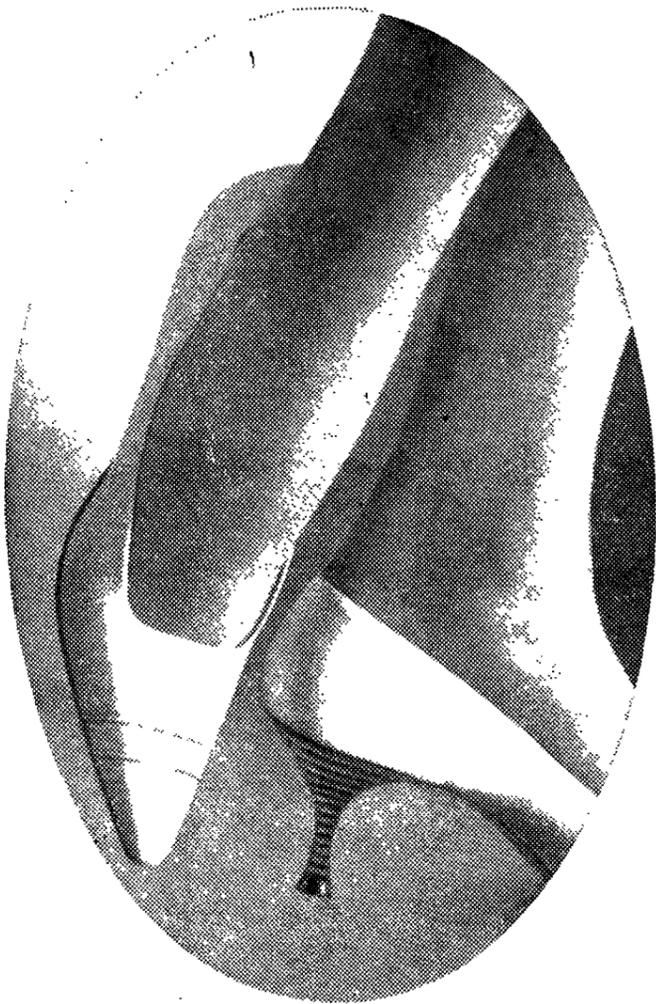
The Pershing is highly mobile, a quick reacting missile system designed as a field army support weapon. The system is to replace the Army's "Old Reliable" Redstone.

Principal components of the Pershing system undergoing environmental testing include the missile, its transportable erector-launcher; its prime mover; a primary power pack; communications equipment and fire control equipment.

The missile system can be transported overland by tracked vehicle or by air in helicopters. It is designed to operate in virtually any terrain and under any weather conditions.

Pershing is a solid propellant, two-stage, inertially guided ballistic missile of selective range.

It has been managed throughout its period of development by the Army Missile Command. Col. O. M. Hirsch is Pershing Project Manager.



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# Speaking Of Sports

By SFC AL LAMBERT

## Basketball

In the final games of the Annual United States Third Army Basketball Tournament, Ft. Gordon the host for the tournament defeated Ft. Campbell (the team that beat Redstone twice earlier in the play to eliminate them) and went into the semi-finals.

In turn, Ft. Gordon was eliminated in the next day's semi-final game by Ft. Bragg 77-73.

On Saturday the 23d last day of the tournament, Ft. Bragg met Ft. Benning for the Championship and Ft. Benning won this one 79-71.

## Softball & Baseball

Because of inclement weather the Special Services Division has not been able to complete the grounds work on the softball and baseball fields. All personnel are cautioned not to use these fields until instructions have been received from Special Services that they are available. Use of these fields at present will cause extensive damage and create more work—delaying the time they will become ready to use. Your co-operation would be appreciated by the Sports Branch. The Branch intends to start the Post Leagues play with the fields in good condition.

Softball will begin Apr. 22. It will be a ten team league playing four games on Mondays, Wednesdays and Fridays at 6 and 7:30 p.m.

Baseball starts Apr. 23. One game a night on Tuesdays and Fridays is scheduled.

## Volleyball

The Army Missile Support Command volleyball team, runner-up to Netherland group and champions of the Redstone Arsenal League, will represent Redstone in the Annual Missile Schools Third Army Volleyball Tournament at Ft. McClellan Apr 16-19 this year. The tournament will be double elimination. Team members are: SSG Robert E. Ansoff, NCOIC, Pfc Jerry M. Sluger, Team Capt. SFC W. Odell, Pfc Joel H. ...

The players from Hq & Hq Det held an impressive win loss record of 13 and 2 for league play.

## Picnicking

Special Services Division opened the Tennessee River Picnic Area Apr. 1. Except for organized parties of 50 or more, reservations will not be required. Reservations must be made by military personnel. The party must consist of at least 50 percent military.

For reservations call 876-4050, Monday thru Friday from 8 to 4:30 p.m. All reservations should be made ten days in advance. Vehicles will be parked in the parking area not in the picnic area.

The Tennessee River picnic area and the swimming pool tables will be the only ones available for a start this season. Normandy Farm is closed. Other sites will be available in the near future.

An outdoor get together can be a lot of fun. Plan one soon!

## Boating

Special Services rents boats on hand receipts at the Special Services Supply Building 3491. The rates are:

Boat, trailer and motor \$1.00 per day. Rental before noon and return after noon the following day will count two days.

Boat and trailer without motor 50 cents per day or \$1.50 per week-end (Fri.-Mon.).

Boats and trailers may be checked out by military personnel and their dependents beginning Apr. 15, from 8 a.m. to 4:30 Monday through Thursday, 8 a.m. to 6 p.m. hours Friday and 8:30-10:30 a.m. on Saturday.

## Bowling

### OFFICERS MIXED

Team	Won	Lost
Bowl Weevils	130	95
D-Yanks	129	96
Bombers	125½	99½
Pin Droppers	117	108
Redstones	109½	115½
D-Doms	102	123
Baby Splits	100	125
Hi Counts	92	133

### ARMY-AIR FORCE OFFICERS

Team	Won	Lost
King Pins	146	62
Lucky Strikes	138	70
Black Jacks	130	78
Pin Splitters	117	91
Raiders	109	99
Jupiters	92	116
AF Jupios	58	150
Hopefuls	42	166

## RSA OFFICERS

Team	Won	Lost
Slowburners	77	31
Robes	66	42
Bandits	59	49
Spoilers	53½	54½
Alley Cats	35½	72½
Medico No. 5	33	75

## TROOP COMMAND EM

Team	Won	Lost
Raiders	68	28
Ohms	60½	35½
S & E's	58	38
Rats	55	41
Curvals	49	46
Jockeys	47½	48½

## OGMS OFFICERS

Team	Won	Lost
Researchers	57	35
ADM	55	37
Bohunks	49	43
OTD	47½	44½
UTC Tipplers	38	54
Commoners	29½	62½

## SATURN BOOSTER BOWLING LEAGUE A-DIVISION

Team	Won	Lost
Brown Engineering Co.	70½	41½
Martin Co.	64	48
Norris Riddle Furn.	62½	49½
Arrowhead Products	58	54
Hilding-Holmberg	56	56
Redstone Mach. & Tool	55½	56½
Tenn. Valley Oxygen	55	57
Republic	46½	65½
Huntsville Trailer Ct.	46	66
Pushovers	46	66
200 Games: Diamond	—	230:
Vickers	—	217; McKenzie — 203;
Baldwin	—	251; Smith — 202;
Cizek	—	215; Kaminsky — 205.

## B-DIVISION

Team	Won	Lost
Lockheed	68	44
Redstone Fed.	—	—
Credit Union	65½	46½
Murphree Mort. Co.	64½	47½
Tri-Lanes	62	50
Modern Mach.	56	56
Hayes Top Seven	56	56
C. W. Stewart Mach.	53½	58½
Progressive Welder	52	60
Hayes Designers	45	67
Hayes Ex-Cons	34½	77½

## DOG FIGHT WINNERS

The Golf Group, sponsored by the Redstone Arsenal Officers Wives Club, played dogfight competition Wednesday on the Arsenal Golf Course.

Winning team included Mrs. D. F. Shepherd, Mrs. W. J. Nelson, Mrs. James Mullins and Mrs. V. J. Laver.

# Teams To Play At School

Georgia Tech, Auburn and the Air University will send soccer teams here this weekend to play a series of European football matches against teams of German Air Force and Belgian Army students at the U. S. Army Ordnance Guided Missile School on Saturday, Apr. 6.

A round-robin elimination will involve five games, with the winner taking the first Georgia-Alabama soccer championship.

Auburn, led by playing Coach Frederick Taube, will start the tournament at 10 o'clock Saturday morning with a match against the Air University. The visitors are students in the Squadron Officers School at Montgomery.

Georgia Tech will oppose the German Alpha team in the second match at 11 o'clock. Tech's captain is Richard Greiner, engineer-

ing student who was born in Germany. Leader of the German Alpha group is Lt. Heinz Rahms.

At noon the Belgian Army team, led by Lt. Emiel Weckx, will meet the German Air Force Beta squad headed by Sgt. Helmut Meyer.

In the afternoon the winners of the morning games will continue play, with one team drawing a bye. The semi-final will begin at 2:15, and the final at 3:15 p.m.

The general public is invited to attend the matches which will be played at the soccer area in the Linton Field sports center on Patton Road at Gray Road. Visitors are asked to enter the Arsenal by Gate One.

The visiting players will be guests of the German and Belgian groups at a picnic Saturday evening in the Normandy Farm recreation area.



**THERE'LL BE GOOD FISHING ON REDSTONE ARSENAL NEXT YEAR**—These little fellows, part of a consignment of 1,750 channel cat fingerlings, will weigh about one and one-half pounds in the summer of 1964. Post Engineer employee Woodrow ("Catfish") Haggard releases the fish in the quarry pond off Neal Road on the arsenal. The fish are furnished by the National Fish Hatchery, Carbon Hill, Ala. Sgt. Buford Harrison, Post Game Warden at the Army Missile Command, and Post Engineer Land Management personnel make the arrangements for stocking arsenal ponds annually. This is the second time cat fish have been released in the ponds which have also been stocked with bass and blue gill. Stocking the ponds has been part of an active arsenal conservation program for three years.

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F262A-1958 STUDEBAKER Station Wagon	\$495
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63-63A-1960 OLDSMOBILE 98 4 door Hardtop	\$1895
63-65A-1959 CHEVROLET IMPALA 4 door	\$1295
63-28A-1959 OLDSMOBILE 88 4 door with air conditioning	\$1495
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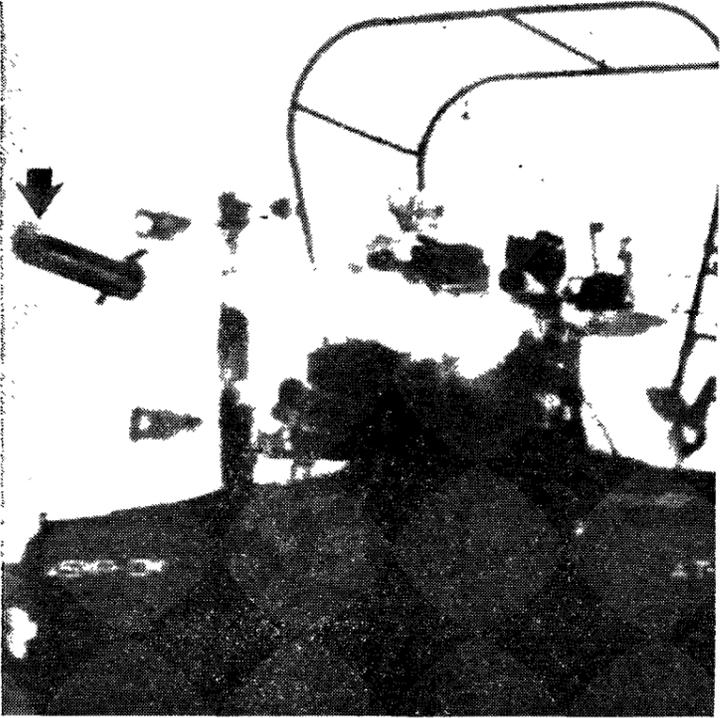
# SHILLELAGH UNVEILED

First action photos of the Shillelagh—a new lethal weapon system now in development—were released recently by the U. S. Army and the Ford Motor Company.

Ford's Aeronutronic Division at Newport Beach, Calif., is prime contractor for Shillelagh, a surface-to-surface tank-mounted weapon system.

The Army Missile Command at Redstone Arsenal is responsible for development of the missile system which has recently undergone a series of successful tests at White Sands Missile Range, N. M. The Shillelagh has also been successfully test fired in Arctic temperatures in Alaska.

A direct fire guided missile launched from a combination gun-



**SHILLELAGH**—The U. S. Army and the Ford Motor Company recently released this first action photo of the Army's new Shillelagh guided missile now in development. Shown being fired from a tank turret, Shillelagh is a surface to surface, tank-mounted weapon system launched from a combination gun-launcher. Ford's Aeronutronic Division at Newport Beach, Calif., is the prime contractor. The Army Missile Command has responsibility for the missile system development effort.

## Arsenal Lecturers Talk To University Science Students

Students at the University of Alabama's School of Chemistry are receiving first-hand information about new developments in propellant technology from Army Missile Command scientists and technicians who make discoveries daily that may not show up in text books for months or even years.

A series of four lectures is scheduled to be given to advanced undergraduates, graduates and faculty of the University's School of Chemistry by personnel of the Propulsion Laboratory of the Missile Command's Directorate of Research and Development.

The first lecture, entitled X-Ray Fluorescence Applications, was given by B. J. Alley, Group Leader, Analytical Chemistry Group, last Tuesday.

The second in the series of four

launcher, Shillelagh will provide high accuracy against moving or stationary targets. Firing tests have used both stationary and moving targets under a number of differing environmental conditions.

The U. S. Army Mobility Command, Detroit, Mich., has responsibility for the vehicle development.

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lectures is scheduled to be given by Niles C. White, Chief of the Chemistry Branch, on Apr. 18. White's lecture is entitled Chemical Propulsion.

Dr. David C. Sayles who is Deputy Chief of Propulsion Systems Engineering Branch is scheduled to deliver a lecture on Chemical Notation and Logography at a School of Chemistry Seminar on Apr. 25.

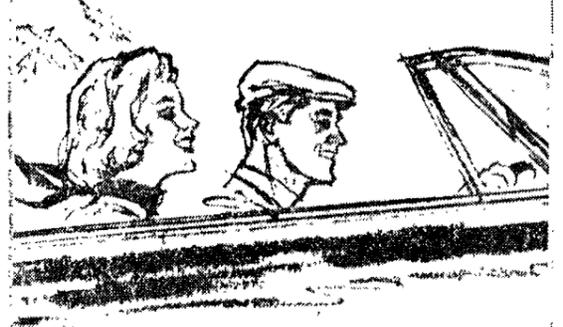
The final lecture of the series, entitled Modern Research in Propellant Chemistry, will be given

by Chester W. Huskins on May 2.

Arrangements for the lectures were made by Arthur F. Findeis, Assistant Professor of Chemistry of the University of Alabama at Tuscaloosa.

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\*\*\*\*\*  
 WEDNESDAY, April 3  
 "The Honeymoon Machine" (F)  
 THURSDAY-FRIDAY, April 4-5  
 "Love is a Ball" (M)  
 SATURDAY, April 6  
 "The Man Who Knew Too Much" (F)  
 SUNDAY-MONDAY, April 7-8  
 "Come Fly With Me" (M-YP)  
 TUESDAY, April 9  
 "Rififi in Tokyo" (M)  
 Two shows nightly at 6 and 8:30 p.m., Saturday matinee at 1

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Perseverance and a wealth of job knowledge has paid off handsomely for a Supply Commodity Management Officer in the Army Missile Command and saved the government thousands of dollars. Janice Roland was presented a \$200 award by A. A. Stewart, Deputy Director of Supply and Maintenance, in recognition of a job well done.  
 In June of 1961 Col. R. W. Van Wert, Director of Supply and Maintenance, directed the establishment of a task force to mqnishor all phases of supply and main-  
 p.m., and Sunday matinee at 2 p.m.  
 (Continued on Next Page)

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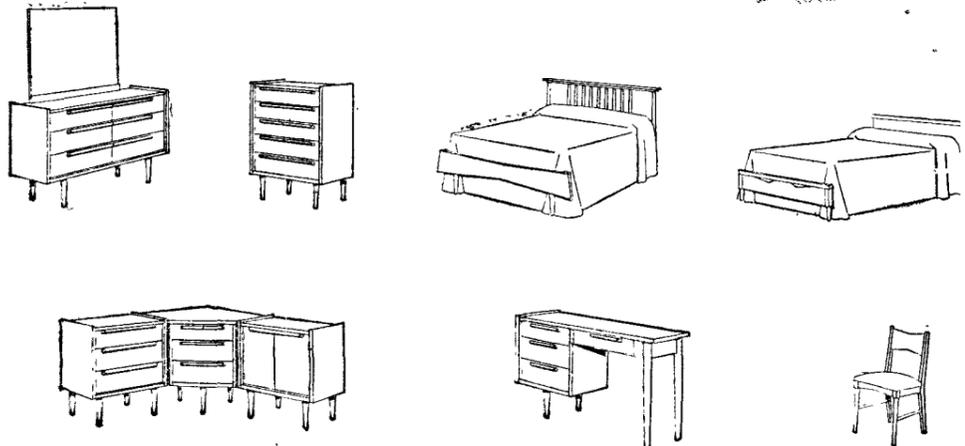
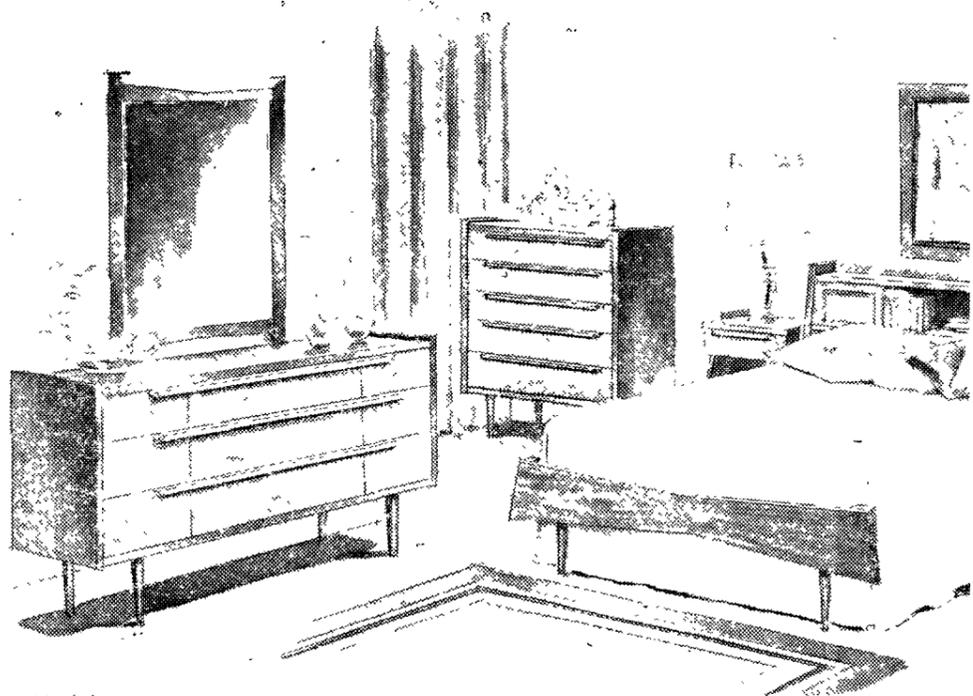
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### SUPPLY

(Continued From Preceding Page)

tenance on chassis items critical to the Hawk missile system. These items were in a critical worldwide supply posture and represented a major investment for repair parts support.

Mrs. Roland was selected for this task force in the capacity of commodity manager for the items. Her duties encompassed all phases of supply from the computation of requirements to the issue of

the material to field organizations.

A veteran supply officer, Mrs. Roland initiated her special assignment by performing a study to pin point the problem areas and to determine the best measures for correcting them.

Her study revealed several areas that changes could be made in requisitioning and procuring items for equipment undergoing repetitive design changes. In accordance with her suggestions, the recommendations were implemented saving the government

thousands of dollars.

Through the diligent efforts of Mrs. Roland, a one-time problem area has been turned into an effective and successful operation in which a considerable savings will continue to be realized by the government.

Mrs. Roland has been employed in the Supply Management Division since coming to work at the Arsenal in February, 1958. Prior to this she had been employed as a Supply Management officer at the Gadsden Air Force Depot.

She is a resident of Albertville, Ala.

## Little Theatre Will Perform Private Lives

The Huntsville Little Theatre will close its current season this weekend with two performances of Noel Coward's British comedy, "Private Lives." Curtain time will be 8:15 p.m. on Friday and Sat-

urday, Apr. 5 and 6, at the Huntsville High School Auditorium.

"Private Lives" is a sophisticated adult comedy. It is the second British comedy produced by HLT in its 13 seasons. The first was another Noel Coward success several years ago, "Blithe Spirit."

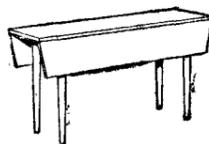
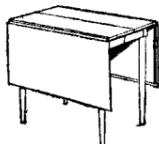
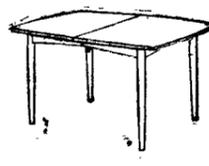
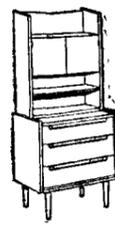
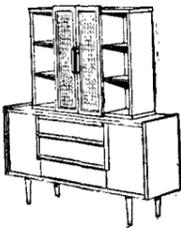
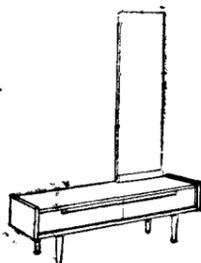
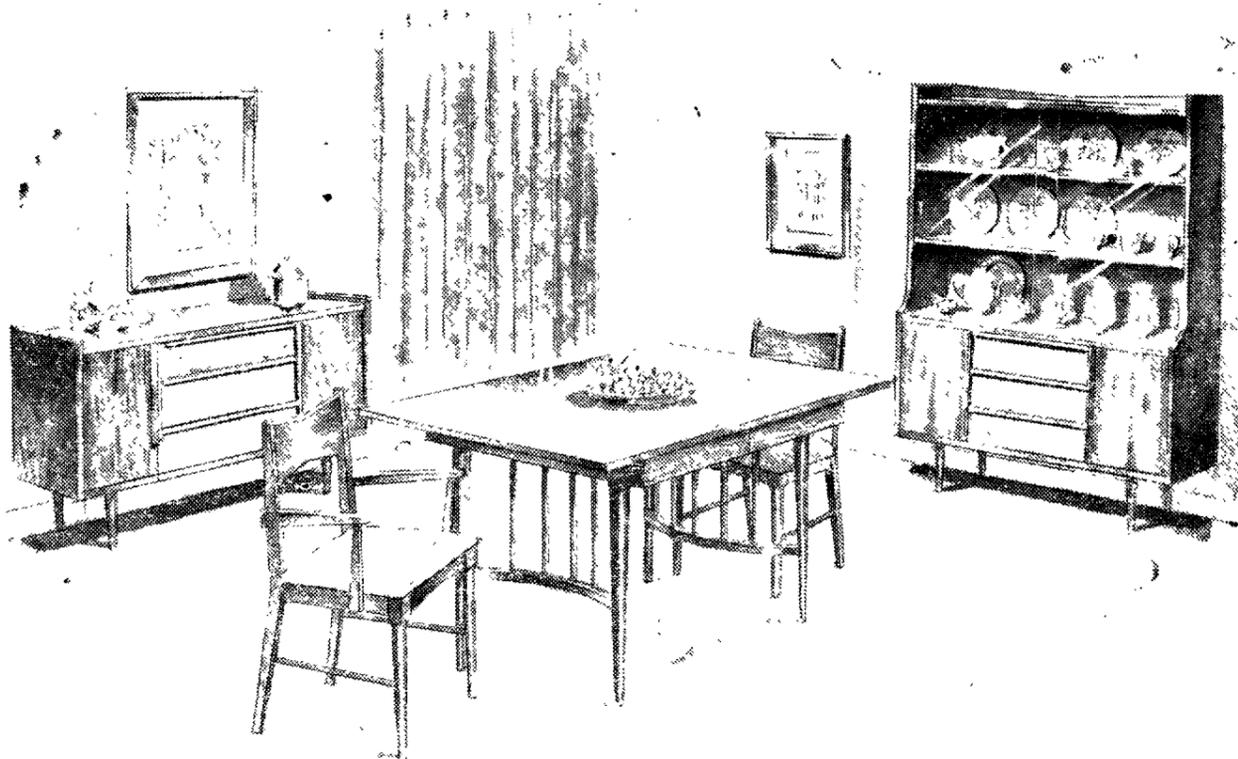
Tickets will be available at the boxoffice prior to the performances. Reduced prices will be made available for enlisted men and their families and students through high school.



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# Col. Burkett Transfers To Rock Island

Col. Raymond W. Burkett, who has headed the Army Missile Command Research and Development Directorate since late in 1961, is transferred to the Army Weapons Command at Rock Island, Ill.

He will be Director of Research and Development there.

His replacement at the Missile Command has not been named.

The colonel came to Redstone Arsenal, in September, 1959, from duty in Korea. Other previous assignments include Washington, D. C.; Albuquerque, N. M.; Killen, Texas; the Army War College, Carlisle Barracks, Pa.; Germany; and Eglin Air Force Base, Fla.

Col. Burkett is a graduate of Georgia Tech where he received a bachelor of science degree in electrical engineering.

Col. and Mrs. Burkett have two daughters, Le Gay and Mrs. Nicholas R. Hurst.



**BRAZILIAN STAFF VISITS**—Top members of the Brazilian military staff viewed the console of a static test facility during a visit to the Army Missile Command last week. In the foreground are Rear Adm. Antonio Junquera Giovannini, deputy chief of staff, Brazilian Navy; Gen. Oswald de Araujo Motta, chief of the Brazilian Forces General Staff; and Bill Lloyd, director of the Test and Evaluation Laboratory of the Command's Research and Development Directorate. The console controls instrumentation in static test firings of missiles.



COL. R. W. BURKETT

## Materiel Command's Information Officer Promoted To Colonel

The U. S. Army Materiel Command's Information Officer, Robert J. Coakley, has been promoted to colonel, Lt. Gen. Frank S. Bes-

son, Jr., Commanding General announced.

Col. Coakley, was editor of the Army Information Digest before his assignment with AMC.

He is a 1941 graduate from the U. S. Military Academy and served with the 16th Cavalry Reconnaissance Squadron in Europe during

World War II. He also served in Korea with the 7th Division Tank Battalion. His degree in journalism was earned at the University of Missouri.

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FIRST SGT. AND MRS KRAMER AND SON PHILLIP at promotion ceremony conducted by Col. W. F. Register.

## Two Sergeants Promoted

Two first sergeants were promoted to E-8 at the March meeting of the promotion board.

They are First Sgt. Francis H Gurecki of the Headquarters and Headquarters Detachment, U. S. Army Missile Command, and First Sgt. Henry P. Kramer of the 291st Military Police Company.

First Sgt. Gurecki came to the Missile Command from an assignment in Formosa.

A native of Georgia, his daughter Mrs. Paul Crossland lives at Columbia. His three grandchildren are boys.

The sergeant is a veteran of World War II. In addition to his assignment in the Far East he has been assigned in Europe.

For relaxation, he competes in pistol matches. He and his wife live at 4114 Governors Drive in Huntsville.

First Sgt. Kramer is from Belleville, Ill. He came to the Missile Command in 1955 as a member of

the security guard for the Army Ballistic Missile Agency. When the guard was disbanded he sat in a number of chairs before he became first sergeant including operations sergeant and desk sergeant.

His sisters and brothers, Mrs. Nathan Counsell, Mrs. Margaret Lane and Eugene Kramer live in East St. Louis, Ill.

Both First Sgt. Gurecki and First Sgt. Kramer have more than 19 years of service. Kramer has also had an overseas tour in the Far East.

The Kramers, with son Phillip who starts kindergarten in the Fall, live at 1165 Benet Circle, Redstone Arsenal. The sergeant is waiting for Phillip to develop into a fishing partner.

## Professional Engineers Get Informal Recognition

Informal recognition has been accorded the Northeast Alabama Chapter of the Alabama Society of Professional Engineers by the Army Ordnance Missile Command. Brig. Gen. H. P. Persons, Jr., Commanding General announced.

This was accomplished in keeping with the Presidential Executive Order to allow them "to the extent consistent with the efficient and orderly conduct of business to be permitted to present to appropriate officials their views on matters of concern to them."

Approximately 62 professional engineers in the Missile Command are members of the Society.



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# The Judge Advocate Advises



## HIGHWAY INTOXICATION

In 1945 Alabama enacted the following statute: "It shall be unlawful for any person who is intoxicated by or under the influence of liquor or narcotic drugs to appear, travel upon, or be along the public roads and highways of this state.

Any person violating this section shall be guilty of a misdemeanor, and upon conviction, shall be punished by imprisonment for not more than 30 days, or by fine of not more than \$10.00 or by both such fine and imprisonment . . ."

The offense defined by this statute is commonly referred to as "highway intoxication." Three important things must be remembered about "highway intoxication."

### Not Drunk

First, one may be guilty of the offense without having been drunk. The term "under the influence" may mean only that a person has had one drink.

To prove that a person is "under the influence," it is not necessary to show that he staggers, has difficulty speaking, can't walk a straight line, or that he has any particular concentration of alcohol in his blood.

It is sufficient to show that he has had at least one drink since any amount of alcohol can be said to have some influence on bodily processes.

### NOT DRIVING

Second, the offense has nothing whatever to do with motor vehicles. All that is necessary is that the person "appear, travel, or be along" a public road or highway. "Public roads and highways" includes all streets, roads, and sidewalks.

Third, although the statute sets a maximum fine of \$10.00, an arrest for this offense will cost much more than \$10.00. At the outset there is bond to be posted to avoid confinement in jail pending trial. Normally, bond in the amount of \$100.00 is required. The bondsman's fee on a \$100.00 bond is \$10.00.

In addition to the bond and the fine, court costs will be charged upon a finding of guilty. There is no real limit on the amount of court costs which may be charged.

Although \$12.50 and \$17.50 are common court costs, a recent case at Scottsboro, Ala., resulted in a soldier's paying a fine of \$25.00 and court costs of \$68.00.

### Increase In Arrests

An increase in the number of soldiers being arrested in Huntsville for "highway intoxication" has been noted. Here is an example of a typical case.

A soldier walks out of a local tavern after having a couple of bottles of beer. He proceeds a half block toward his automobile when he is arrested. He is taken to jail and informed that his trial will be held three days later and that bond will be \$100.00. Being unable to raise bond himself, he pays a local bondsman \$10.00 and is released.

On the day set for trial he ap-

pears before the judge, pleads guilty, and pays a fine of \$10.00 and court costs of \$17.50.

Perhaps instead of pleading guilty, the soldier pleads not guilty. He testifies that he wasn't drunk, that he only had two bot-

tles of beer.

The arresting officers testify that they found him outside a tavern and smelled alcohol on his breath. Finding - Guilty. Fine - \$10.00, Court Costs \$17.50 or more.

The Judge Advocate Advises: There are only two ways to avoid arrest and conviction for highway intoxication. The safest way is to stay out of all local bars and taverns. The other is to avoid those taverns near which arrests for this offense are frequent. That is, if you hear of a number of arrests near a particular establishment, go somewhere else to drink.

## Awards and Decorations

The Army has awarded Commendation Medals to the following.

Lt. Col. Theresa S. LaPlante, Chief of the Nursing Service at the U. S. Army Hospital;

Lt. Col. David J. Walsh, Jr., in the Directorate of Procurement and Production;

Maj. J. P. Dobbins, Directorate of Research and Development;

Maj. Paul W. Simpson, first Oak Leaf Cluster for work in Field

Support Operations of the Army Ballistic Missile Agency. He is now at the University of Omaha;

Capt. Ralph J. Cook, Jr., special assistant in the Sergeant Project Office, also a student at present;

Capt. Richard C. Anglin, Aviator and Maintenance Officer, Post Transportation Division;

M/Sgt. Johnnie H. Lowe, U. S. Army Hospital, Administrative Service.

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**ARSENAL SOLDIER HONORED**—Redstone Arsenal's top soldier for the month, SP4 Francis D. Griffith, Jr., (left) receives letters of introduction from Jimmy Thornton, President of the Huntsville-Madison County Chamber of Commerce. Through arrangements by the Chamber, SP Griffith and his wife, Francis, right, will be feted and entertained by the American Legion Post No. 37, Russel Erskine Hotel, Huntsville Jaycees, and Lyric Theater. Looking on are, left to right, Ray Nash, Manager of the Russel Erskine, and Jimmy Walker, Chamber of Commerce Executive Vice President. SP Griffith, an instructor in the Lacrosse Section of the Ordnance Guided Missile School, holds a BA degree in Chemistry from the University of Virginia. He and Mrs. Griffith have a one-month old daughter, Theresa. They reside at 502 Randolph.

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**Births at Post Hospital**

Roger Eugene Craig, 6 lbs., 15 ozs., Mar. 21, son of Sp4 and Mrs. Avery E. Craig.

Deborah Marie Johnson, 7 lbs., 10¼ ozs., Mar. 21, daughter of Sp5 and Mrs. Jesse R. Johnson.

Peggy Wanda Smith, 7 lbs., 1 oz., Mar. 23, daughter of SSgt. and Mrs. Junior L. Smith.

Lisa Diane Lubrano, 6 lbs., 5 ozs., Mar. 23, daughter of Sp4 and Mrs. Camillo J. Lubrano.

Jacqueline Yvonne Antoinette Davjeard, 7 lbs., 8 ozs., Mar. 24, daughter of 1/Lt. and Mrs. Jean A. Davjeard.

Vincent Del Greco Kelley, 7 lbs., 9 ozs., Mar. 25, son of Pfc and Mrs. George G. Kelley.

David Escar Taylor, 8 lbs., 3 ozs., Mar. 25, son of Sfc. and Mrs. Nolen E. Taylor.

Sheryl Elaine Wood, 5 lbs., 8¾ ozs., Mar. 25, daughter of SA and Mrs. Johnny E. Wood.

Cynthia Sue West, 8 lbs., 12 ozs., Mar. 26, daughter of 1/Lt. and Mrs. Jerry W. West.

Holgar Hans-Wilhelm Treutler, 9 lbs., Mar. 26, son of SSgt. and Mrs. Willi G. Treutler.



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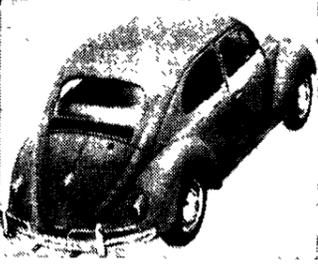
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## 4. Mobile Homes

**FOR SALE**—Travel Trailer, 15', sleeps five, 3 burner stove with oven, refrigerator, ice box, water storage tank, gas light, excellent condition. \$595.00. Phone 534-4625. tfc

## 5. Houses, Lots - Sale

**FOR SALE**—2 bedroom, furnished house, air conditioned, electric heat, situated on 2-acre lot with plenty of pine trees, on Anderson Creek, near Elk River. Financing can be arranged by owner. Phone 534-5930. 4-3c

**FOR SALE OR RENT**—Modern 3 bedroom home with one acre of land 5 miles south of Florence on Highway 67, CLYDE CRAWFORD. Phone 586-3342. tfc

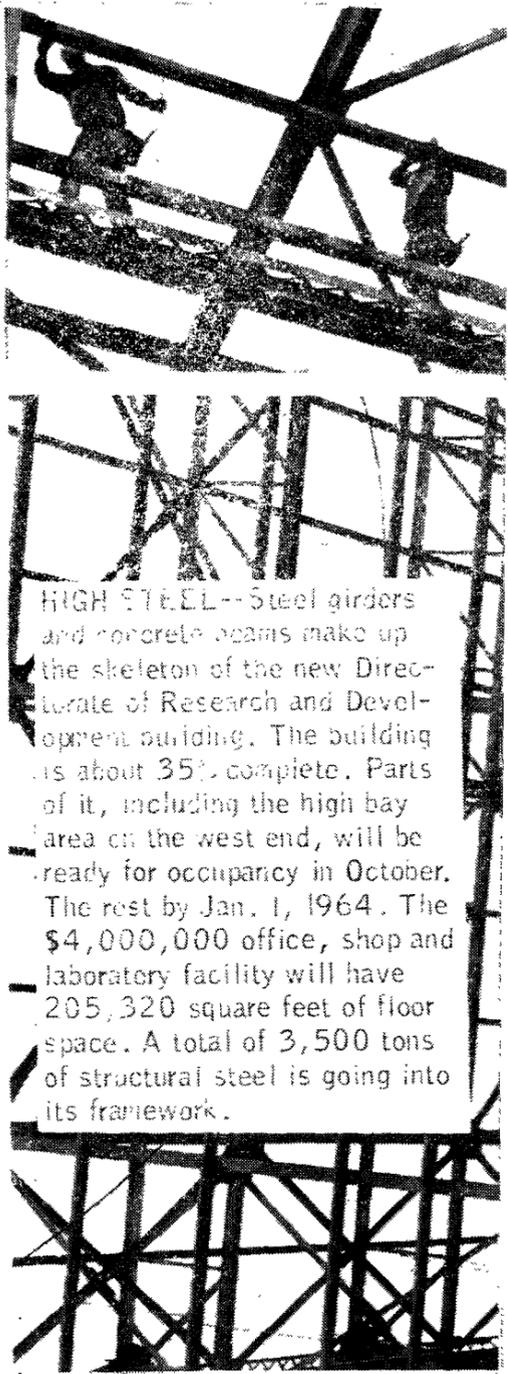
**FOR SALE BY OWNER**—Two spacious family homes in Decatur, walk to public and parochial schools. At 651 Sherman St., four bedrooms, three baths, gas furnace, radiator heat, carpeted. At 633 Jackson St., four bedrooms, three baths, central air conditioning, new gas furnace, radiator heat. Phone 355-0405. Decatur, Ala. tfc

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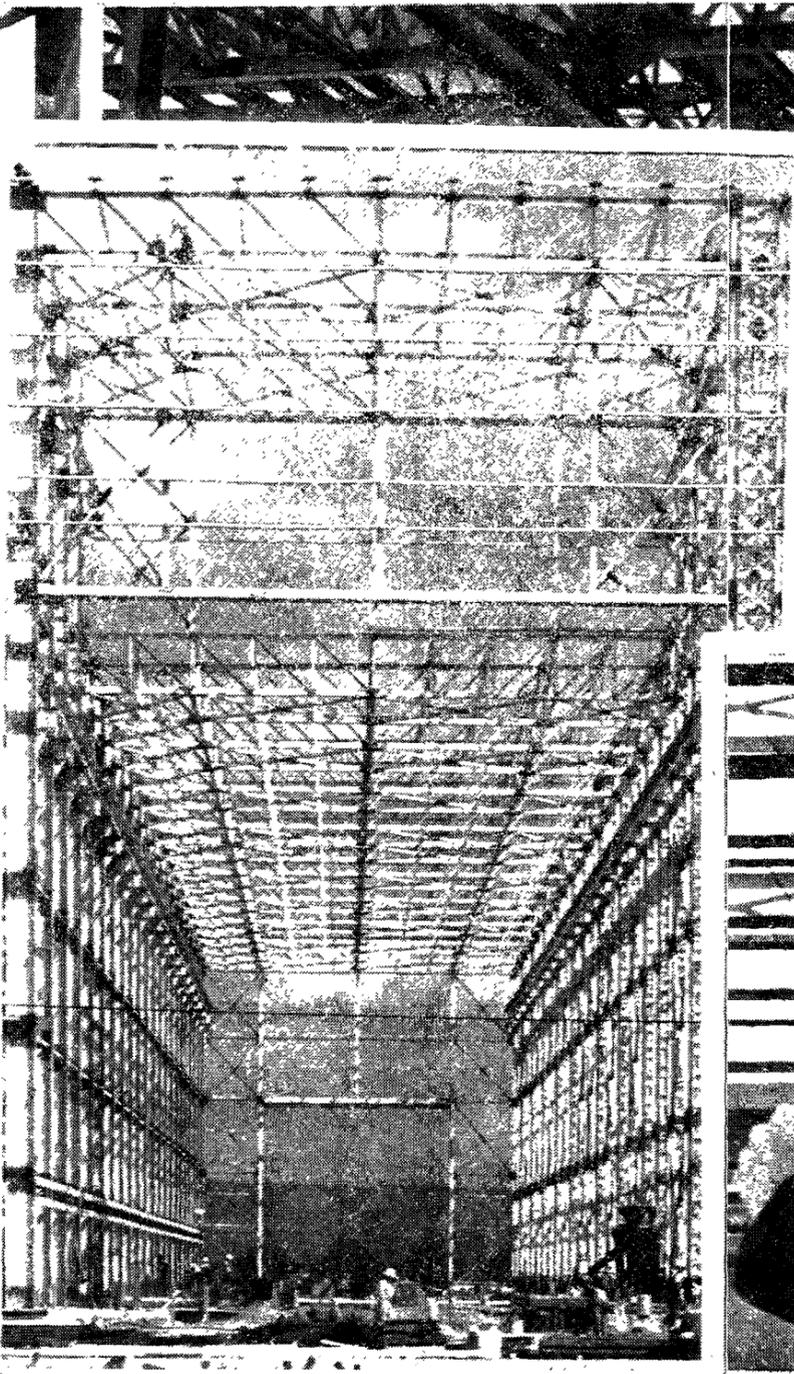
**103 GUNTERSVILLE LAKE FRONT** — Beach Creek, wooded lots, access to water, \$500.00 and up. Waterfront lots \$1,000. and up. TY DORMAN, Guntersville, 582-3651 or Huntsville 876-3297. tfc

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**HIGH STEEL**--Steel girders and concrete beams make up the skeleton of the new Directorate of Research and Development building. The building is about 35% complete. Parts of it, including the high bay area on the west end, will be ready for occupancy in October. The rest by Jan. 1, 1964. The \$4,000,000 office, shop and laboratory facility will have 205,320 square feet of floor space. A total of 3,500 tons of structural steel is going into its framework.



**SOON!**--Wallace Kirkpatrick of the Advanced Research Projects Agency looks over R&D's new home.



## Ordnance Association Offers Reduced Rates

Effective April 1, the American Ordnance Association is offering a special membership rate for Government Service personnel. The 20% reduction from regular membership is available to military personnel on active duty and to civilians employed by the U. S. Government. These reduced dues, which cover all membership benefits, are \$4.00 for one year

or \$10.00 for three years.

Industry-Science membership continues to grow. The Association's job of increasing weapons technology and education as well as the maintenance of a dynamic Industry-Science-Defense relationship requires a hard-hitting well-balanced team.

The greatest benefit to individual members is the opportunity to

increase their professional capability. They can meet and discuss armament progress and readiness with members of the Industry-Science-Defense Team. Members receive Ordnance—the world's only publication on armament and industrial preparedness; and Common Defense—a monthly newsletter on armament progress of our Army-Navy and Air Force.

For forty-five years our nation's best talents, as members of A.O.A. have keyed their activities to the country's armament needs. The Association has brought together widespread knowledge and skills of weaponry. It has become a prime source of brainpower and technical help in weapons development and production.

Members of the A.O.A. have opportunities to contribute their efforts where they will do the most good and at the same time receive benefits from the contributions of other members. There are 57 Posts and Chapters; also 85 Technical Divisions, Sections and Committees which meet regularly to discuss and work on

problems related to national defense.

Membership application forms have been placed on bulletin boards at strategic locations throughout Redstone Arsenal. Also, forms may be obtained by contacting any active member of the local Tennessee Valley Post, A.O.A.

A new Federal Executive Board has been established in Los Angeles and another is being established in Kansas City. This will bring the national total to 12 Federal Executive Boards were formed to increase efficiency and economy in Government at the field level where 90 percent of Federal employees are assigned.

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As our solution to this problem, we are offering a special "night service". Beginning March 1, 1963, our Service Department will be open from 7:00 A.M. until 10 P.M., Monday thru Friday. Night service will be done on appointment basis only.

Should this be convenient to you, we would appreciate your cooperation in making your appointment before 5:00 P.M. to service that night. It is our desire to give you the very finest service available anywhere, and we can assure you the same high standard will be maintained both night and day.

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## Gen. Watson Visits Missile School; Talks To Army Association Members

The Seventh Army in Europe and the Berlin staff of the U. S. State Department were given high praise here last Thursday, Mar. 28, by Lt. Gen. Albert Watson II, new commanding general of the Third Army who until recently served as commandant of the Army's Berlin sector.

Gen. Watson said the Seventh Army is the largest and most completely equipped fighting force that the United States has ever maintained overseas in peacetime. Its conduct through recurring periods of tension has been "superb," he said.

State Department representatives in Berlin were specially commended by the General for "their refusal to panic" and their calm and sensible day-to-day handling of harassments planned by the Communists.

Gen. Watson, accompanied by his aide-de-camp Maj. P. P. Walpole, flew here Thursday afternoon from his Atlanta headquarters to make his first official inspection of the Ordnance Guided Missile School, an element of his command.

Brig. Gen. Howard P. Persons, commanding general of the Army Missile Command, and Col. William J. Macpherson, OGMS commandant, officially welcomed Gen. Watson to Redstone Arsenal in an honors ceremony. The honor guard from the 291st Military Police Company was led by Lt. Patrick L. Barney, with the 55th Army Band directed by CWO DeWitt H. Mytunger.

Following briefings at OGMS headquarters and tours of the Hawk and Pershing training branches, Gen. Watson was guest of honor at a dinner given by Officers of the Tennessee Valley Chapter of the Association of the U. S. Army at the Huntsville Country Club.

Later in the evening, Gen. Watson addressed some 300 AUSA members at the Huntsville Utilities auditorium.

In his talk, Gen. Watson described life in beleaguered Berlin.

He said the Seventh Army consists of five divisions, to which five German divisions can be added in an emergency. However, he pointed out, the Communists maintain 25 divisions in the Berlin area.

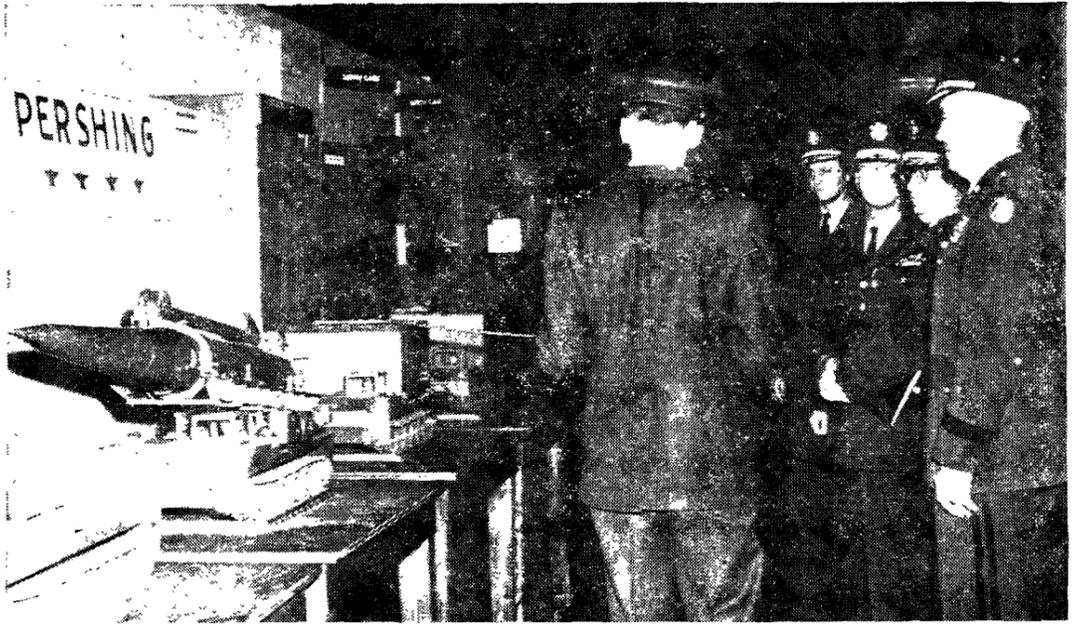
"Our soldiers there don't stop to consider the odds of strength," he said. "They concentrate on doing a superb job with what they have, and their morale is always high."

Gen. Watson said "there is no such thing as the Berlin crisis. The crisis is in Moscow and depends on internal Communist poli-

tics." The Cuban crisis of last fall caused only a brief flurry of excitement in Berlin, he said, although many observers expected the Communists to retaliate for Cuba against the Western forces in Berlin. There were some withdrawals of funds from banks and some buying of extra foodstuffs, he said, but bank deposits are now as high as they were before Cuba and food buying has returned to normal.

Joseph C. Moquin, president of the local AUSA chapter, presided at the dinner and meeting. Gen. Watson was introduced to the membership by A. A. Demetriou, AUSA director.

At the meeting it was announced that Joseph Wiggins, also a director, had been elected president of the AUSA's Third Region at a conference in Atlanta last week.

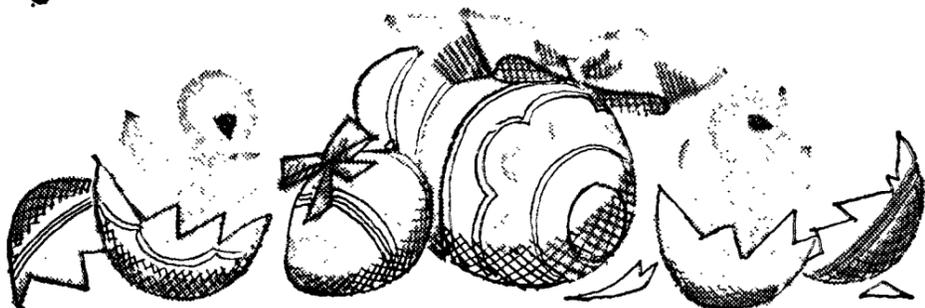


**THREE-STAR COMMANDER MEETS FOUR-STAR MISSILE** — Lt. General Albert Watson II (right), commanding general, Third U. S. Army, Fort McPherson, Georgia is briefed on the Pershing missile system during his tour of OGMS last week. 1/Lt. David W. Metcalf (back to camera), chief of the Pershing Section conducted the briefing, others in the picture include Maj. John R. Harris, chief of the Ballistic Missile Branch, FAM Division, Lt. Col. Ray H. Lee, chief of the FAM Division, and Col. William J. Macpherson, commandant at the Missile School.



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## Swanson To Talk To Electronics Engineers Apr. 10

Conrad D. Swanson, former Army Missile Command employee, will address the Institute of Electrical and Electronic Engineers Apr. 10 at a dinner meeting.

Swanson's talk will cover "Astronomical Significance of Radio and Radar." The Engineers will meet at the Squirrel Hill Officers Club at 7 p.m.

A pioneer in American rocketry, Swanson is now employed in the Propulsion and Vehicle Engineering Division at the Marshall Space Flight Center.

### ANSWER TO WHERE ARE YOU

The lane is located in front of Bldg. T3152 which houses the Army Missile Support Command's Division of Intelligence and Security. It is located near the old post chapel and just south of Personnel Headquarters.

**ACT OF HONOR** a 28-minute 16mm color motion picture film which traces the Federal civil service from 1383 to the present. It has been produced by the Civil Service Commission and is available for showing.

Prints may be borrowed from offices of the Civil Service Commission.