

The Redstone Rocket

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REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

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**Arsenal-Wide
Spot News
Dial 112**

Traffic Laws Have Teeth

Traffic Violations Can Ground Careless Drivers

REDSTONE ARSENAL, Ala. Actions which can cause points to be compiled on a driver's record include:

If the driver has been convicted of a traffic violation, has forfeited bail in a civilian court in lieu of hearing or trial for traffic violation;

Has received non-judicial punishment pursuant to Article 15, UCMJ, for moving violation, and has willfully and knowingly failed to comply with installation registration requirements.

Driving violations, and the number of points which may be recorded against the motorists are:

- Driving under the influence of intoxicating liquor—12;
- Owner knowingly and willfully permitting another under the influence of intoxicating liquor to operate his vehicle—12;
- Manslaughter, negligent homicide, or assault by automobile—12;
- Intentionally leaving the scene of an accident involving death or personal injury without rendering aid or information—12;
- Using an automobile to commit a felony—12;
- Operating a vehicle after suspension or revocation of the operator's permit or installation driving privilege—12;
- Reckless driving—5 (two convictions in any 12-month period will automatically result in the suspension of installation driving privilege for 6 months;)
- Intentionally leaving the scene of an accident involving damage to property of another without making identity known—6;
- Speeding, up to 10 mph over posted speed—2; 11-20 mph over posted speed—4; grossly excessive speed, 20 mph over posted speed limit—6;
- Failure to obey traffic signs or signals or instructions of traffic officer—3;
- Failure to report being involved in an accident when required by regulation or law—2;
- Knowingly operating an unsafe vehicle—3;
- Other moving violations—2;
- Failure to comply with installation registration requirement—1.



It's That Week Again

In recognition of National Secretary's Week Redstone Arsenal secretaries today released photos of their latest weapon, the Ballistic Abrasion Torpedo. Described as a hand-held weapon, the BAT is the ultimate in simplicity. The weapon can be launched in a number of ways, the preferred being from a stance resembling that assumed by a javelin thrower. Completely silent in use except for a slight whistle, it was designed for short range operation where the combatant (shown here) becomes oppressed by superior forces (such as the boss). An advantage of the weapon is that it is practically indestructible and can be re-used numerous times. Another advantage is that it can be stored for an infinite period of time before use, requiring only a minimum amount of maintenance—usually an occasional dusting and application of a commercially available furniture oil. Prime contractor for the weapon is the Louisville Slugger Co. Its non-nuclear warhead can be manufactured with a number of different yields according to the body diameter in the forward section. Mrs. Mary Lou Marlow of the Army's Nike-X Project Office demonstrates the correct offensive position using the BAT. Strategists believe that the mere deployment of the weapon in this position may preclude further hostilities.

AUSA To See Demonstration By Special Warfare Team

The Tennessee Valley Chapter of the Association of the U. S. Army will hold its second dinner meeting of the year at the Redstone Arsenal Officers Club on the evening of Tuesday, Apr. 28, John E. Hatch, president, announced this week.

An unusual after-dinner "floor show" will star Maj. Gen. William P. Yarborough and a six-man team of special warfare experts who will explain and demonstrate the techniques of guerrilla and counter-insurgent fighting in limited conflicts under all climatic and geographic conditions.

All members of the AUSA—officers, enlisted men and civilians—are invited to the dinner, Hatch said. Tickets are \$2 each and ladies are welcome, he said. A "dutch treat" social hour will open the evening's activities.

Gen. Yarborough commands the John F. Kennedy Special Warfare Center at Fort Bragg, N. C. A (See AUSA on Page 3)

Dial A Fact Kill A Rumor

The "busy signal" that has been bugging the internal information program on the Arsenal for almost six months has been all but eliminated thanks to a helping hand from the Support Command's Assistant for Communications.

Last fall the Missile Command Information Office inaugurated a program of disseminating internal news to Redstone employees through the use of Arsenal telephone facilities. The response was so overwhelming that the mechanical equipment available at that time was unable to handle the load.

Communications personnel came (See DIAL on Page 3)

Armed Forces Day Comes On May 16 This Year

Wraps will fall off many of the Army's mighty missile muscles May 16 when Redstone Arsenal stages its Armed Forces Day Celebration.

Maj. Gen. John G. Zierdt, Commanding General of the U. S. Army Missile Command, has de-

clared that the Redstone Arsenal gates be opened to the public at large on this date.

This year's celebration, to borrow a slogan from the movie-makers, promises to be bigger and better than ever.

(See ARMED FORCES on Page 3)

Motorists Feel Bite Of 'Points'

Motorists at Redstone Arsenal are feeling the bite of a traffic violation point system instituted last June.

A total of 47 drivers at the Arsenal have had their installation driving privilege suspended since the point system was started, says Col. Robert M. Allgeier, Assistant for Operations and Security at the Army Missile Support Command.

Scores of other drivers have had points marked against them due

Another Casualty

David G. Root, a civilian employee of the Supply & Maintenance Directorate, who was critically injured in a two-car collision April 9, died at 5:50 a.m. Tuesday in the Huntsville Hospital.

Root was one of two men injured in the collision at the intersection of Mills and Martin Roads. Root, 32, resided at 442 North Edgemont Circle, Huntsville. He was the second traffic fatality on Redstone Arsenal this year.

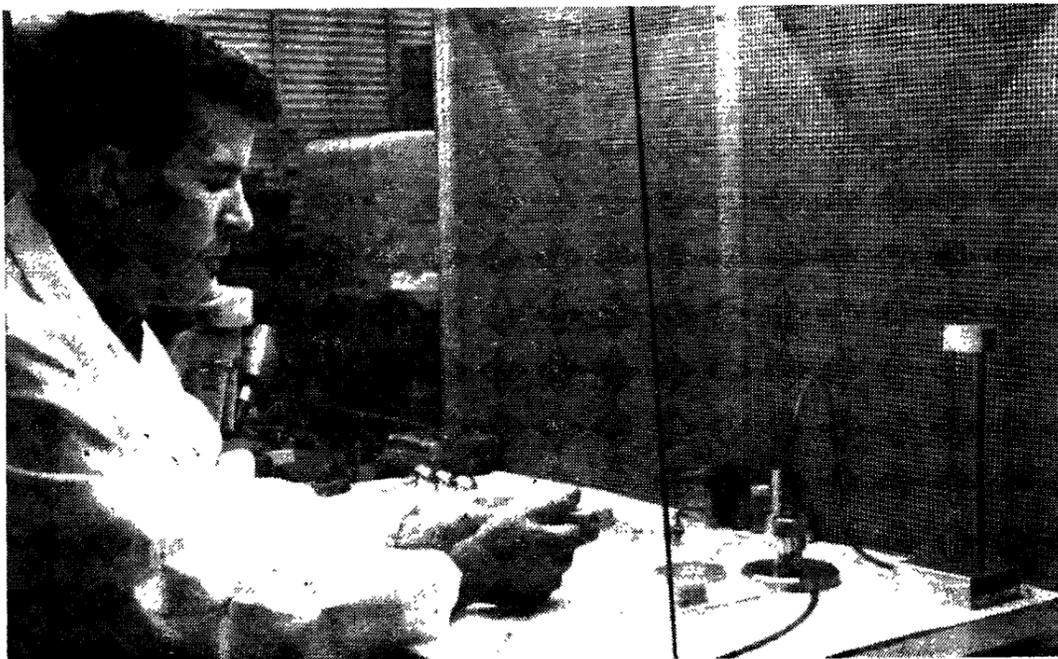
to traffic violations, but have not yet reached the critical 12 points, he said.

Under the point system, military personnel who violate traffic laws may receive non-judicial punishment pursuant to Article 15, of the Uniform Code of Military Justice for a moving violation.

Civilian violators appear before a U. S. Commissioner for hearing and disposition of their case. Military personnel may also appear before the Commissioner.

Col. Allgeier pointed out that during the period from Jan. 1 to April 14, a total of 108 violators were referred to the U. S. Commissioner.

Topping the list as the most frequent violators were (See SAFE DRIVERS on Page 3)



CLEAN TABLE—Edward O. Branum assembles delicate missile guidance components at a table kept free of dust by a steady large-volume flow of filtered air from the screen at the rear of the table. Branum is an instrument maker and repairman with the Inertial Guidance and Control Laboratory in the Army Missile Command's Directorate of Research and Development. During an impromptu test, it was found impossible to flip cigarette ashes on the table, yet the evenness of the air flow makes it unnoticeable to the man at work. The air filter system removes dust particles down to the size of two microns.

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 wanted—is noon of Friday before publication.

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Rocket Ruminations

When a man sits with a pretty girl for an hour, it seems like a minute, but let the same man sit on a hot stove for a minute and that seems longer than any hour . . . That's relativity.

—Dr. Albert Einstein

President Johnson's Budget Message

9 March 1964

Note: The Chairman of the U. S. Civil Service Commission has asked that the following pertinent excerpts from President Johnson's Budget Message be distributed to each Department of the Army employee:

EFFICIENCY AND ECONOMY IN GOVERNMENT

I call upon all Government employees to observe three paramount principles of public service:

First, complete fairness in the administration of governmental powers and services;

Second, scrupulous avoidance of conflicts of interest; and Third, a passion for efficiency and economy in every aspect of Government operations.

For its part, the Federal Government must be a good employer. It must offer challenging opportunities to its employees. It must be prompt to recognize and reward initiative. It must pay well to attract and keep its share of dedicated and resourceful workers. It must welcome fresh ideas, new approaches, and responsible criticism.

For 33 years I have been in Government service. I have known its challenge, its rewards, and its opportunities. But all these will multiply in the years to come. The time is at hand to develop the Federal service into the finest instrument of public good that our will and ingenuity can forge.

Controlling Employment. Although both our population and our economy are growing and placing greater demands upon the Government for services of every kind, I believe the time has come to get our work done by improving the efficiency and productivity of our Federal work force, rather than by adding to its numbers.

Salary Reform and Adjustment. Although this budget is deliberately restrictive, I have concluded that government economy will be best served by an upward adjustment in salaries. In the last year and a half the Federal Government has taken far-reaching steps to improve its pay practices. The Federal Salary Reform Act of 1962 and the Uniformed Services Pay Act of 1963 established the principle of keeping military and civilian pay generally in line with pay in the private economy. This is a sound principle, and it is reinforced by the sound procedure of annual review. This principle is fair to the taxpayer, to Government employees, and to the Government as an employer.

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BRIEFING ON SECURITY—C. Donald Garrett, Deputy Director, Classification Management Office of the office of Assistant Secretary of Defense, gets a briefing on security at the U. S. Army Missile Command during his visit to Redstone Arsenal last week. From left are Mark A. Corthell, Assistant to the Chief of the Security Division; Mr. Garrett, W. R. Heflin, Chief of the Security Division of the Installation and Services Office and E. J. Reiss, of the Security Division of the Army Materiel Command.

Rep. Selden To Be Law Day Speaker

Representative Armistead I. Selden, Jr., (D., Ala.) will be the principal speaker at the Law Day banquet, May 1, at the Squirrel Hill Officers Club.

Hardy Jackson, a member of the Army Missile Command Legal Office staff and president of the Explorer Chapter of the Federal Bar Association, made the announcement. The Explorer Chapter is the host organization for the Law Day activities. Members of the Bar in North Alabama and Southern Tennessee have been invited to participate in the observance which includes a "get-acquainted" coffee at the Squirrel

Hill at 9:45 a.m. followed by a tour of Redstone Arsenal and the Marshall Space Flight Center, and the banquet at which Rep. Selden will speak.

Rep. Selden is a native of Greensboro, Ala., and represents the Sixth Alabama District in Congress. He opened his political career two years after he earned his law degree at the University of Alabama. He sought and was elected to the Alabama House of Representatives. Two years later, he sought election to the 83rd Congress and was elected. A mem-

ber of the Foreign Affairs Committee, Rep. Selden has specialized in Latin American Affairs.

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Joint Fund Drive Success

The most successful Joint Fund drive ever conducted at the Arsenal was concluded last week with government employee participation almost doubling the figures for last year in both the National Health Drive and the Joint Crusade, according to Drive Chairman Gustavus Brown.

Participation in the National Health Agency drive reached 88 per cent this year in comparison with the 45 per cent that took part in the drive last year. The Joint Crusade showed an even more spectacular rise going from 40 per cent in 1963 to 84 per cent this year.

Employee participation is the only local report made on the drive. The amounts of funds contributed will be tabulated by the national organizations and reported back to the Arsenal.

Brown said that this should be reported within the next month.

An even dozen of the thirty reporting organizations reached 100 per cent participation in both of the drives. Three others attained a perfect record in one of the drives but not the other.

"Even those units that didn't reach 100 per cent," Brown commented, "should be commended since almost every organization reflected a great improvement over last year."

	Per Cent	Participation
Office of the CG	100	100
DCG, Air Defense	100	100
DCG, Land Combat	100	92
Spec. Assts.	100	100
Comptroller & DP	61	39
R & D	100	100
P & P	100	100
S & M	100	100
Missile Intelligence	64	63
Lance	100	100
Hercules	91	86
Mauler	83	63
Pershing	100	100
Sergeant	97	93
Hawk	79	70
MS & Data Sys.	100	100
Installations & Svs	93	93
Inspector General	100	91
Judge Advocate	100	100
General Counsel	100	100
Information Office	100	100
Administrative Office	53	25
Personnel & Training	100	82
Missile Support Cmd.	79	69
Nike-X	99	98
Sheridan/Shillelagh	55	30
OGMS	93	93
Spec Review-AAA-GAO	77	57
Rohm & Haas	27	9
Thiokol	8	4
Mobile Dist. Engrs.	37	34

DIAL

(Continued From Page 1)

to the rescue. They recommended and installed additional equipment that has increased the distribution from four to twenty lines.

With the expanded distribution is a new three-digit easy-to-remember number. On-post personnel can get the newscast by dialing 112 rather than the regular seven-digit number that was formerly assigned to the program.

The telephone repeater newscast was inaugurated to augment the Command Internal Information program by providing a means for the mass dissemination of timely announcements.

The system has proved its value on a number of occasions since it was installed.

When the tragic news of President Kennedy's assassination reached Redstone last November, the newscast was changed every fifteen minutes to keep employees informed of the momentous events which were rapidly taking place.

In some instances the telephone news service has been used to give Redstone personnel the straight scoop to fight rumors that were circulating from mouth to mouth without being based on authority.

At other times the news service has been used to disseminate information, available only in the middle of a working day, to personnel who needed to know it. An example is the opening of an Arsenal gate which had been necessarily closed when personnel came to work that morning. This is a convenience to employees as well as assistance in the overall traffic problem.

A taped message is prepared each morning and placed on the repeater play-back containing news and important announcements for the day. Additional tapes are cut during the day whenever an event occurs of sufficient importance to justify notifying Redstone personnel.

The newscasts are available at 8:30 each morning and continue until 4:15 in the afternoon.

The Missile Command Information Office, which has the responsibility for the Internal Information program, continues to suggest that Redstone employees pool on calls into the telephone news service.

When rumors are rampant get the facts from the news service and pass the facts to fellow employees. Another means of pooling is to dial 112, give the signal to personnel in the same vicinity and

AUSA

(Continued From Page 1)

1936 West Point graduate, he has specialized in paratrooper and hand-to-hand combat operations from the beginning of his military career. During World War II, his paratrooper plane was shot down by a dissident French fighter over Algiers but he and the survivors landed safely to capture key airfields in Tunisia. Later he participated in the night drop into Sicily and later parachuted onto the Anzio beachhead to open the bitter battle there.

The special warfare men wear a distinctive green beret approved by the late President Kennedy in 1961. The headgear is identified with that worn by Roger's Rangers in the French and Indian frontier wars of the 1760's.

Members of the six-man team who will appear at the dinner will demonstrate skills in operations and intelligence, engineering and demolitions, weaponry, communications and medicine.

a number of persons can listen to the announcement over extension telephones.

1964 will be observed as a decade of progress toward increasing efficiency and economy in Federal operations through the Government Employees' Incentive Awards Program. It will be capped by presentation of special national awards to a number of Federal employees next November 30—10th anniversary of the Government Employees' Incentive Awards Act.

SAFE DRIVERS

(Continued From Page 1)

quent offense was speeding. Forty-nine citations were issued to arsenal motorists for speeding during the period.

In second place was driving while intoxicated, with 14 persons charged. Next came reckless driving, 9; no driver's license, 6, and a variety of other petty offenses.

The traffic violation point system was begun last June to provide an impartial and uniform administrative device for evaluating driver performance.

Col. Allgeier said that the system is proving satisfactory in keeping tabs on driving records and analyzing driver performance. "Scores" made by Arsenal drivers are recorded by the Provost Marshal Division of the Missile Support Command.

Points assessed against individual drivers can remain in effect for a 24-month period. Twelve points can bring suspension of driving privileges.

Col. Allegier stressed the meaning of "yield right of way" signs on Redstone Arsenal. "This sign is to be treated as a stop sign when failure to yield right of way is likely to cause vehicles on the intersecting road to slow down or stop," he said.

It also applies to military personnel operating privately owned vehicles on or off the arsenal, and to dependents, civilian employees and contractors operating privately owned vehicles on the installation.

Col. Allegier also pointed out

that the speed limit on Patton Road south of Bob Wallace is 40 mph, recently reduced due to a heavy buildup of commercial firms and housing in that area. Military jurisdiction begins on Patton Road immediately south of Bob Wallace.

ARMED FORCES

(Continued From Page 1)

Space age enthusiasts will be allowed to view exhibits at the newly completed Francis J. McMorrow Laboratories, at the Army Ordnance Guided Missile School and at the Redstone Arsenal Airfield.

Armed Forces Day activities, complete with bands, missile displays and reviewing stand, will be launched with the traditional downtown parade in Huntsville at 9:30 a.m. Sponsored jointly by the city and the Army, the Arsenal gates will swing open at 12:30 p.m. and will remain open until final events at 4:30 p.m.

Maj. R. H. Vereen, Operations Officer of the Army Missile Support Command, says many new events have been added since the last open house.

One which is sure to attract plenty of attention, however, will be a mass parachute jump by members of Company B, 20th Special Forces Group of the Alabama National Guard. Nearly 100 men are scheduled to hit the silk in this drop at Redstone Field.

In addition, an exhibition of sky diving is on the agenda where the jumper "free falls" thousands of feet before popping his chute and then manipulating it to a prescribed area.

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- 1959 CHEVY—4 dr. Bel Air V-8, auto. Red & white, new tires \$599.00
- 1960 CORVAIR—4 door, stick in floor. \$699.00
- 1959 DODGE—4 dr. Station Wag., V-8, auto., 41,000 miles & clean \$699.00
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WATTS MY LINE?—A missile engineer by profession and a rock hound by avocation, R. P. Watts here shows off only a tiny part of his vast collection of rocks and minerals that fill big display cases in his house and flow over into some 350 labeled and cataloged cigar boxes. Watts is Chief of the Auxiliary Equipment Branch, Engineering Division, of the Nike-X Project Office. His passion for picking up interesting rocks and pebbles has led him to scour most of the United States. Some of his finds are valuable enough to be kept in a bank vault.

Ever Know A Rock Hound? That's Watts Of Nike X

For centuries people have thought that Demosthenes, the patron saint of after dinner speakers, carried a clutch of pebbles in his mouth to develop pear-shaped tones in his oratory.

But, R. P. Watts of the Army's Nike-X Project Office at Redstone Arsenal, Ala., may have cast new light on the old theory.

Instead of improving his elocution, the glib Greek may have been one of the earliest recorded rock hounds.

A rock hound is a person who rambles wood, field, riverbanks and mountaintop with downcast eyes. Armed with a geologist's hammer, a knap sack, a magnifying glass and a strong determination to leave no stone unturned he collects interesting rocks and pebbles like a leaky rowboat collects water.

When he spots a curious pebble that defies immediate identification he may pop it into his mouth for further exploration by tongue.

According to Watts, "a rock hound's tongue is second only to his eyes in ability to identify strange rocks." The human tongue

can identify the sharp edges of a crystal better than fingers can, and a drop of saliva on the rough polished surface of a rock makes its internal markings stand out like bullet holes in a plate glass window.

Watts has some 250 different kinds of rocks and, in a strange

way, his hobby is related to his profession. A missile engineer, he is chief of a branch which develops auxiliary equipment for the Nike-X defense missile system. In this role he works on the world's newest missiles and rocks are, of course, the world's oldest.

He is also a past president of

the Huntsville Gem and Mineral Society.

Watts has literally a house-full of rocks ranging from huge pieces of petrified tree trunks to a single tiny diamond he picked up while "panning" soil in Arkansas. They overflow big glass display cases and spill over into some 350 labeled and cataloged cigar boxes.

Among the oddities are lava from the North Pole, coral from inland Tennessee and a strange slab of so-called sand rock from Georgia that bends like a piece of cardboard.

In time he has provided specimens for the Smithsonian Institution and the American Museum of Natural History in New York City. His rock collecting hours have taken him over much of the United States and even out of the country. He has scoured the deserts of the American southwest and once picked up an uncut topaz on the streets of New York.

A part of his staggering collection—which may be the biggest private one in the South—consists of thousands of agates. Like fingerprints, no two of them are alike.

He also has star sapphires, rubies, aquamarines and garnets by the score. His most valuable rocks he keeps in a bank vault, he confides, until he feels he has become proficient enough at the lapidary

wheel to cut them himself. Trying to get anymore information about these stones from Watts is like, well, drawing blood from a boulder.

Nearly all of his stone cutting equipment—saws, grinding wheels and the like including scales that can measure down to two one hundredths of a cent—he made himself.

On his desk he keeps an ashtray of lava and his tie is held in place, naturally, by a rock tie clip. His favorite TV program? You guessed it, the Flintstones.



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Everybody from the teetering tot to the tottering grandpa knows that Redstone Arsenal is the home of the U. S. Army Missile Command, a center for development of the Army's rockets and guided missiles.

But how many people know that Redstone Arsenal is one of the largest cattle leasing posts in the Southeastern United States? Or that its 40,000 acres encompass a wildlife management program as well as a forestry management program?

It isn't common knowledge. But these lesser known activities are paying dividends to the Army as well as farmers and businessmen throughout North Alabama.

At present, there are some 5,000 cattle, of all breeds, grazing on lush pasture land on the Arsenal. These beef cattle don't belong to the Army. They belong to farmers and businessmen scattered throughout the Tennessee Valley area. The Army leases more than 18,000 acres for grazing and hay.

The cattlemen, in turn, fence off their leased areas, plant grass and stock the cattle. In addition to paying nearly \$16,000 into the federal treasurer annually in rent, they are responsible for maintaining fences, fertilizing their areas and guarding against erosion, etc.

This also results in substantial savings to the government in not having to maintain upkeep of the land. Jim Weldon, Realty Property Management Specialist of the Post Engineers, says this service alone saves the government about \$140,000 a year.

"This system has created no major problems for the Army and it's an excellent way to take care of the land," Weldon says.

There are currently 24 leases using 34 areas which range in size from 30 acres to 2,850 acres. When an area becomes available, it is leased by competitive sealed bids. Bidding usually runs from \$1 to \$5 an acre, depending on the location, type of soil, etc.

In addition to cattle, there are some 2,000 other available acres which give Redstone Arsenal about 20,000 acres of suitable wildlife habitat for management.

Principal species are deer, quail, turkey, dove, rabbit, squirrel, raccoon, opossum and waterfowl. This establishment of fish and wildlife management was inaugurated by the Department of Defense, Department of the Interior and the State of Alabama.

Due to security restrictions, general public access to hunting and fishing areas is not allowed.



HOME ON THE RANGE—Missile range, that is. Oblivious to the roar of the space age, these cattle are part of more than 5,000 that graze on the lush pastures of Redstone Arsenal. Redstone Arsenal

is one of the largest cattle leasing posts in the Southeastern United States.

However, fishing and hunting permits are granted upon request to military personnel and their guests in specified areas. They must have state game and fishing licenses, complying with all state and federal laws, however.

Although backwater areas and ponds subject to overflow support considerable fish populations and provide much fishing, these are not considered suitable for management. There are two abandoned quarries on the post, however, which are not subject to overflow and these are stocked regularly.

Within this area of 20,000 acres, some 4,000 acres lies inside the boundaries of the Wheeler National Wildlife Refuge. Where fishing is concerned, there are no restrictions, although hunting is limited to short periods when the refuge as a whole is opened to the hunting of certain species of resident game.

A woodland management plan is also in effect on Redstone Arsenal and includes provisions for timber management that favor forest game. Weldon says that about 12,800 acres are under management with harvesting varying from year to year—some years as much as two million board feet of timber are harvested.

At the same time, about 250 acres are reforested each year, he said

Woodlands that lie inside the Wheeler Wildlife Refuge are handled by refuge personnel, Weldon said, and cutting is slanted toward optimum game condition.

Fire breaks are maintained through wooded areas and reversion furnishes variety that benefits game species.

What effect does the firing of missile engines on test stands and the testing of small weapons on range have on the cattle and wildlife? None. They are acclimated to their environment and are com-

Dr. Findley Talks To Chemical Group

Dr. Marshall Findley, Associate Professor of Chemical Engineering, Auburn University, was guest speaker at a meeting of the North Alabama Section of the American Institute of Chemical Engineers last night in Decatur. His subject was 'Location and Specification of

Control Instrumentation."

Dr. Findley received his B.S. degree from Texas A&M in 1949, M.S. from Institute of Paper Chemistry in 1951, and Ph.D. from University of Florida in 1955. He was a Fulbright Lecturer at Alexandria University, Alexandria, Egypt in 1962-63.

Dr. Findley's research interests include paper and pulping, automatic process control and instrumentation, chemical recovery of waste products, and drying. He has published several technical papers in these areas.

pletely indifferent to the roar of the space age.



TIMBER CUTTING TIME—More than 12,500 acres on the sprawling Arsenal are under forestry management and timber harvesting varies from year to year—some years as much as two million board feet are harvested. About 250 acres on the installation are reforested each year.

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Traffic Snarls So Do People

Out in Los Angeles, natives joke about their freeways and a renowned corner known as Hollywood and Vine.

But in Huntsville, they talk about Memorial Parkway and a notorious intersection known as Oakwood and Parkway—and it is no joke.

Intensive studies are being made, however, to improve traffic conditions in the booming Rocket City.

City of Huntsville, U. S. Army Missile Command and Marshall Space Flight Center this week initiated a program aimed at speeding the flow of creeping traffic through the troublesome Oakwood-Parkway intersection.

Beginning tomorrow, no left turns will be allowed off Oakwood onto Blue Spring Road and no left turns will be permitted off the Parkway onto Oakwood for south bound traffic. These restrictions will be in effect during the peak rush hours, from 3:30 to 5:30 p.m.

An average of 8,893 cars crawl through this intersection each afternoon, according to a survey now being made by Wilbur Smith and Associates, one of the largest traffic engineering consultant firms in the world.

Also being planned is the extension of stack lanes for north bound traffic making right or left turns off the Parkway onto Oakwood although approval must first be obtained from the state.

Actually, drivers themselves can eliminate some of the congestion through this area, says Fred Seale, representative of equipment for traffic control.

"The new set of signals installed at the intersection a few weeks ago do not change in a set sequence," Seale said, "If there is a lag or lull of more than three seconds between vehicles, the maximum time the lights will stay green for Parkway traffic is lessened."

Seale advised drivers to eliminate these lulls, wherever possible, to maintain a close but safe distance to the vehicle ahead.

Other improvements are being planned and will be announced in the near future, one official said.

National awards will be made to employees who make the most notable improvements in Federal operations through suggestions or special achievements until October 1.

Bowling Results

The following leagues need individuals and full teams to form the summer bowling leagues at the Redstone Arsenal bowling lanes. Individuals and teams are to be at the bowling lanes 30 minutes before starting time on opening night.

MONDAY NIGHT LADIES LEAGUE

Officers and enlisted men wives and dependents contact Myrtle Lewis, 877-4768 (Leagues will begin Apr. 20, at 7 p.m.)

WEDNESDAY NIGHT SCRATCH TRIO LEAGUE

Officers and enlisted men contact Russ Voisine, 876-2022 league play will start Apr. 29, at 7 p.m.

THURSDAY NIGHT LEAGUE

Officers and enlisted men contact W. Rattliff, 876-6334, league play will start Apr. 30, 7 p.m.

FRIDAY NIGHT MIXED COUPLES LEAGUE

Officers and enlisted men couples contact June Arnold, 881-2447, league play will start May 22, 7 p.m.

Tuesday night is open to officers interested in forming a league. Contact the bowling lanes, 876-4160 before Apr. 28. Starting time is tentatively 6:30 p.m. Summer hours becomes effective Apr. 25 Monday through Friday, 1 p.m. to 9:30 p.m., 1-6:30 p.m.—open bowling, 7-9:30 p.m.—league bowling, Saturday, Sunday and Holidays, 1-9:30 p.m.

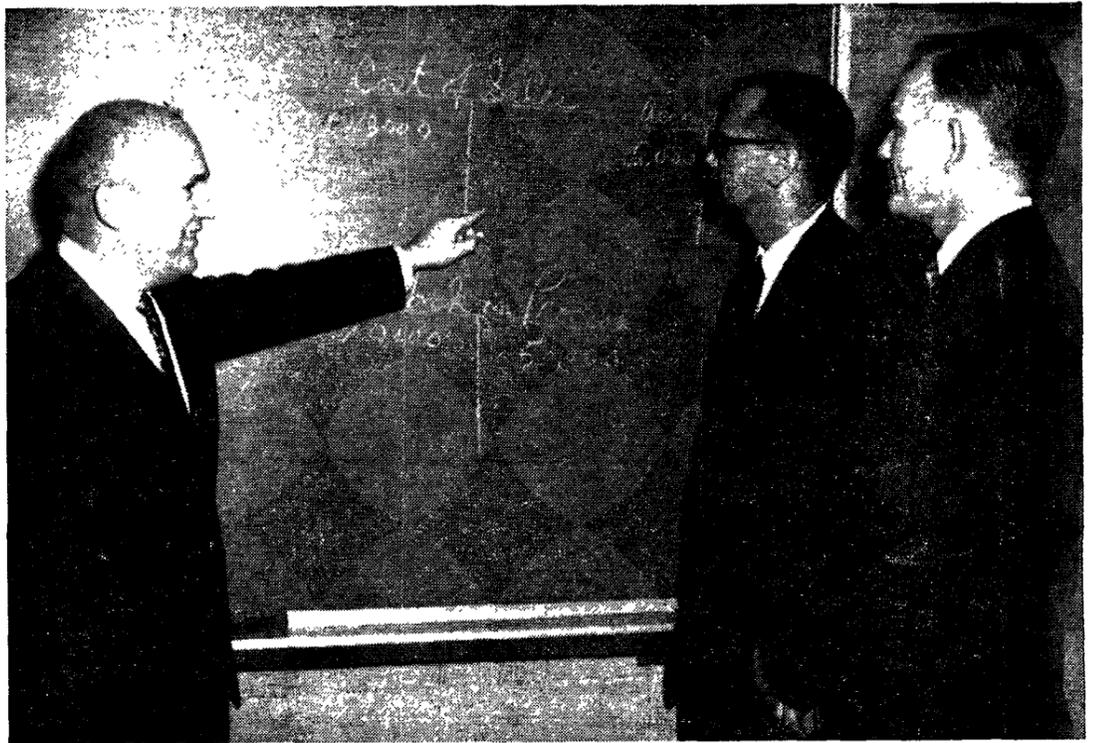
Entry blanks for the Huntsville city bowling Tournament can be picked up at the Redstone bowling lanes, Bldg. 3619. This tournament is scheduled May 1-17 on a handicap basis at the Pin Palace Lanes. The Bantam League (8-12 yrs.) will play on Apr. 27. Trophies and awards will be awarded after the final game.

SPECIAL EVENT

Capt. Paul N. Boyer, Post Special Services Officer, bowled a 288 un sanctioned game while competing for a place on the post team entered in A&M7 Bowling Tournament Boyer had a series of ten strikes, eight, and a spare.

Correction

In a feature story on the Training Aids Branch carried last week by the Rocket, an error of fact appeared referring to Mrs. Willie Wooten as Mrs. Vernon T. Wooten. A typographical error in the same story referred to Mrs. Roberta T. King as Mrs. Robert T. King.



BOUND FOR SYRACUSE—"Brushing up" on their mathematics are these employees of the U. S. Army Missile Command who have been selected to attend the Army Comptrollership School at Syracuse University. From left are John W. Cooley, James D. Rattliff and John C. Stanton. Cooley and Stanton both work in the Comptroller and Director of Programs Office while Rattliff works in the Finance and Accounting Office.

Three Slated For School At Syracuse

Three civilian employees of the U. S. Army Missile Command have been selected to attend the Army Comptrollership School at New York's Syracuse University.

They are John W. Cooley and John C. Stanton, both of the Comptroller and Director of Programs Office and James D. Rattliff of the Finance and Accounting Office.

The course at the Army Comptrollership School is a graduate level course of 13 months duration. A total of 56 semester hours of credit may be earned as well as a Master's Degree in Business Administration.

Cooley, Stanton and Rattliff were

GEN. ZIERDT DOES HONORS

Maj. Gen. John G. Zierdt Commanding General of the U. S. Army Missile Command, pinned on Maj. Sam Tillery the Master Army Aviator Badge recently. Maj. Tillery, Chief of the Aviation Branch at Redstone Arsenal, is the only Redstone pilot presently qualified for the honor.

To be eligible, a pilot must have held a Senior Army Aviator Badge for a minimum of eight years, must have at least 3,000 hours of flight time and must be qualified in both rotary and fixed-wing aircraft.

selected, along with five other civilians and more than 20 military personnel, from among nominees throughout the Department of the Army. Final approval was made by the Comptroller of the Army.

The selectees were chosen on the basis of having demonstrated: Ability to adjust readily to a variety of substantive fields, ability to master complex subject matter quickly and an apprecia-

tion of the problems involved in economic, political and business planning and operations of the Army.

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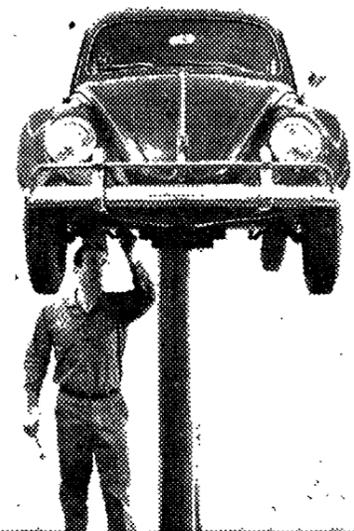


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BRIG. GEN. R. E. COFFIN

Gen. Coffin To Address Missile School Graduates

An Army general with a colorful record in such diverse activities as satellite launching, naval gunfire and Russian intelligence activities will address graduates of the Ordnance Guided Missile School here on Friday.

Brig. Gen. Robert E. Coffin, assistant commander of the 2nd Infantry Division at Fort Benning, Ga., will speak to 48 missile maintenance graduates at a ceremony in the Post Theater at 1000 hours on Friday. The students are completing a variety of courses on the Hawk, Sergeant and Pershing systems.

Born in Bellingham, Wash. in 1917, Gen. Coffin was graduated from Stanford University in 1939 and commissioned in the Field Artillery Reserve. With the 3rd Infantry Division in 1941-42, he was trained in amphibious warfare and made assault landings in Casablanca, Sicily, Palermo, Messina and Southern France, directing naval guns in support of the operations.

After World War II, he served as chief of Eastern European and Russian Section of the Intelligence Division of the General Staff; attended and remained on the faculty of the Command and General

Staff College. Graduating also from the Armed Forces Staff College, he was assigned to the Office of the Chief of Research and Development as Chief of the Atomic Division. This division was responsible for planning and operations which led to the launching of the Redstone-developed Jupiter-C in 1958 as the free world's first earth satellite.

In 1958-59, Gen. Coffin headed the 1st U. S. Army Missile Command in Italy. He came to Fort Benning last June for his current assignment.

Gen. Coffin will fly here on Friday morning and be honored at a luncheon on Friday by Col. William J. Macpherson and the OGMS staff and will inspect training facilities prior to returning to Georgia.

Honorary awards will be made to at least 15 employees, 3 supervisors, and 3 program or management officials at ceremonies in Washington, D. C. U. S. Civil Service Commission will select awardees from nominations submitted by agencies throughout the world.

Larynx Is Teaching Aid

Users of new teaching techniques are warned not to overlook the role of the human larynx as an audiovisual aid in a magazine article authorized by C. J. Markvart, chief of the Training Aids Branch at the Army Ordnance Guided Missile School.

The article appears in the current issue of "Audiovisual Instruction" published by the National Education Association in Washington, D. C.

The larynx must be considered as an audiovisual aid because it projects sounds that create images in the minds of students, Markvart wrote.

"Let us not forget the larynx. Treat it kindly. It may be the oldest audiovisual device, and it has its limitations, but it is always with us and can be depended upon to function when others fail," he cautioned.

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SOCIAL ^{and} CLUB EVENTS

Missile Command Wives Plan Luncheon And Tour

Wives of officers assigned at the Army Missile Command will tour the Arsenal before a buffet luncheon at the Squirrel Hill Officers Club next Tuesday.

The tour begins by bus at 9:30 a.m. from the club. The buffet will be served at noon in the ballroom. Mrs. M. E. Sands, 877-5476 and Mrs. R. T. Monford, 877-4654, are handling reservations and cancellations. Deadline for the former is Friday, for the latter noon on Monday.

Wives of officers in the Hercules Project arranged the tour; wives of officers in the Mauler project are luncheon hostesses.

NCO Auxiliary Plans Meeting

The Noncommissioned Officers Wives Auxiliary will hold an evening Coffee at the NCO Club from 7-9 p.m. April 23 in an effort to increase the membership.

All wives of NCOs are eligible to join the group which subsidizes a needy family as a community project, and holds social meetings, often including their husbands, as a part of the recreational program.

At the Apr. 23 meeting, members will bring ten items of canned goods for the community project.

As an additional attraction, Mrs. George Cobb from the House of Hats will demonstrate hat making.

Anyone wishing further details about the meeting may contact Mrs. William Lowery, 877-4572; Mrs. J. R. Moore, 536-6647, or Mrs. John Watson, 877-5547.

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ACHIEVEMENTS OF WOMEN RECOGNIZED—Maj. Gen. John G. Zierdt, Commanding General of the Army Missile Command, introduced six outstanding women executives to the Redstone Arsenal Officers wives at a lunch meeting of the Wives Club last week. Left to right are: Mrs. Josephine Smith, Finance and Accounting office, Army Missile Support Command; Mrs. Cleo Cason, Redstone Scientific Information Center's second in command; Mrs. Sara Bruce, program expert in System Analysis and Control Division of Nike-X Project Office; Mrs. Edith Gibbs, Chief of Data Processing in the Supply and Maintenance Directorate, Missile Command; and Lt. Col. Mildred M. Ferguson, Adjutant, Army Ordnance Guided Missile School.

At The Service Club

By: Brenda Hanson

These deluges we've been having off and on this month are April Showers, said to bring the May flowers shooting from the ground like Roman Candles. Since the monsoon season began, a search is on for indoor recreation. The Service Club stands open and ready to provide fun and shelter.

We have long been waiting for the All-Army Folk Singing Contest to be held at the Service Club tonight at 8:15. Our scouts stalked talented folk singers. The winners of this contest will represent Redstone in the Third Army Contest at Fort Gordon, May 4-9. We hope the results will be the same as last year. Redstone won the Command Trophy for Third-Army. Don't miss the show.

How are you at bridge? Care

Mrs. HELLMERS, LT. IBER WIN AT PARTY BRIDGE

Nine tables of players competed at Monday night bridge last week at the Squirrel Hill Officers Club.

Winners were Mrs. J. H. Hellmers for the women and Lt. Peter Iber for the men.

Second high were Mrs. G. R. Dunlap and Lt. Kazuyashi Sujihara. The group meets at 7:30 p.m. each Monday night at the Squirrel Hill Club. Interested individuals or groups can make reservations with Mrs. A. M. Cobban, 877-5572. Deadline for reservations is Sunday afternoon.

to prove your skill at this game? We have bridge at 7 p.m. Thursday night. Too, we have some very accomplished players in the club. These boys are quite a challenge. Why don't you get in the competition?

Friday is International Student Night. This program was planned especially for the foreign students to provide an opportunity to exchange ideas with our allies. Students from the International House of Jacksonville College, under the direction of Dr. James E. Jones, will present a show. Refreshments will be served afterward. Annually the Huntsville Rotary Club and the Rocket Ser-

vice Club sponsor this trip.

Saturday, the regular coffee hour is 2:30 p.m. In the evening the program we will have a popcorn popping party at 8 p.m. Sounds like fun! Sunday, we'll serve coffee and donuts at 9 a.m. Then, records will spin for the "April Showers Dance," at 8 p.m. We invite all of you to the dance, especially girls.

Entertainment with a capital E is sure to be an end product on Monday when game favorites take over in the Main Lounge at 8 p.m. We will have two grand prizes.

Keep an eye on this column for coming events at the Service Club. —Brenda



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FOLK-SINGING TONIGHT—(Left to right) SP/4 Richard Czaplinski, Pvt. Ronald M. Wilson and SP/5 John Leslie Duncan rehearse for the Third Army Folk Singing Contest tonight. Winners go to Fort Gordon, Ga., to compete in the Third Army Contest on May 4. The contest will be at the Service Club at 8:15 p.m. All military personnel and guests are invited.

Top Graduate Is Lieutenant From Norway

A Norwegian Air Force lieutenant captured one of the U. S. Army's highest academic awards Friday at the Ordnance Guided Missile School.

Lt. Jens Wang scored 96.4 in a staff officer course on the Nike-Hercules anti-aircraft missile which Norway uses as part of the North Atlantic Treaty Organization defense force. He received a plaque from the Association of the U. S. Army for his outstanding record.

Lt. Wang topped other officers from Denmark, Germany and Norway. Nationalist China, Italy and the United States also were represented among the 65 who received diplomas.

Retired Lt. Col. Enoch P. Sparks, adviser to the director of supply and maintenance at the Army Missile Command, was guest speaker. Lt. Col. Ray H. Lee, director of the Department of Individual Training at OGMS, presided at the ceremony.

Honor graduates in other courses were: CWO Thomas W. Ellis, ballistic missile maintenance technician (Sergeant) course; Pvt. Thomas L. Kernusz, ballistic missile rocket motor and structures repair (Sergeant) course; Pvt. James M. Gorum Jr., ballistic missile test station repair (Sergeant) course; and Cpl. John G. Augustin of Norway, Nike acquisition radar course.

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PASSING GUIDON—Second Lt. Frederick R. Pinkerton (left) formally assumes command of Company C signal school from First Lt. Phillip W. Williams, the former CO. Lt. Williams will assume duties as Commanding Officer of the 2nd ETC at USAOGMS. The new CO is a graduate of the Georgia Institute of Technology in Atlanta.

Dr. D. C. Sayles To Tell Students About Experiment

Dr. D. C. Sayles, of the Propulsion Laboratory, U. S. Army Missile Command, will lecture Apr. 23, to the School of Chemistry and Chemical Engineering at the University of Alabama. The subject will be "Catalytically Influencing the Reactions of Grignard Reagents." The lecture is based on the experimental research which he conducted while attending the University of Chicago.

He was nominated for the Southern Chemist Award and the James T. Grady Award, as well as having been nominated as Councilor-at Large for the National Chapter of the American Institute of Chemists.

Nuclear Scientists Seek Local Charter

Scientists, engineers and others in the Huntsville area are preparing a petition for a Huntsville Section charter of the American Nuclear Society.

According to Paul D. Soracco, handling publicity for the nucleus of about 20 interested individuals, the organization is a non-profit one to promote advancement of science and engineering relating to the atomic nucleus.

The society was formed as a scientific and educational organization in October, 1954, in the Academy of Sciences.

Details and pertinent information may be obtained by calling John Crittendon, 881-1640.

Greek Creeps Into Missile Procurement At Command

The people who say, "It's all Greek to me" may not be joking if they look at some of the material prepared in the Army Missile Support Command's Calibration Center at Redstone Arsenal.

The Purchasing and Contracting Division of the Support Command recently filled a request for special type faces for use in the Center, and lower case letters of the Greek alphabet made up most of the \$140 order to a Huntsville business equipment firm.

Test reports, scientific papers containing mathematical formulae, calibration reports, all call for the use of Greek letters to make them look not only neat, but easily typed and universally acceptable.

Without a typewriter carrying these type faces, the papers would have to have the symbols inked in, a tremendous task when the material starts piling high.

The order for special type faces was just one of several hundred which personnel in the Purchas-

ing and Contracting Division and the Army Missile Command Procurement and Production Directorate administered during March.

The total amount of Army Missile Command orders for March in the southeast was almost \$2.75 million.

These orders for goods and services usually run approximately \$1 million a month for southeastern firms. A number of large orders in March and more small orders than usual ran up the total. Also, several national firms recently have established branch offices in Huntsville to handle local business.

Huntsville merchants received the largest share, approximately two and a quarter million dollars. More than \$140,000 worth of orders were placed in Birmingham, \$210,000 in other Alabama cities, and \$125,000 in Georgia and Tennessee.

In addition more than \$2 million went to firms throughout the United States and one order was to a Canadian concern.

Items purchased cover a wide variety of goods and services that support the Army's missile and rocket programs, but do not include contracts for a million dollars or more awarded to companies throughout the United States

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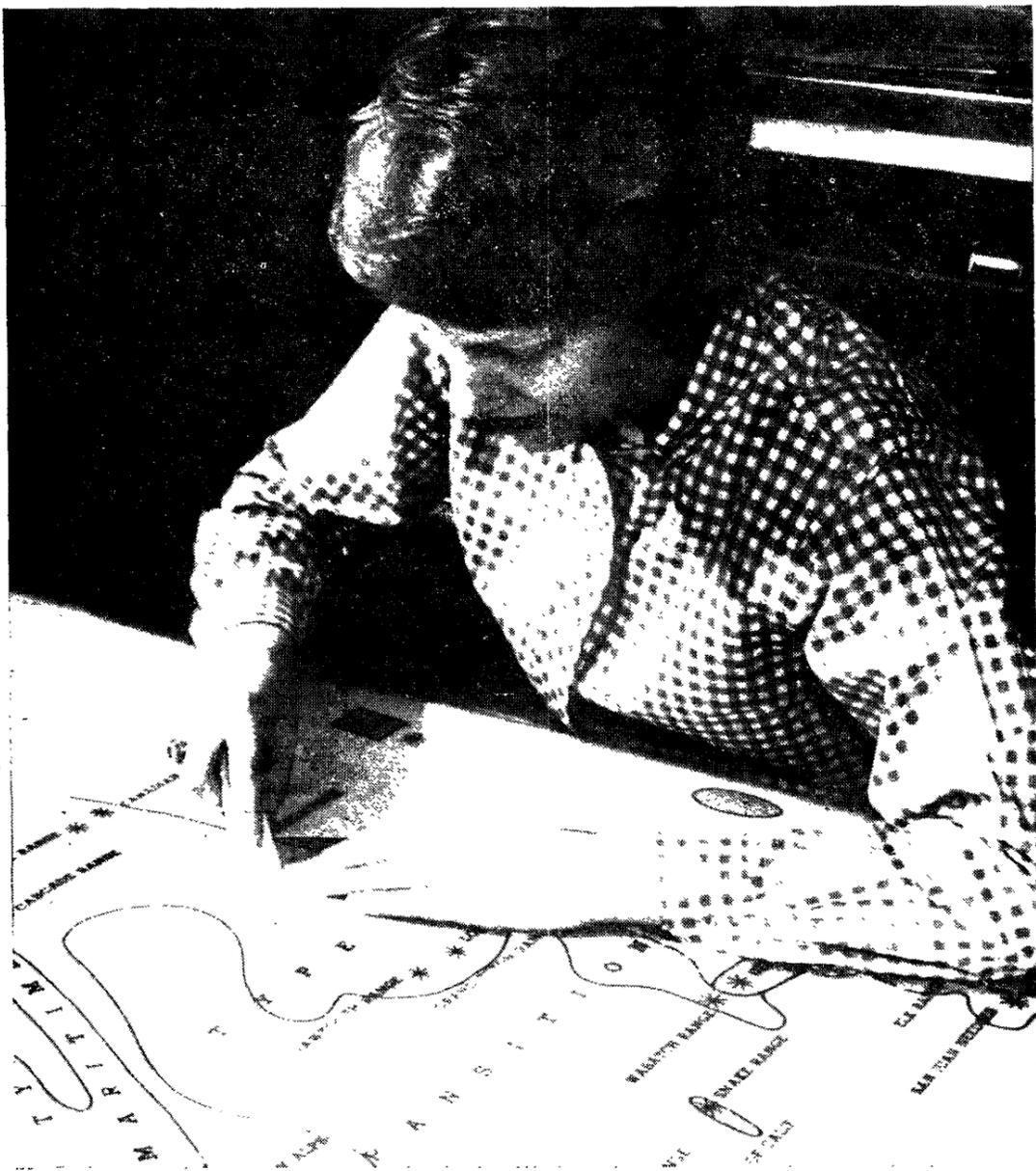
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ARMY CARTOGRAPHER—Miss Pernel Leuvelink of Brighton, Mass., works on a math overlay outlining areas of specific climatic conditions in the Western U. S. mountain regions. She is a cartographer at the Army Materiel Command's Natick (Mass.) Laboratories.

Maps Tell Soldier What To Wear, How Long Their Supplies Will Keep

Army maps now possess new dimensions. There once was a time when a map was a map, simply indicating geographical locations, distances, contours and prominent terrain features.

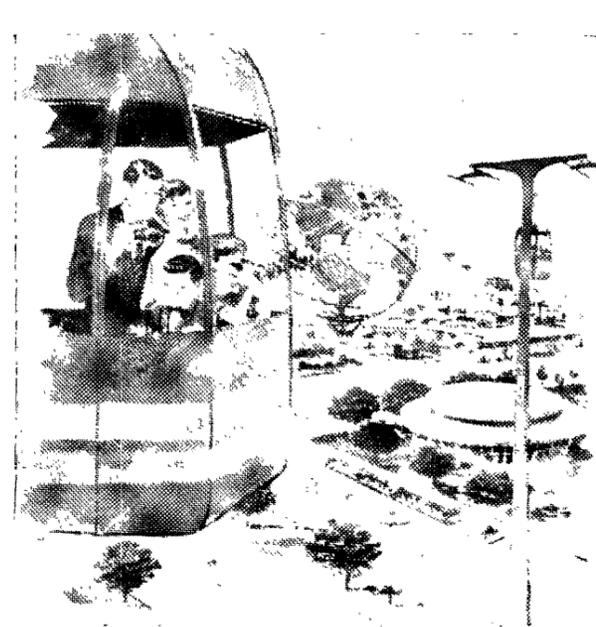
Today, maps compiled by the U. S. Army Materiel Command's Natick (Mass.) Laboratories show what temperatures to expect (even within an hourly time frame) in almost any location in the world, what clothes to wear, whether vehicle mobility is possible, and how long a person may work efficiently.

Cartographers prepare these specialized maps in conjunction with research conducted by the Polar and Mountain, Desert and Tropic, and General Environments Laboratories of Natick's Earth Sciences Division. The results of research dealing with environment, geology, vegetation and water resources, for example, are incorporated into maps using base maps obtained from the Army Map Service and comparable military and civilian cartographic services. The Division is responsible for compiling maps and reports to support Army supply needs around the world.

For military motor convoy commanders, maps are also available to show what ethnic groups may be encountered, languages spoken, solar radiation, food storage, and gasoline storage life. Map overlays also indicate timber stands, their height and density, and ridges with the per cent of slope, all potential vehicle obstacles.

"I am proud of the way Federal employees are developing a strong sense of what needs to be done in this program—developing a constructive discontent that seeks continually for a better or more economical way of carrying out the Federal agencies' assigned missions," CSC Chairman Macy said. "I am delighted that more and more workers are concerned with what DOES exist and are excited about the improvements that COULD exist."

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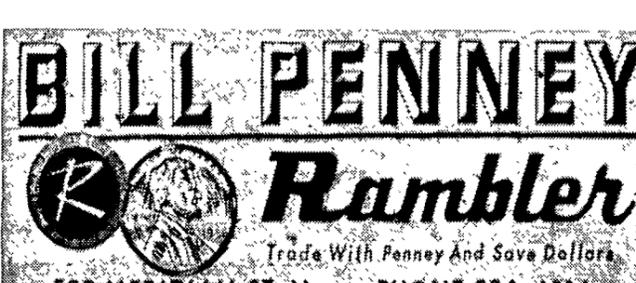
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Regular size '64 Classic 4-door "550" including reclining seats. Weatherene heater, custom steering wheel, Dow-guard coolant and a whole host of other extras—Ask to see the "standard package" at no extra cost to you.

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Station Wagon, heater, power steering & brakes. Air conditioned, radio. \$875.00

1958 CHEVY STATION WAGON
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1959 FORD
4 door, radio, heater, auto. \$775.00

1958 FORD WAGON
Radio, heater, auto. \$375.00

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Straight shift, radio, heater. \$975.00

SURVEY OF WAGES BEGINS IN AREA

A survey of some 23 industrial firms located in the Huntsville area began Thursday to determine wage changes since the April, 1963, survey. The survey is being conducted by the Army-Air Force Wage Board Headquarters, Washington, D. C.

Purpose of the survey is to assure pay comparability for some 1500 wage board employees of the Army Missile Command and the Army Ordnance Guided Missile School of Redstone Arsenal with like employees of industrial firms in the Huntsville locality. Any revision of the Army Wage Board Pay Schedule will be accomplished by the Army-Air Force Wage Board in Washington.

Survey results will be made available to NASA's Marshall Space Flight Center at Redstone Arsenal for use in deciding whether the pay of their approximate 1500 wage board type employees will be adjusted.

The survey will not affect the pay of Classification Act employees of the Army or NASA installations of Redstone Arsenal because the salaries of these personnel are established by Congress.

Awards also will go to selected supervisors who have done a particularly effective job in encouraging and helping their employees to make valuable contributions.

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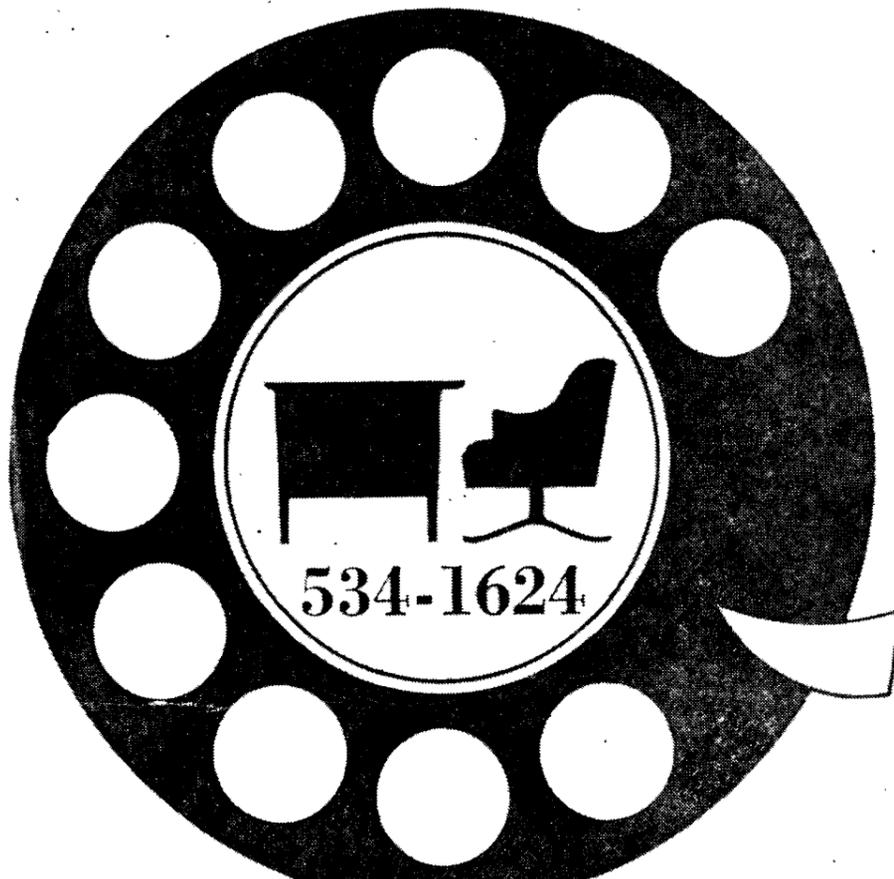
NORMA E. SHORT
Librarian

- Buchwald, Art — I Chose Capitol Punishment.
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- Chaze, Elliott — Two Roofs and a Snake on the Door.
- Copperud, Roy H — Words on paper.
- Engelhardt, Wolfgang — Survival of the Free.
- Funke, Lewis — Actors Talk About Acting.
- Holmelund, Paul — The Art of Horsemanship.
- Iversen, William — The Pious Pornographers.
- Marx, Groucho — Memoirs of a Mangy Lover.
- Michel, John — Small Motors you can make.
- Smith H Allen — A Short History of Fingers.
- Warriner, John E — Advanced

Movie Schedule

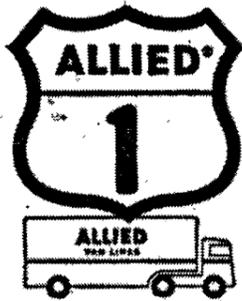
- WEDNESDAY, April 22
"The Naked Kiss" (M)
- THURSDAY-FRIDAY, April 23-24
"A Distant Trumpet" (F)
- SATURDAY, April 25
"Walk a Tightrope" (F)
- SUNDAY-MONDAY, April 26-27
"El Cid" (F)
First performance Sunday 5:45 p.m. One performance Monday 6:30 p.m.
- TUESDAY, April 28
"FBI Code 98" (F)
Two shows nightly at 6 and 8:30 p.m.. Saturday matinee at 1 p.m., and Sunday matinee at 2 p.m.

Composition.	FICTION	The Redstone Rocket	April 22, 1964	Page 11
Brand, Max — The Garden of Eden.	Grass, Gunter — Cat and Mouse.	Jessup, Richard — The Cincinnati Kid.		
Friendlich, Dick — Full Court Press.	Hudson, William Henry — Green Mansions.	McGivern, William P — A Choice of Assassins.		
Gallico, Paul — Love, Let Me Not Hunger.	Hutto, Nelson — Breakaway Beck.	O'Hara, John — The Hat on the Bed.		
	Innes, Hammond — The Wreck of the Mary Deare.			



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Logistical Problems To Be Subject Of Study May 5-7

The handling of technical data on the county's armaments—such as blueprints, parts lists, specifications and manufacturer's documentation—poses some big problems for the Department of Defense.

And, as the weapons get more complex the problems get bigger.

Examples: the Nike Hercules air defense missile system alone has more than 175,000 separate parts. When the Hawk air defense missile system went into manufacture in Europe last year the Army Missile Command's Documentation Center at Redstone Arsenal, Alabama, spent nearly 22 straight days printing the necessary drawings for overseas shipment. The drawings were produced on microfilm insets in punch-type cards at the rate of 16,000 cards per day.

On May 5-7 at Aberdeen Proving Ground, Maryland, DOD will hold a Technical Data Management Conference to study technical data problems. Ten study groups have been set to analyze various aspects of technical data handling. Conference participants will come from various DOD agencies.

H. R. Lowers, Chief Engineer for the Missile Command, will serve as conference director.

Among the conferees will be some of the most prominent names in the Defense Department. They include Dr. Eugene Fubini, Deputy Director of Defense for Research and Engineering/Assistant Secretary of Defense; Thomas D. Morris, Assistant Secretary of Defense for Installation and Logistics; and James D. Roach, Assistant Director of Defense for Engineering Management.

Also on the panel are Lt. Gen. Frank S. Besson, Jr., Commanding General of the Army Materiel Command; Rear Adm. J. M. Lyle, Head of the Defense Supply Agency; Gen. B. A. Schriever, Commander of the Air Force Systems Command; and Vice Adm. W. A. Schoech, Chief of the Office of Naval Materiel.

Maj. Gen. J. S. Sutherland, Commanding General of the Army's Test and Evaluation Command, and Mr. Lowers will open the conference. It will be keynoted by Secretary Fubini and Secretary Morris.

Each of the study group chairmen will report to the DOD Council on Technical Data and Stan-

dardization Policy. This Council is made up of Assistant Secretaries of the Army, Navy and Air Force specifically concerned with data for technical logistics and research and development.

The objectives of the conference are to analyze the principal data problems, assess current programs and plans aimed at solving them, exchange ideas on solutions, explore theories and principles of improved technical data management, and recommended immediate actions and long range plans and programs.

Principal areas of interest in the data field are: Research and Engineering Management Programs, Product Design, Engineering and Development Support, Procurement, Production and Supply, Training, Operation, Maintenance and Overhaul and Overall Data Management Improvement.



GET THAT THING!—Geraldine Fromhold (right) isn't too sure the black snake in the picture has been completely immobilized and Gladys Hill extends a little moral support. The snake was found in the machine room of the Supply and Maintenance Directorate's Data Processing Office and killed by the male personnel of the organization.



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Gordon Anderson — Forest Bell — Dick Bitner — Bob Broadway — Alvin Bryant — Melvin Elkins — Dow Elmore — O. J. Evans — Bennie Ivey — Buck Livingston — Alexander McDonald — Edward Mills — Frank Patterson — Billy Reed — James Vaughn — Bill Wann — Gene Mitchell — Rip Inman — Bill Mc McGraw.

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Blood Donors Exceed Goal

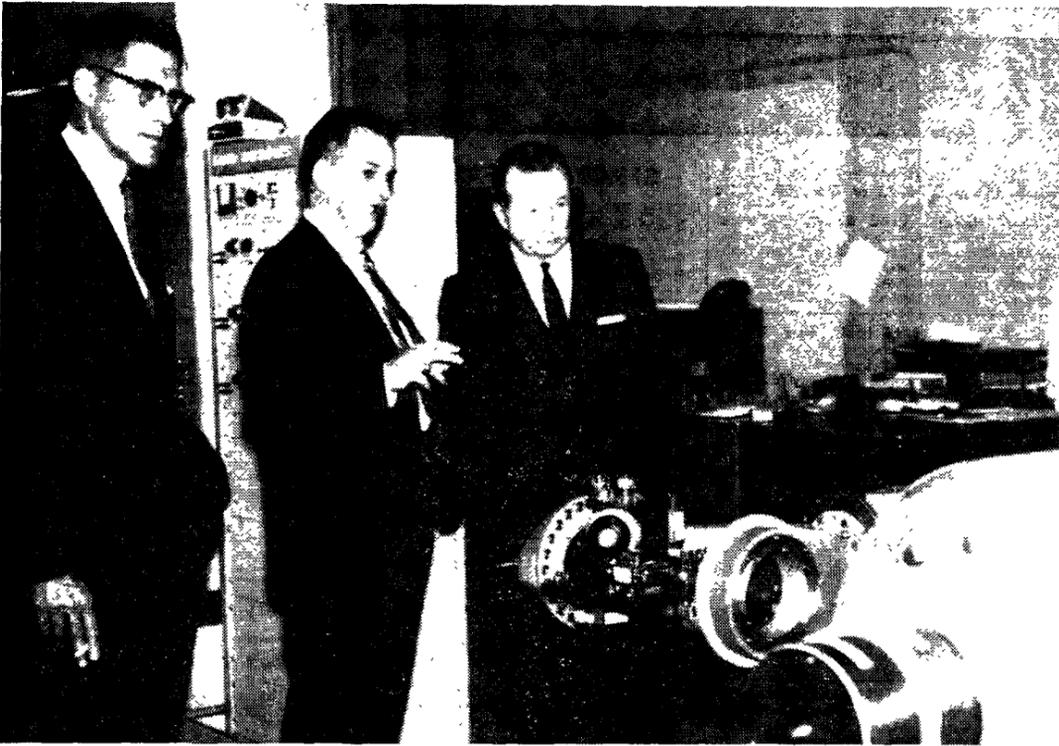
The Red Cross Bloodmobile netted more blood than the goal set for April with 617 donors giving 123 per cent of the scheduled donation last Wednesday.

The 13th Ordnance Detachment from Third Army won the traveling military plaque for the largest percentage of donors and the Marshall Space Flight Center had the most civilian donors, but the Rohm and Haas Chemical Company had the largest percentage of civilian donors.

Mrs. R. B. Braid was in charge of the Arsenal's volunteer workers. The canteen unit from Huntsville was under the direction of Mrs. John Martinez. Coordinator of the Arsenal blood program is Col. William Luk.

All awards—suggestion and performance awards—granted since 1954 total less than one-tenth of one percent of Government payroll costs.

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ASSISTANT SECRETARY OF ARMY VISITS—Assistant Secretary of the Army Willis M. Hawkins and his deputy visited the Army Missile Command at Redstone Arsenal recently to look over the Command's missile research and development facilities. Hawkins is the Army's Assistant Secretary for Research and Development. Here he and Deputy Charles Poor hear about missile guidance mechanisms from Jess B. Huff, Chief of the Inertial Guidance and Control Laboratory in the Command's Directorate of Research and Development. From left are: Poor, Huff and Hawkins.

Top award for an employee suggestion last year went to two aircraft sheet metal foremen at Hill Air Force Base, Ogden, Utah, for an idea to repair previously salvaged jet fighter aircraft wings. The employees saved the Government \$2.8 million. They shared an award of \$3,885.

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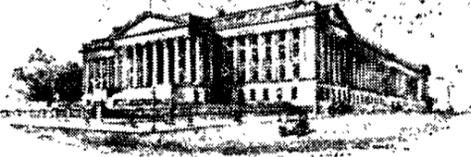
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Washington, D.C.

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located in Huntsville, Alabama, has been granted the right to act as Trustee, Executor, Administrator, Registrar of stocks and bonds, Guardian of estates, Assignee, Receiver, Committee of estates of lunatics, or in any other fiduciary capacity in which State banks, trust companies or other corporations which come into competition with National Banks, are permitted to act under the laws of the State of Alabama. The exercise of such rights shall be subject to regulations prescribed by the Comptroller of the Currency.

IN TESTIMONY WHEREOF, witness my signature and seal of office this tenth day of April, 1964


Comptroller of the Currency

Charter No. 4067

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Page 14 The Redstone Rocket — April 22, 1964

1. For Rent

FOR RENT 4000 sq. ft. workable area of office space, second floor Quick Building. Available July 1, 117 Green St., Downtown Huntsville. Phone 534-5127 or 534-4551. tfc

FISHING BOATS—on Guntersville Lake **FOR RENT** everyday at HONEYCOMB BOAT DOCK, Snug Harbor area on Highway 431 South. Boat storage and house trailer spaces available. Telephone Guntersville 582-4463. 4-22c

FURNISHED—1 or 2 bedroom apartments on dead-end street away from noise, yet very convenient to Gates 1, 8 and 9. Call 536-9775. tfc

FOR RENT — 2 unfurnished apartments, 1 & 2 bedroom, newly decorated, steam heated, no couples or settled ladies, no children or pets. \$75.00 or \$80.00 per month, 423 Randolph St. Call 534-0805 for appointment. ttp

ROOMS FOR RENT—Single and double for men with good habits, completely and newly decorated, economically priced. Central Y.M.C.A. Dial 534-6452. tfc

FOR RENT — TV's, portables, UHF-VHF, by day, week or month. Phone 536-9761. Central TV and Stereo Co., Inc., Corner Governors Drive and Parkway. Open 8 a.m. to 7 p.m. daily. tfc

Glen Park APARTMENTS

Completely furnished including air conditioning and TV outlet, lovely 2 bedroom, living room, kitchen and ceramic tile bath. Convenient to schools, churches and shopping.

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1962 CHEVROLET IMPALA — 4 dr. Sedan, radio, powerglide, V8, other extras. Excellent condition. Low mileage. \$1950.00. 881-1831 or 876-4051. ttp

FOR SALE — 1962 Volkswagen Sedan. Radio, heater, white tires. All VW extras, 28,000 miles, excellent condition. Serviced properly and well cared for. Phone 877-4232. ttc

FOR SALE—1963 Grand Prix, extra clean, auto. trans., power steering & brakes, bucket seats, 11,000 miles. Call 852-3759 after 6 p.m. ttc

3. Miscellaneous

FEDERAL AND STATE TAX RETURNS — Non-resident tax returns invited, reasonable rates. Phone 534-0974. Bell Auto Sales. ttc

FOR SALE—3/4 h.p. Air Conditioner, 8900 B.T.U. Used 5 months. Cost \$189.95. Will sell for \$100.00. Phone 852-2063 after 3:30 p.m. tnc

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FOR RENT—1964 TV's, portables, UHF-VHF, by day, week or month. Phone 536-9761. Central TV and Stereo Co., Inc., Corner Governors Drive and Parkway. Open 8 a.m. to 7 p.m. daily. ttc

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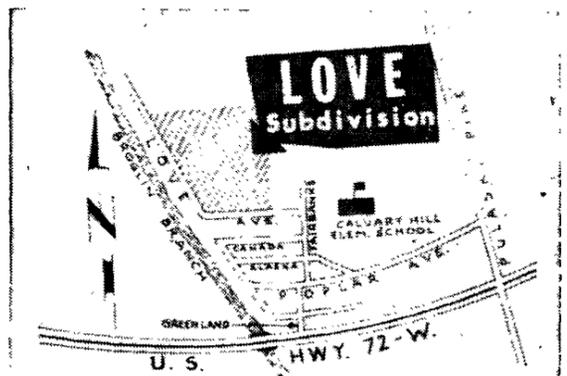
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CHIEF ENGINEER SEES MAULER—Charles H. Zimmerman (right), Chief Engineer of the Army Materiel Command, gets a briefing on the Mauler Missile System during his orientation tour of Redstone Arsenal facilities. From left are H. R. Lowers, Chief Engineer of the U. S. Army Missile Command and Lewis L. Gober, Deputy Project Manager of Mauler.

A 61-year-old employee at Norfolk Naval Shipyard, Portsmouth, Va., has made 134 suggestions. He has received 88 awards—83 cash and 5 honorary—totaling \$4,200. Asked his formula for suggestion success, the quartermaster lithographer said, "Just thinking, that's all."

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Paper Published

Roger A. MacGowan of the Army Missile Command Computation Center describes a new computer method to process missile test data, in the March issue of Communications of the Association for Computing Machinery.

The method involves use of general purpose, independent program modules, written in universal mathematical language comprehensible to all computing machines. The general nature of the program modules makes it possible to process test data from any missile system, thus saving costly time in preparing new programs.

The Computation Center personnel have partially completed the modifications needed at the Center to use this program.

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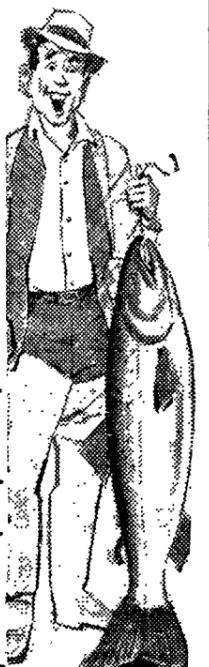
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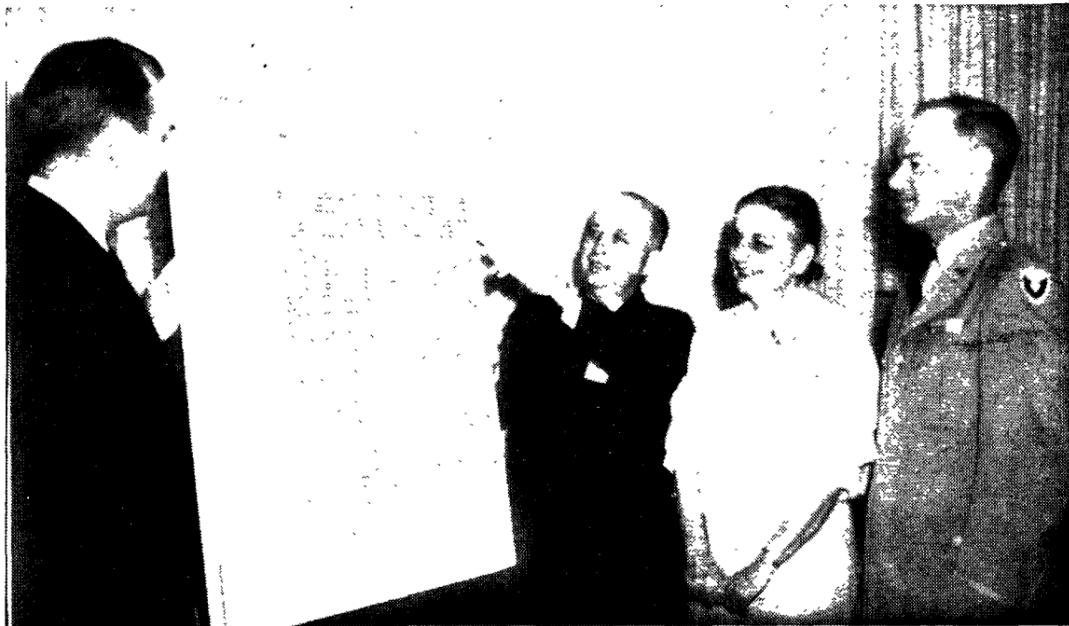
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"IT IS JUST REMARKABLE"—Mrs. Ruth Ferrari, of Mobile, chairman of the Federal Service Joint Crusade for the State of Alabama called the results of the recently concluded Joint Fund Drive on the Arsenal an outstanding success when she visited Redstone last week. Col. Henry J. Katz, Chief of Staff for the Missile Command, and two officials of the campaign, Gus Brown (left) and Abner McNaron, briefed Mrs. Ferrari on the drive which ended on a very successful note last Wednesday.

Concentrate! New Lights Are Blazing

New traffic lights are popping out all over Redstone Arsenal.

Motorists accustomed to driving over the installation's roadways are finding more and more lights in places where they've never been before.

Traffic tacticians say other new lights are scheduled to be put into operation throughout this year.

Three new traffic lights have been installed during the past six months on Redstone Arsenal, says Col. Robert M. Allgeier, Assistant for Operations and Security of the Army Missile Support Command.

The new lights are located at the intersections of Aerobee and Patton Roads, Goss and Vincent Roads, and Mills and Martin Roads.

As the modernization of traffic handling continues at the Arsenal, Col. Allgeier says, military police who formerly manned the busy intersections will be shifted to other key points to assist motorists in getting on and off the arsenal.

Col. Allgeier pointed out that during upcoming months motorists should keep alert for new traffic lights and concentrate on improving their driving habits.

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