

# The Redstone Rocket

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

VOL. VII; NO. 51

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

APRIL 29, 1959

## Army's Highest Civilian Award Given to 12 Here

Twelve top scientists and engineers of the Army Ordnance Missile Command Friday received the Department of the Army's highest civilian award, the Exceptional Civilian Service Decoration, in an unprecedented ceremony held here.

It was the first time more than a single such award had ever been presented at any Army installation. The highest total

Photo Inside

number of such awards given throughout the Army in any one year has been only 28.

Eleven of the 12 recipients are members of the famed missile and space team headed by Dr. von

Braun, which has been largely responsible for the Jupiter IRBM and for launching the Free World's first Earth and Sun satellites. Dr. von Braun himself received the top Army award in October, 1957.

'Grateful Nation'

Presenting Friday's awards, in the Arsenal's Post Theater, was Hugh M. Milton, Undersecretary of the Army, who termed the decorations "but a small expression of a grateful nation."

Awards recipients included: Robert W. Cuthill, Chief Engineer, AOMC; Eberhard F. M. Tees, Deputy Director, Development Operations Division, Army Ballistic Agency; Dr. Kurt H. Debus, Director, Missile Firing Lab, ABMA; Dr. Ernst D. Geissler, Director, Aeroballistics Lab, ABMA; Dr. Walter Haeusserman, Director, Guidance and Control Lab, ABMA; Karl L. Heimbürg, Director, Test Lab, ABMA; Heilmut Hoelzer, Director, Computation Lab, ABMA; Hans Hueter, Director, Systems Support Equipment Lab, ABMA; Hans H. Maus, Director, Fabrication and Assembly Engineering Lab, ABMA; William A. Mrazek, Director, Structures and Mechanics Lab, ABMA; Erich W. Neubert, Director, System Analysis and Reliability Lab, ABMA; and Dr. Ernst Stuhlinger, Director, Research Projects Lab, ABMA.

In awarding the honors, Undersecretary of the Army Milton paid tribute to the 12 recipients as "men who are making history, men whose creative genius, demonstrated originality, and tremendous energies have done so much to put this nation well into the forefront of the new Space Age."

Leaders Lauded

For "the welding of these talents" (See ARMY'S on Page 3)



COL. H. S. NEWHALL

## New Missile, 'Shillelagh,' To Be Developed

The "Shillelagh," a new, lightweight surface-to-surface guided missile system for close-in support of troops, is about ready for full scale development, the Department of the Army has announced.

The "Shillelagh" will greatly increase firepower against armor as well as troops and field fortifications. It is expected to become operational in the mid-1960's. Vehicle mounting is one application of this system.

The contractor for the system is Aeronutronics System, Inc., of Glendale, Calif., a subsidiary of Ford Motor Company.

The Army will spend approximately \$3,000,000 for the project in FY 1959, but the contract is expected to run about \$23,000,000 in all.

The Ordnance Tank Automotive Command, Detroit, Mich., is responsible for development of the "Shillelagh." The Army Rocket and Guided Missile Agency is the contract supervisor working under OTAC.

The ARGMA Research and Development Division, Project Management Staff, will have technical supervision of the development program. The pre-development work was carried out by the Division's Research and Engineering Staff.

## Capt. Montgomery Assigned to ARGMA

Capt. David F. Montgomery has been assigned with the Army Rocket and Guided Missile Agency.

Capt. Montgomery was formerly assigned as a student at the Ordnance Guided Missile School. A graduate of Coraopolis (Pa.) Senior High School, he attended Waynesburg (Pa.) College prior to entering the Army in August 1949.

Capt. and Mrs. Montgomery are residing in Huntsville with their three children, Tracy, age 4; Karl, age 3; and Leslie, age 1.

## Col. Newhall Reassigned; Eifler Will Head OGMS

MISSILE SCHOOL COMMANDANT WILL BE TRANSFERRED TO OCO IN JUNE

Col. H. S. Newhall, Commandant of the Ordnance Guided Missile School since July of 1955, is being transferred to the Office of the Chief of Ordnance at Washington, D. C., effective June 1.

He will be succeeded by Col. Charles W. Eifler, now commanding officer of the 57th Ordnance Ammunition Group with the U.S. Forces in Germany.

Col. Newhall has commanded OGMS for four of the School's six years existence. During that time it expanded from a small institution with classes held in World War II buildings at Redstone Arsenal into Alabama's third largest institution of higher learning, with a staff and faculty of more than two thousand using 97 buildings and equipment valued at more than 100 million dollars.

This year it will graduate 7,500 students from the U. S. Army, Navy, Air Force, and Marine Corps and from 11 member nations of the North Atlantic Treaty Organization.

Col. Eifler, 45, was born in

Virginia. He received his Bachelor of Science in Civil Engineering degree at Pennsylvania State College in 1936 and a Master's Degree in Electrical Engineering from the Massachusetts Institute of Technology in 1948. He is also a graduate of the Army's Command and General Staff College and the Industrial College of the Armed Forces.

His wife is the former Julia Knight. They have two daughters, Julia, 16, and Mary, 12, a son, Charles W. III, 10.

Eifler is expected to arrive from Germany in mid-July. Lt. Col. E. W. Ewbank, Assistant Commandant, will be in command until Eifler arrives.



JACKSON BALCH

## BALCH TO HEAD UGF CAMPAIGN

Executive Chairman Named for '59 Drive

Jackson Balch, of the Army Rocket and Guided Missile Agency, has been appointed as Executive Chairman for the Redstone Arsenal United Givers Fund 1959 campaign.

His appointment was announced by Maj. Gen. J. B. Medaris, Commanding General, Army Ordnance Missile Command.

Balch has also recently been elected to membership on the Board of Directors of the Huntsville-Madison County UGF, of which the Redstone UGF is a part.

As Executive Chairman, Balch will head the Arsenal's annual campaign which will be held next Fall. In this position, he succeeds Stuart H. Jones, Deputy Director of Civilian Personnel, AOMC, who directed last year's highly successful campaign.

Balch, who is Chief of the ARGMA Research and Development (See BALCH TO on Page 3)



BRIG. GEN. ROBERT H. McCAW

## Law Day Guests Here To Include Assistant Judge Advocate General

Among distinguished visitors expected at Redstone Arsenal Friday for ceremonies in observance of Law Day is Brig. Gen. Robert H. McCaw, Assistant Judge Advocate General for Civil Law, Department of the Army, Washington, D. C.

Other guests include J. Ed Livingston, Chief Justice, Supreme Court of Alabama; Elbert H. Parsons, Presiding Judge, 23rd Judicial Circuit of Alabama; and J. (See ASSISTANT on Page 3)

## Rocket Subscriber: The Soviet Embassy

Editors of The Redstone Rocket, this week discovered they had some interested readers in a somewhat unexpected quarter.

A subscription order came in from the Soviet Embassy in Washington.

## ARGMA Issues Contract For \$8,671,100 for Further Nike-Zeus Work

The Army Rocket and Guided Missile Agency, through New York Ordnance District, has issued a contract for \$8,671,100 to the Western Electric Co., to supplement the research and development efforts for the Nike-Zeus anti-missile missile system.

Major contractors in the Nike-Zeus system are Western Electric, Bell Laboratories, and Douglas Aircraft.

Thokol Chemical Corp. is developing the propulsion system. The booster is capable of developing several hundred thousands of thrust.

ARGMA is responsible for the Zeus system, which is the third generation of the Army's Nike family of Air defense missile systems.

# Pioneering ABMA Nose Cone Work Finds Broad Application

Pioneering nose cone research and development conducted by the Army Ballistic Missile Agency has led to a significant technological achievement which is finding a broad application in U. S. missile programs.

This accomplishment was the development of a technique to protect a nuclear warhead from the intense heat generated as it reenters the dense atmosphere

(Photos Inside)

from outer space at speeds of 10,000 to 15,000 miles per hour.

The technique is based on the principle of "ablation," the scientific term for describing the grad-

ual erosion of minute layers of the nose cone material as it encounters aerodynamic heating. Temperatures higher than 5,000 degrees Fahrenheit occur as the cone penetrates Earth's atmosphere.

Five Years of Testing

The ablation method was developed during five years of research and experimentation at the Army Ballistic Missile Agency, now part of the Army Ordnance Missile Command. In this period more than 3,000 tests, simulating high-speed reentry from outer space, were conducted, with the aim of finding a completely workable and practicable solution to the problem of nose cone pro-

tection.

That the approach was well conceived has been demonstrated by the spectacular success of the Jupiter Intermediate Range Ballistic Missile nose cone. One scale model and two full-size versions of this cone have been flown and recovered from the Atlantic Ocean. The first of these cones was exhibited on television in November, 1957, by President Eisenhower when he announced the U. S. had solved the reentry heat problem. Data telemetered from other Jupiter IRBM flights confirmed the protection afforded by the cone.

All data accumulated by the Army during the development

program were provided to the other armed services as an illustration of the Army's policy of free exchange of technical information.

'Most Significant'

Maj. Gen. J. B. Medaris, Commanding General of the Army Ordnance Missile Command, calls this "one of the most significant missile developments of recent years."

He pointed out the total cost of the Army development was approximately \$22,000,000, a figure which must be considered quite normal in light of the importance of the results. Successful recovery of Jupiter nose cones, he added, "provides physical

proof of the ability of this system to deliver warheads without damage during high speed reentry."

He said the internal temperature of the Jupiter cone during the heating phase is well within a wholly tolerable range.

Devices Used Again

The recovered, undamaged cones contained telemetry equipment and the Jupiter fuzing devices, which survived the grueling tests so well that all of it could have been re-used in other IRBM flights.

ABMA's nose cone research and development has been carried on in the Structures and Mechanics (See PIONEERING on Page 2)

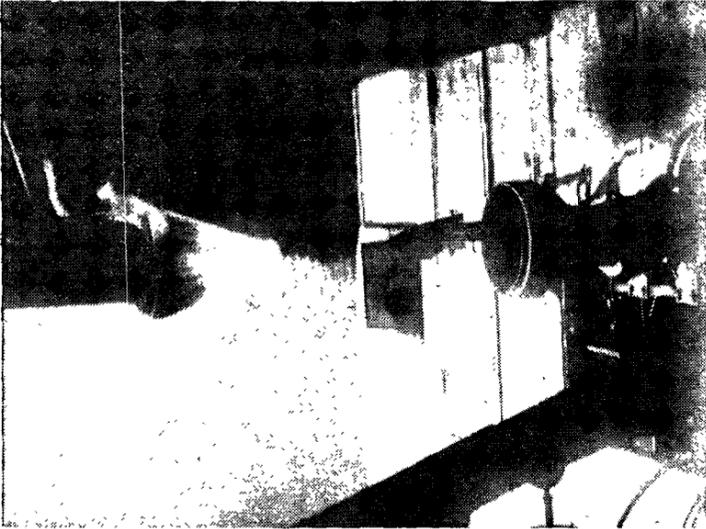
# The Redstone Rocket

The Redstone Rocket is a privately owned newspaper published every Wednesday at no expense to the Government by Jack W. Hoffhaus, Hartselle, Alabama, with exclusive regard for the reaser interests of personnel at Redstone Arsenal, Alabama. Appearance of advertisements in the Rocket does not constitute an endorsement of the advertising matter by the Department of the Army, the Ordnance Corps, or any organization at Redstone Arsenal, Alabama.

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A SCALE MODEL Jupiter IRBM nose cone undergoes a simulated reentry test at the Army Ballistic Missile Agency. The white-hot cone is positioned in the flame steaming from a rocket motor during static firing. This is one of hundreds of such tests which led to the Army's successful development of a heat-protected nose cone, using the ablative technique which is now finding wide application in U. S. missile projects.

## PIONEERING

(Continued from Page 1)

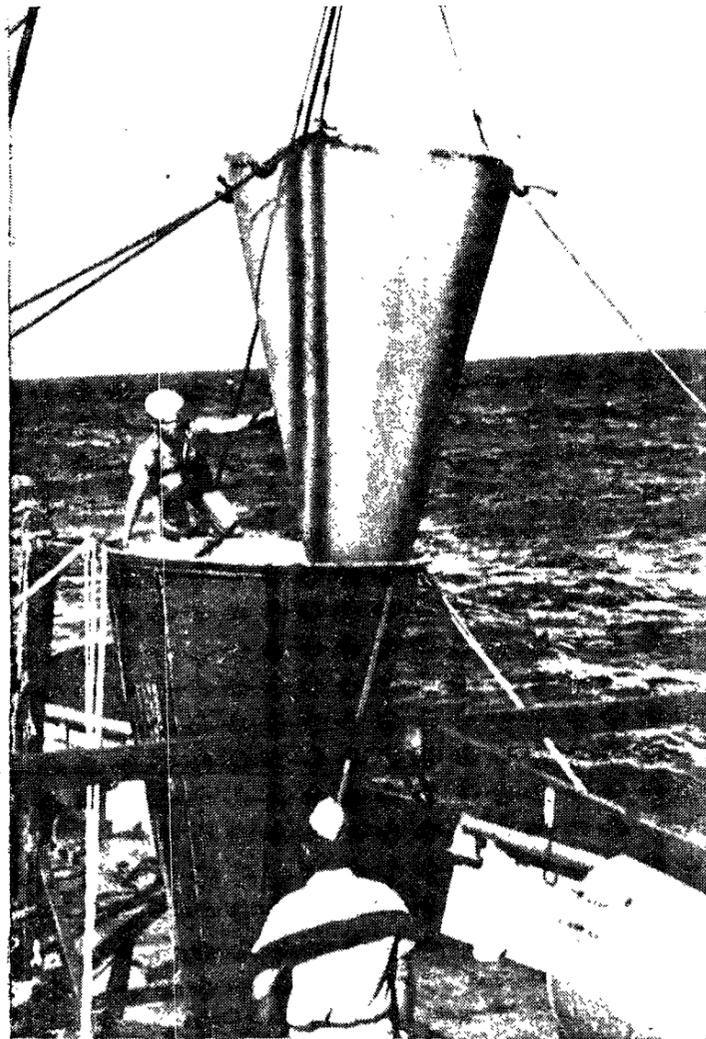
Laboratory under the direction of three men: Dr. William Lucas, Chief, Materials Branch; E. A. Hellebrand, Structures Branch; and Hans Paul, Mechanics Branch. William A. Mrazek directs the laboratory for Dr. Wernher von Braun, Director of Development Operations Division. The Agency is commanded by Brig. Gen. J. A. Earclay.

### Four Approaches

Nose cone research was well underway when the Jupiter IRBM development began late in 1955.

Hundreds of kinds of materials were evaluated and four possible solutions were studied:

1. Transpiration — using the heat of evaporation of a material which is forced through porous walls from the interior to the surface of the cone.
2. Non-ablating ceramic skin—insulation which resists the transfer of heat through the skin to the interior of the nose cone.
3. Heat sink method — covering the cone with a high heat capacity material capable of absorbing the heat of re-entry.
4. Ablation — by which heat is absorbed through the melting,



A FULL-SCALE, heat-protected Jupiter IRBM cone is lowered into its shipping container aboard a Navy vessel after being recovered from the Atlantic following a flight of some 1,500 miles from Cape Canaveral. This cone, one of two full-size cones which have been recovered by the Army Ballistic Missile Agency, was safely aboard ship less than 1 1/2 hours after the missile was fired from the Cape last July 17. The Agency developed the ablative technique for protecting the cone and its warhead from the tremendous heat encountered during reentry.



**PINNING OF AWARD**—Maj. Clarence Hutson (left), assigned to Third Army Headquarters last month as assistant comptroller, has the Commendation Ribbon with Metal Pendant pinned on by Maj. Gen. Thomas E. de Shazo, Third Army Deputy Commanding General. Maj. Hutson had just been cited for exceptional performance of duty as the Redstone Arsenal Finance and Accounting Officer for three years by Maj. Gen. J. B. Medaris, Commanding General, Army Ordnance Missile Command.

## Bids Called For

(Continued From Page 1)

training in the use of missiles.

All the buildings will be of concrete masonry. Each of the barracks buildings will have a floor area of about 40,640 square feet and will accommodate 323 men. The barracks buildings and dining areas will be air-conditioned.

Bids will be opened on May 20 for the construction of a small specialized building in the vicinity of the Guidance and Control Laboratory for use by the Army Ballistic Missile Agency as an isolation enclosure of testing vibration equipment.

Specifications call for the construction of a 1-story masonry building, with a floor area of about 1300 square feet, and a bituminous access road. The building will be insulated and will have an acoustical ceiling.

tion is provided by a combination of these processes occurring simultaneously. During the heating phase the protective material is removed continuously in this manner. All reactions occur in a relatively thin layer on the cone's surface.

This thin layer is removed and reformed continuously during ablation.

### Heat Simulation

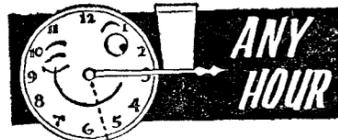
The extensive research program required the simulation of heat generated by Earth's atmosphere during the reentry and dive phase of flight. ABMA scientists and engineers devised a testing procedure by placing a scale model nose cone in the flame pouring from a rocket motor during static firing.

"We conducted hundreds of these static tests," Dr. Lucas explained. "Of course, the only way to know whether our approach was entirely satisfactory was by flight. This was carried out with the scale model Jupiter cone, employing a Jupiter-C rocket, in August, 1957. The successful recovery of this cone established the feasibility of the ablation technique and justified fabrication and test of full-size IRBM cones."

The two large cones were flown and recovered in May and July, 1958.

ABMA was assisted in the program by several contractors including the Cincinnati Testing Laboratory, Goodyear Corp., Westinghouse Corp., and the Rogers Company of Rogers, Conn.

ding for this job will be restricted to small business concerns, in accordance with the Corps of Engineers policy to make sure that a fair share of its contracts go to such firms.



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## 1,000 Members

(Continued From Page 1)

Arsenal: Maj. O. E. Adamsot, Adjutant General, AOMC Headquarters; Capt. Stuart L. Miller, Adjutant, ABMA; Maj. Huber M. Thomas, Jr., Secretary, OGM; Capt. John P. Bowen, Assistant Adjutant, ARGMA; and Capt. Voohrees.

Membership is \$5 a year, \$9 for two years, and \$12 for three years. This includes a subscription to the AUSA national publication.

Membership is open to all persons interested in the aims of the Association. Prior military service is not requisite, it was pointed out by Capt. Voohrees. Ladies are also invited to join, he added.

Huntsville Mayor R. B. Searcy, temporary AUSA president, stated last week that U.S. Sen. John Sparkman of Alabama has promised to attend the charter banquet, accompanied by either Sen. John Kennedy of Massachusetts, Sen. Richard Russell of Georgia, or Sen. Stuart Symington of Missouri as speaker.

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**TWELVE TOP SCIENTISTS AND ENGINEERS** of the Army Ordnance Missile Command who Friday received the Department of the Army's highest civilian award, the Exceptional Civilian Service Decoration, are shown above together with military commanders at Redstone Arsenal. In front row are Maj. Gen. J. B. Medaris, AOMC Commanding General, and Hugh M. Milton, Undersecretary of the Army, Washington, D. C., who presented the awards. Second Row: Brig. Gen. J. M. Colby, AOMC Deputy Commanding General; Brig. Gen. J. A. Barclay, Commander, Army Ballistic Missile Agency; Dr. Wernher von Braun, Director, Development Operations Division, ABMA; Brig. Gen. J. G. Shinkle, Commander, Army Rocket and Guided Missile Agency. Third row:—Robert W. Cuthill, Chief Engineer, AOMC; Eberhard F. M. Rees, Deputy Director, Development Operations Division, ABMA; Dr. Kurt H. Debus, Director, Missile Firing Lab, ABMA; Dr. E. D. Geissler, Dir. Aeroballistics Lab, ABMA; Dr. Walter Haeussermann, Director, Guidance and Control Lab, ABMA. Fourth row: Col. Owen T. McCloskey, Deputy Commander, Redstone Arsenal; Dr. Ernst Stuhlinger, Director, Research Projects Lab, ABMA; Erich W. Neuberger, Director, Systems Analysis and Reliability Lab, ABMA; William A. Mrazek, Director, Structures and Mechanics Lab, ABMA; Hans H. Maus, Director, Fabrication and Assembly Engineering Lab, ABMA; Hans Hueter, Director, Systems Support Equipment Lab, ABMA; Helmut Hoelzer, Director, Computation Lab, ABMA; Karl L. Heimburg, Director, Test Lab, ABMA; and Col. H. S. Newhall, Commandant, Ordnance Guided Missile School.

**\* \* \*  
ARMY'S**

(Continued From Page 1)  
ents together," Milton also lauded Dr. von Braun. Maj. Gen. J. B. Medaris, and Brig. Gen. J. A. Barclay. Gen. Madaris is Commanding General of AOMC and Gen. Barclay is Commander of ABMA.

"In honoring these 12 men," Milton added, "we also honor all of their associates and co-workers who have labored so unselfishly for the welfare of their country."

The Dept. of the Army citation accompanying the decorations read as follows:

"Through their tireless efforts, these individuals, working as a team with single-minded purpose and devotion to duty, have demonstrated originality and creativeness of the rarest order in solving the multitude of complex engineering problems incident to the development of new and unconventional ballistic missile. They have continuously overcome seemingly insurmountable obstacles, through individual and team efforts, in developing an operational intermediate range ballistic missile that has proved reliable in every respect. Further,

**SOLDIERS JUMP FROM JET PLANE**

FORT CAMPBELL, Ky.—The Airborne School of the 101st Airborne Division stepped into the jet age recently as a class of students made qualifying jumps from the Air Force's new C-130 turboprop troop transport.

In cutting their paratroop teeth on the first strategic cargo aircraft designed with the paratrooper in mind, the four officers and 107 enlisted men were jumping from a plane which is capable of carrying 92 soldiers or 64 fully equipped paratroopers non-stop across the Atlantic.

**Special Services Activities**

- POST SERVICE CLUB OPERATING HOURS**  
Monday thru Saturday 1000-2200.  
Sunday and Holidays 0900-2200.
- POST LIBRARY OPERATING HOURS**  
Monday thru Friday 0900-2200.  
Saturday and Holidays 1000-2200  
Sunday 1200-2200
- CRAFTS SHOP OPERATING HOURS (Effective April 5):**  
Monday through Friday 1000-2200.  
Saturday and Holidays—0800-1630.  
Sunday—CLOSED.
- RSA BOWLING LANES OPERATING HOURS**  
Monday and Wednesday 1300-2300.  
Tuesday and Thursday 1000-2300.  
Friday and Saturday 0900-2300.  
Sunday 1300-2200.
- LEAGUE BOWLING:**  
Monday thru Thursday 1545-2300.  
Friday 0900-1145 (Ladies League) 1545-1730 2000-2300.
- GOLF DRIVING AND ARCHERY RANGE OPERATING HOURS**  
Sun. thru Sat., 1300-1830.
- POST GYMNASIUM** — Closed

by their broad knowledge and superior abilities, they have contributed immensely to the prestige of the United States through the launching of the Explorer satellites in connection with the International Geophysical Year. Each, individually and as a team member, has made significant contributions in the field of guided missiles and to the advancement of the United States defenses."

The awards were handled through the RSA Incentive Awards Office.

Identinitely for repair. (except Exercise Room, which is open from 1800 to 2100 hours.)

**BALCH TO**

(Continued From Page 1)

ment Division's Control Office, served as ARGMA chairman in the 1958 UGF drive. Under his leadership, ARGMA was the first agency on post to complete its solicitation and achieved 99.6 per cent participation of all personnel.

Balch has been employed at Redstont for the past 6 yrs. He is the son of Mr. and Mrs H. H. Balch of Huntsville. His father, now retired, was formerly with the U. S. State Dep., serving overseas assignments. Balch was born in Yarmouth, Nova Scotia, Canada; graduated from high school in Monterrey, Mexico; and received a degree in civil engineering from the University of Dublin, Ireland. He later did graduate work at Massachussetts Institute of Technology and received a master's degree in economics from the University of North Carolina.

He served five years in the Army during World War II, rising to the rank of lieutenant colonel in the artillery. He is now

**ASSISTANT**

(Continued From Page 1)

Russell McElroy, Presiding Judge, Jefferson County, Ala.

Some 200 persons from five North Alabama counties are expected to attend the Arsenal ceremonies. This will be the first such observance at Redstone of Law Day, which has been proclaimed by President Eisenhower "to pay tribute to the rule of law between men."

Highlights of the day will be a morning program in the post's Rocket Auditorium, a luncheon at the Officers Club, and a tour of the installation that afternoon.

battalion commander of the 279th AAA Bn., Alabama National Guard.

Mr. and Mrs. Balch, who have six children, reside at 1106 Bob Wallace SE in Huntsville.

Coed: "What would you say if I told you I didn't believe in kissing?"

Fraternity Man: "Goodbye."

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Members' first quarter statements of account were mailed on April 11th. Statements rendered included items received by March 31, 1959.

In the event an error was made in your account, notify the Chairman, Supervisory Committee, P. O. Box 482, Huntsville, Ala.

Payments, deposits, or correspondence NOT PERTAINING to errors should be addressed to Redstone Federal Credit Union, Bldg. 3649, Redstone Arsenal, Alabama, rather than to the Supervisory Committee.

**ADDRESS RESPONSIBILITY**

If you did not receive your statement, please ADVISE IN WRITING. It is the member's responsibility to keep the Credit Union directly informed of address changes. A form is provided below.

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# Social News

## Art Exhibition Is Held By Officers' Wives Group

The Officers Wives Art Group at Redstone Arsenal held an exhibition at the Squirrel Hill Officers Club last Thursday, Friday and Saturday.

The Art Group is instructed by Mrs. Myron H. Dakins, a talented portrait painter who obtained her master's degree in art and education from Columbia University.

The art classes include approximately 50 students varying from beginners to artists in the semi-professional class.

The painters work with oils, pastels, and water colors and experiment with different textures of papers and canvas to obtain the desired feeling toward everything from massive landscapes to portraits of members of their families.

Among the more than 30 painters represented were floral designers in watercolors. The group who chose portraits tended to favor pastels although many oils were also included in this group.

The landscapes represented everything from serene mesas of the

Southwestern U. S. to seascapes along rugged coasts. Most of the landscapes were painted with oils.

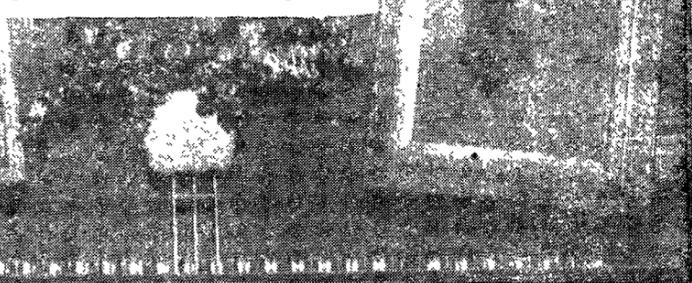
Two particularly dramatic scenes were a picador and bull in a bullring, and fiery-spirited wild horses running.

\* \* \*



WILD HORSES painted by Mrs. J. B. G. Britton, wife of the British Liaison Officer to the Army Ordnance Missile Command, was one of the fieriest oils in the art exhibition held at the Redstone Officers Wives Art group.

PORTRAITS IN PASTELS of a boy and girl are exhibited by the art instructor for the Redstone Arsenal Officers Wives Art Group during their show last week at the Squirrel Hill Officers Club. Mrs. Myron H. Dakin, the instructor, holds a master's degree from Columbia University in art and education. Her class numbers approximately 50 students. About 30 of them were represented in the three-day show.



### Officers Wives Bridge Groups Meet

The Officers Wives Club bridge groups met last Thursday.

For Duplicate bridge four tables were in play. First in this group were Mrs. Glenn Elliott and Mrs. Glenn Crane; second, Mrs. J. P. Conway and Mrs. Wells H. Gibbs.

At party bridge, seven tables were in play. High score was made by Mrs. William Nelson, second was Mrs. Douglass Pampalin, third was Mrs. Stanley Pearson, and low Mrs. Roy Chatham.

Tomorrow the Duplicate Bridge Group will play charity master point game.

On Sunday a two-session open pairs tournament is scheduled at the Yarbrough Hotel beginning at 2 p.m. To qualify in this tournament players must compete in both sessions.

### IRE Section to Hear Talk By Stuhlinger

Dr. Ernst Stuhlinger will address the Huntsville Section of the Institute of Radio Engineers at 7:30 p.m. tomorrow in the small auditorium at Huntsville High School.

Dr. Stuhlinger is Chief of the Research Projects Laboratory, ABMA. His topic will be "Where is the Limit?"

Prior to his speech, the IRE Section will meet for dinner at 6:30 p.m. at the Fox Restaurant.

### NCO AUXILIARY HAS DINNER MEET

The Non-Commissioned Officers Wives Auxiliary held a dinner meeting at the NCO Club Thursday night. It was the group's monthly social meeting.

Two guests, Mrs. Jorse H. Webster and Mrs. Neal Anderson, were among the 40 participants at the event.

Two new members, Mrs. David G. Timberlake and Mrs. James E. Ray, were welcomed by the club members. The door prize, ceramic dolls, went to Mrs. Ray.

Among business discussed at the conclusion of the dinner was the postponement of the Fashion Show which is still on the May schedule. Further details will be announced by the chairman, Mrs. Norman G. Koenig, at a later date.

An announcement was made that Mrs. Ray Kenneday will conduct golf classes during the Summer. Her telephone extension is 7762. It was also announced that a Summer bowling league will begin play in June. The bowlers announced that competition will begin at 7:30 p.m. during the Summer.

Hostesses for the April meeting were Mrs. Jack Greenwood

### Annual Business Meet Set By Officers Wives

The Officers Wives Club at Redstone Arsenal will hold its annual business meeting at the Squirrel Hill Officers club Tuesday morning (May 5) at 10:30 a.m.

Mrs. R. O. Lehtonen said that all members are urged to be present. The members will select new officers for the coming year and vote on a change to the club's constitution.

#### BRIDGE RESULTS

Results of Party bridge competition at the Redstone Arsenal Officers Club April 20 were as follows:

Women, first, Mrs. Wells Gibbs; second, Mrs. P. F. Brinkpeter; low, Mrs. T. Koeneman.

Men, first, Capt. Bob Kirk; second, Capt. W. T. Wilson; low, Fred Ellis.

Capt. and Mrs. Bob Kirk were hosts for the evening.

and Mrs. David Byrd.

Mrs. Harry Bullard was appointed publicity chairman to take over for Mrs. Melvin Collins who will undergo surgery this week at the U. S. Army Hospital at Redstone Arsenal.

Jack: "When I was born, my family was so poor and had so many kids already they didn't know what to name me. So they wrote five hundred names on slips of paper and drew one out of a hat . . . and up till I was sixteen everybody called me 67-8."



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### Movie Schedule

Wednesday, 29 Apr. "The Tarnished Angels" starring Rock Hudson, Robert Stack, Dorothy Malone and Jack Carson. Time 1315, 1745 and 1945.

Thursday and Friday 30 Apr. and 1 May. "The Man In The Net", starring Alan Ladd, Carolyn Jones and Dianne Brewster. Time 1315, 1745 and 1945.

Saturday, 2 May, SPECIAL MATINEE, Courage of Black Beauty", starring John Crawford, Mimi Gibson, and John Bryant.

Time 1000 hours.  
Saturday, 2 May, "Face of A Fugitive," starring Fred MacMurray and Lin McCarthy. Time 1745 and 1945.

Sunday, 3 May, "Green Mansions", starring Audrey Hepburn, Anthony Perkins and Lee J. Cobb. Time 1400, 1745 and 1945.

Monday, 4 May, "The Jajama Game", starring Doris Day and John Raitt. Time 1345, 1745 and 1945.

Tuesday, 5 May, "In Love and War", starring Robert Wagner, Danna Wynter, and Jeffery Hunter. Time 1745 and 1945. NO MATINEE.

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**OPEN MONDAY THRU FRIDAY 12 A.M. TO 9 P.M.**  
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**FAREWELL TOKEN** — Mrs. Keith T. O'Keefe (left) receives an engraved silver bowl from Mrs. Herman Rabinowitz as a farewell token from the Redstone Arsenal officers' wives. The gift was presented during a farewell luncheon held in Mrs. O'Keefe's honor April 21. Mrs. Rabinowitz is chairman for the event.



**BY OFFICERS' WIVES**

**Mrs. O'Keefe Is Honored With Farewell Luncheon**

Mrs. Keith T. O'Keefe, wife of Col. O'Keefe, Redstone Arsenal Commander, was honored April 21 with a farewell luncheon given by the Redstone Arsenal officers' wives at the Squirrel Hill Officers Club.

Col. O'Keefe, who has been at Redstone since August, 1956, will assume a new assignment as Chief of the U. S. Army Overseas Supply Agency, New York City, on May 15.

Fifty Redstone Arsenal officers' wives and guests attended last week's event. As a farewell token, the group gave Mrs. O'Keefe an engraved silver bowl which was presented by Mrs. Herman Rabinowitz, luncheon chairman.

Special guests attending included Mrs. J. M. Colby, Mrs. J. A. Barclay, Mrs. J. G. Shinkle, Mrs. H. S. Newhall, Mrs. J. B. G. Britton, Mrs. Helmuth Pfaff, and Mrs. Erich Ziesmer.

In keeping with the Spring sea-

son, luncheon tables were decorated with bouquets of irises and narcissi, and the main table was graced with an arrangement of tulips. Decorations also included a colorful banner proclaiming "Till We Meet Again, Marguerite."

Following the luncheon entertainment was provided by George Pralez and Mrs. Dottie Fisher, dance team from the Arthur Murray School in Huntsville. Their performance included the fox trot, cha-cha, waltz, and tango.

Serving on the luncheon committee were: Mrs. R. G. Heller, chairman; Mrs. R. C. Skellinger, Mrs. T. F. Gannon, Mrs. James Alexander, Mrs. S. W. Curtis, Mrs. L. A. Daubenspeck, and Mrs. Russell Bergmann.

The centerpiece of tulips was offered as door prize and went to Mrs. Raymon S. Dotson.

**Arsenal Thespians Have Top Roles in Little Theater Play**

For the final play of the 1958-59 season, the Huntsville Little Theatre has chosen the recent Broadway comedy success, "Janus," by Carolyn Green. The play was a hit of the 1955-56 season, with Margaret Sullivan, Claude Dauphin, and Robert Preston in the leading roles.

Janus is the pen name of a famous pair of authors who turn out a best-seller annually; a quiet New York teacher, and the respectable wife of a midwestern tycoon who comes to New York every summer ostensibly to study. For the first time the husband decides to drop by and see his wife in her studio, just as the teacher comes in. How this situation is resolved, and a sub-plot involving an income tax investigator and a literary agent, makes for an entertaining theatrical evening.

An experienced cast will portray these characters on the local stage. The wife will be played by Mrs. Cris Christmann. Her husband, R. L. Christmann, is a physicist in the office of the Chief of the Electro-Mechanical Engineering Branch, Guidance and Control Laboratory, ABMA.

The important role of Mr. Harper, the income tax investigator, will be played by Thomas C. Yarbrough, who is a mathematician in the Computation Lab, ABMA. Others in the cast are Bobby Patterson as the husband, Dr. Tom Smith as the school teacher, and Jeanne Tyson as the literary agent.

The play is being directed by J. D. Nilsson, and will be presented on the stage of the Hunts-



**IN LITTLE THEATRE PLAY**—Tom Yarbrough, as an income tax agent, shows Mrs. Cris Christmann a few of the mistakes she and her collaborator made on their income tax forms in a scene from the Huntsville Little Theatre play, "Janus." The play opens Thursday night at 8:15 for a three-night run at the Huntsville High School Auditorium.

\* \* \* \* \*

ville High School Auditorium on April 30, May 1 and 2 at 8:15 p. m. Tickets are on sale at The Book Shop, Busann's Shoes, and will be available at the door on performance nights.

**The Judge Advocate Advises**



Can military personnel recover from the Government for personal belongings stolen from their own automobiles while they are traveling under orders to a new permanent duty station? Generally, if the items in the automobile are visible and a loss results through theft, recovery will be disallowed.

Let's take the case of Capt. Hart Luck as an example. Capt. Luck, pursuant to PCS orders, was traveling to Redstone Arsenal in his personal automobile and was carrying his clothing and other small articles with him. He packed the trunk with suitcases and hung his clothing neatly on a rack in the back of the car. While en route, Capt. Luck stayed overnight at the Ho Hum Motel. He parked his car in front of his cabin, removed a few items of clothing, and then proceeded to lock his car and secure it to the best of his ability. During the night, thieves broke into his car and removed all of the clothing (green, blue, white, and khaki) which Capt. Luck had left in the back of the car.

Upon arriving at Redstone, his new duty station, Capt. Hart Luck submitted a claim against the Government for the loss under the provisions of AR 25-100. The claim was disapproved on the basis that Capt. Luck was guilty of contributory negligence in that the clothing left in the automobile was clearly visible. Such visibility is regarded as having invited the theft.

To recover on a claim of the type filed by Capt. Luck, the claimant must be traveling pursuant to orders or in the performance of military duty, and his loss must not have resulted from his own negligence. A person is negligent if he fails to exercise the degree of care required or prescribed by law, or which an ordinarily prudent person would exercise, under the same or similar circumstances. If his negligence contributes to the loss, the claimant cannot recover.

In order to preclude monetary loss under these circumstances, it is recommended that the individual not carry an excessive amount of clothing or other personal belongings with him when proceeding to his new duty station. If he finds it necessary to

carry such items, he should be sure that they are securely locked in the trunk of the automobile, and not visible to passersby, or completely removed therefrom when the automobile is left unattended.

**Births at Post Hospital**

Merry Angela Neer, 7 lbs., 15 ozs., 18 April, daughter of Sgt. and Mrs. Thomas D. Neer.

Steven Bruce Clark, 8 lbs., 13 ozs., 19 April, son of Maj. and Mrs. Lester E. Clark.

Kevin Dale Griffin, 7 lbs., 2 1/4 ozs., 22 April, son of Pfc. and Mrs. ...

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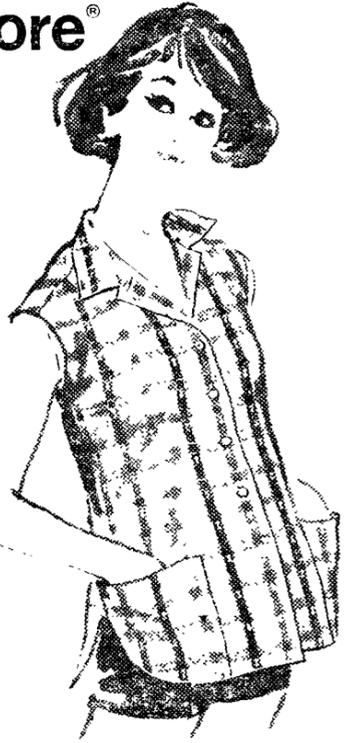
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Mrs. Charles R. Griffin.

David Mitchell Snyder, 6 lbs., 11 3/4 ozs., 21 April, son of Lt. and Mrs. Bruce D. Snyder.

Harry Randolph Barker II, 8 lbs., 5 ozs., 22 April, son of M-Sgt. and Mrs. Harry Randolph Barker.

## ABMA Scientists Contribute Time, Talent to School's Science Seminar

A group of Army Ballistic Missile Agency scientists, dedicated not only to Army missile work but also to the cause of improving education, is contributing time and talent to a high school science seminar at New Hope High School in rural Madison County.

Part of a nationwide program for the improvement of scientific training in American schools, the seminar is available to talented students as selected by competitive examination. It introduces the students to all fields of science, intensifies their interest, and gives them an opportunity for greater depth of study than can be achieved in the regular high school science classroom.

The program was initiated at New Hope last fall by the school's science teacher, J. N. Esslinger, with the assistance of the Joe Berg Foundation of Chicago — a national foundation which promotes the establishment of high school science seminars. Thirty students are participating in the New Hope seminar, meeting weekly on Thursday evenings.

### Professional Talent

C. L. Bradshaw of the Army Ballistic Missile Agency's Computation Laboratory was instrumental in assisting Esslinger with getting together, on a volunteer basis, the professional talent required to organize and carry out the advanced program.

As a result of Bradshaw's efforts, three-fourths of the seminar staff is made up of Army Ballistic Missile Agency employees and associated contractor personnel.

David M. Hammock, unit chief in the Agency's Structures and Mechanics Laboratory is serving as seminar director. Among the committee chairmen are C. H. Comfort of Burroughs Corporation, who heads staff recruitment; John B. Esslinger of Rocketdyne, community relations; Charles Stallings of General Electric, admissions; and Bradshaw, curriculum.

### Others on Staff

Also serving on the staff are James Morgan, Robert Cunningham, Paul McDonald, IBM; Miss Joan Kassner, Miss Mildred Leatherwood, Roland Ham, and Charles P. Hubbard, Computation Laboratory.

In addition, a large number of the seminar's guests lectures are recruited from the Agency's scientific personnel. Seminar subjects have included astronomy, electronics, mathematics, computers, medicine, pharmacy, meteorology, geology, physics, astrophysics, and biology.

"The students receive no high school credit for their advanced work," explains seminar director Hammock. "However, their efforts may be the first step toward a rewarding scientific career."

### Discussion Groups

Following the presentation by a guest lecturer, a general discussion session takes place among all the students. Then they break up into small groups representing special areas of interest, and discussion continues.

"We are always looking for staff volunteers to assist with this program," declares Hammock. "We are particularly interested in getting volunteers in the areas of chemistry, biology, pharmacy and physics."

Professional persons interested in taking part should contact staff recruitment chairman Comfort, ext 5818 or JE 6-2584. This is not limited to persons employed at Redstone Arsenal — it is to all professional people living in this area who are interested in furthering the seminar program.

Junior: "Papa just slipped on the ice on the front walk."  
 Mother: "What did he say?"  
 Junior: "Shall I leave out the naughty words?"  
 Mother: "Of course, dear."  
 Junior: "Nothing."

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AT SCIENCE SEMINAR—R. L. Lowery, Thokol Chemical Corp. physicist, explains the complexities of atomic structure to students at the New Hope High School science seminar, which was established last fall with the assistance of scientists from the Army Ballistic Missile Agency. (Photo Courtesy of Huntsville Times)



BRITISH SCIENTIST VISITS — Dr. Philip Gross (right), Principal Scientist, Fulmer Research Institute, Stoke Poges, Buckinghamshire, England, was a visitor to the post last week. He is shown above conferring with Dr. David Sayles, of the Office of the Assistant Chief of Staff for Research and Development, AOMC.

**CHAIR BORNE**—At first glance, this may seem a strange way to occupy a chair—but then if you happen to be posing for a Rocket Pin-up picture, it's probably a perfectly normal sitting position. The subject is Miss Nancy Elkins. A native of Rogersville, Ala., she works in the Civilian Personnel Office, ARGMA. (Photo by Jimmie Taylor.)



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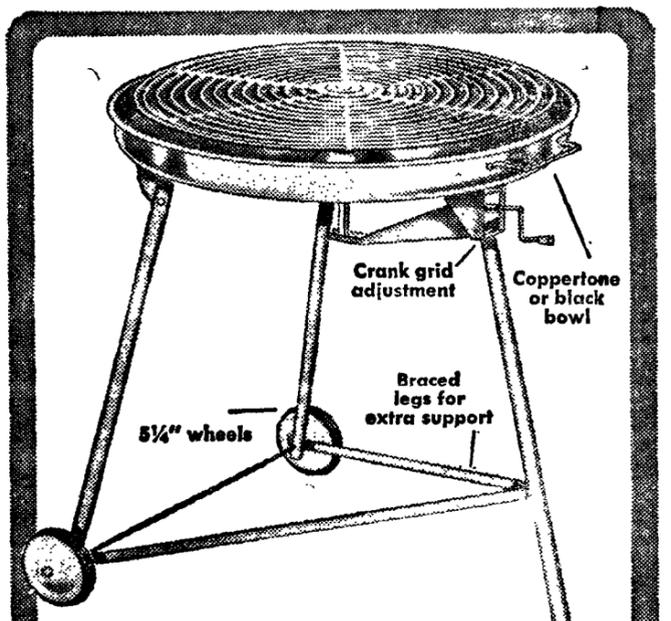
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 Wed. 9 a.m.—5:30 p.m.

Thursday 9 a.m.—8 p.m.  
 Friday 9 a.m.—5:30 p.m.  
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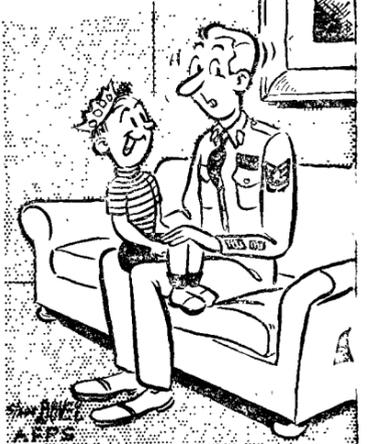
**MEMBERS OF THE GENERAL ELECTRIC Huntsville Computer Center management staff discuss 704 computer utilization rates during a recent staff meeting. General Electric holds a mission contract with the Computation Laboratory of the Army Ballistic Missile Agency to operate the Huntsville Computer Center. Personnel assigned to the Center are employees of the General Electric Computer Department of Phoenix, Ariz. Left to right above are, (standing) William L. Sullivan, manager, computer techniques; Robert J. Sobacki, business systems analyst; Charles A. King, manager, scientific operations sub-unit; Harold L. Loone, specialist, mathematical projects; Robert S. Mackenzie, Jr., manager, operations; (seated) James D. Johannes, mathematician programmer; Miss Carol S. Bostick, mathematician programmer; William R. Martin, mathematician programmer; Eugene H. Brock, acting manager, Huntsville Computer Center; and L. Allan Wright, specialist, administration.**

**CARTOON OF THE WEEK**  
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U.S.S. TARAWA CVS-40



"ANY OFF THE TOP, CAPTAIN?"

**TAILPIPE**



"ARE YOU HARD OR SOFT CORE?"

**Accountants Hold Panel Discussion**

The North Alabama Chapter of the National Association of Accountants held its April technical session recently at the Russel Erskine Hotel.

**John C. Baker Is Promoted to Captain**

Frank J. McLaughlin, of the Chemstrand Corp., was moderator of a panel discussion on "Accounting for the Control of Construction Costs." Panelists were Robert Wolenwitz, Ford Motor Co., Sheffield; Jack Severin, Alabama-Tennessee Natural Gas, Sheffield; George Barnett, Reynolds Metal Co., Sheffield; and Frank Sanderson, Thiokol Chemical Co., Huntsville.

Capt. John C. Baker was recently promoted to his present rank in a ceremony at Redstone Arsenal. Pinning his new bars on were Col. Owen T. McCloskey, Deputy Commander of Redstone Arsenal, and Maj. Jesse Garner, Troop Commander.

Capt. Baker is Commanding Officer of the 283rd Ordnance Detachment.



**SWEET DREAMS — Vera Day, Columbia Pictures starlet, in the kind of nighttime wear that causes consternation.**



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**SENSIBLE DUAL CONTROLS:** We use dual brake only. Complete dual controls (two steering wheels) do not add to the students' safety but retard learning. The student, in a two steering wheel car, never knows how much of the driving he is doing and how much the instructor is doing. This situation retards the student in winning his independence in solo operation of a car. The dual brake is all that is required to stop the training car short of accident.

**CORRECT TRAINING METHODS:** We do not use trial-and-error teaching. We are trained professional instructors using the N.Y.U. Center For Safety Education, method of instruction.

**INSTRUCTORS' QUALIFICATIONS:** Mr. Malcolm "Mac" Jacks is a retired Alabama State Highway Patrolman with 21 years of active service. Five of these years he was assigned duty as a State Drivers' License Examiner. Since his retirement, Mr. Jacks has taught several hundred new drivers. He is unusually even tempered, soft-spoken and patient.

Mr. Paul Norton, active instructor and school owner, is a graduate of The Center For Safety Education. He has taught more than 9,000 drivers personally during the past ten years.

**PATIENCE, UNDERSTANDING AND COURTESY:** Our instructors are full-time specialists who know and understand the problems and fears of new drivers whether male or female, young or elderly. They know that students make mistakes—or they wouldn't need lessons. They also know that the negative emotions of anger and fear stop the learning process. Through their calmness, courtesy, understanding and clear instructions they create a good atmosphere for the learning driver. They know that learning to drive a car in today's traffic pattern is not easy.

**SERVICE:** We provide home or office pick-up and return for your convenience. There is no extra charge for this service unless you are located more than ten miles from the school office. We will teach you in your own car, if you so desire, after you have demonstrated some control and skill in the training car.

**HONESTY:** We do not use misleading information to fool you. We give private, individual, full one-hour behind-the-wheel instruction. Not all driving schools follow this policy. Some schools put three or four students in the training car at one time, sharing the behind-the-wheel time. This means that each student receives only fifteen to twenty minutes driving each "lesson." We do not do this. The group plan does not give enough behind-the-wheel time to be successful with the average adult.

**REFERENCES:** We are happy to supply you with many local references — graduate students' names, addresses and telephone numbers. Among them are your town's civic leaders, scientists, doctors, lawyers, ministers and businessmen's family members. Ask for these references and check them. You do not have to enroll blindly with us!

**TUITION COSTS:** Basic Course, 5 hours—\$26.00  
Additional hours (if needed) after Basic \$5.00 per hour  
Single hours (no course) \$5.50 per hour.  
Refresher Course, 3 hours \$16.00.

**NUMBER OF LESSONS YOU WILL PROBABLY NEED:** The students' learning rates vary a great deal, depending on age, mechanical aptitude, muscular coordination, and past driving experience. The following table is helpful in finding your individual category and probable total number of training hours necessary to learn to drive a car safely and well:

Age	Experience	Average No. of Hours
16 to 25	little or none	5 to 6
26 to 36	little or none	7 to 8
36 to 47	little or none	9 to 10
48 to 58	little or none	11 to 12

Beyond 58 . . . more difficult to estimate, but usually able to learn up to age 65. If the student has been involved in an auto accident either as a passenger or while learning to drive with home instruction, or is physically handicapped, the above age table does not apply. It usually takes a little longer to teach these "special problem" students.

**INSURANCE DISCOUNT FOR UNDER 25 YEAR OLD MALES:** Most insurance companies have a Driver Training Credit discount, usually 10%, for 16 through 25 years old males. The requirement is a minimum of 6 hours behind-the-wheel professional training. The cost of this course is \$31.00. We provide a Letter of Completion and Driving Skill Evaluation for application to your insurance company on this course.

**USE OF TRAINING CAR FOR DRIVE TEST:** Graduate students may use the training car they have learned in for the Driver's License road test, if they so desire. A \$5.00 charge is made for this service, including home pick-up and return.

**TRAINING HOURS:** We teach from 7:00 a.m. to as late as 10:00 p.m. (for night driving instruction) six days a week. Sunday instruction is available in special "hardship" cases only. We teach by appointment only.

**ADVANCED TRAINING:** For the student who wants to learn the most possible about the safe operation of a car we have an advanced Defensive Driving Course. This subject is far too involved and detailed to express clearly in a short information brochure.

**FOR FURTHER INFORMATION** or enrollment call JE 6-8895 or JE 6-4398 or Ray Motors, the local Ford dealer.

# SPORTS

## Small Bore Rifle Team Fires in Atlanta Tournament

The Redstone Arsenal Small Bore Rifle Team earned 10 places in the small bore rifle tournament conducted by the River Bend Gun Club, Atlanta, Ga. last Saturday. The team earned 7,948 points out of 8,400.

The individual standings were as follows: CWO John W. Mann, Jr., Hq. Det. OGMS, Marksman, placed 2nd in the 100yd any sight match with 389-17x. Sfc. Ed M. Beeler, Hq. Det. "B" OGMS, Marksman, placed 3rd in the 100 yrd any sight match with 388-9X, 1st place in the 550 yard iron sight match with 396-16X, a new team record, and 1st in the Aggregate match with 1172-39X.

Sgt. Herbert M. Fitzgerald, Sig. Det. OGMS, Marksman, placed 3rd in the Dewar iron sights match with 388-13X. Pfc. Robert R. Ackley, Jr., Hq. Det. "A", OGMS, Marksman, placed 3rd in the 50-yard iron sight match with 392-12X. Sfc. Cecil E. Crowder, Hq. Det. "A", OGMS, Unclassified, firing for the first time with the team earned his Marksman Classification and 2nd place in the 50 yard iron sight match with 365-6X, and 1st place in the Dewar iron sight match with 367-5X, in the 100 yard any sight match with 361-6X, and the aggregate match with 1094-17X.

## 'Blind Partner' Event Held by Lady Golfers

Eighteen members of the Redstone Arsenal Officers Wives Golf Group met last Wednesday morning for a "Blind Partner" event at the Municipal Golf Course.

The teams used combined scores less combined handicaps, with two tied for first place in the event: Mrs. George Koebbe and Mrs. Walter Mullane, and Mrs. G. L. Barnhill and Mrs. Robert Cuthill. Golf balls were awarded as prizes to these first place winners.

This week the group was to hold a Low Gross for Nine Holes event. This will serve as a qualifying round for positions in established flights for the Group's Spring Tournament, to be held next week.

### SOFTBALL SCOREBOARD

3rd ETD 13, 32nd Ord. Det. 9. Signal Det. 15, Hq. Det. UTC, 14.

228 Ord. Plt. 19, Lt. Dill Officers.

A Det. ARGMA 12, Hq. Det. USAG 9.

Field Maint. 18, 1st ETD 0. 864th Air Force 20, Lt. Dill Officers 9.

A Det. OGMS 15, Hq. Det. USAG 9.

### SOFTBALL SCHEDULE

April 30 — May 5

April 30 Field No. 1—Hq. Det. USAG vs. Signal Det. No. 2, 1800. Med. Det. vs. 'B' Det. ABMA, 1930.

Field No. 2—228 Ord. Plt. vs. Lt. Gross Mixed, 1800. Field Mat. vs. 864th Air Force, 1930.

May 1, Field No. 1—A Det. OGMS vs. Lt. Dill Officers, 1800. 32nd Ord. Plt. vs. Hq. Det. UTC 1930.

Field No. 2—A Det. ARGMA vs. Signal Det. No. 2, 1800. 3rd ETD vs. B Det. ABMA, 1930.

May 4, Field No. 1—Hq. Det. USAG vs. Lt. Gross, 1800. Medical Det. vs. 864th Air Force, 1930.

Field No. 2—228th Ord. Plt. vs. Field Mat., 1800. 1st ETD vs. Hq. Det. UTC, 1930.

May 5, Field No. 1—A Det. OGMS vs. Signal Det. No. 2, 1800. 32nd Ord. Det. vs. 'B' Det. ABMA, 1930.

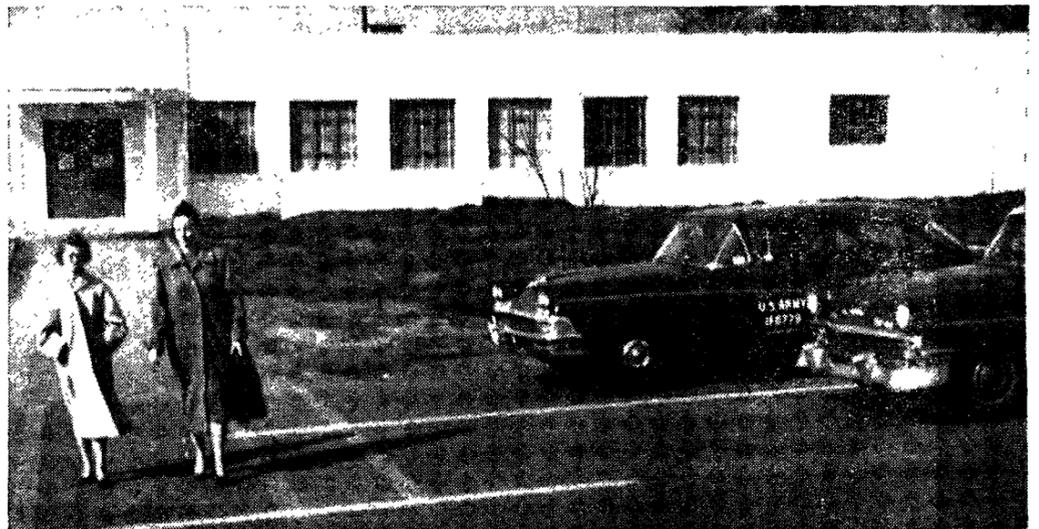
Field No. 2—'A' Det. ARGMA vs. Lt. Gross Mixed, 1800. 3rd ETD vs. 864th Air Force, 1930.

### RSA MIXED BOWLING LEAGUE

(As of 20 April)

	Won	Lost
Peapickers	159½	83½
Bombers	151	92
Hi-Counts	138½	104½
Pindroppers	119	124
Bowlweevils	109½	133½
D-Yanks	104½	138½
Blindmice	103	140
Holyrollers	88	155

200 Games, Men; Middleton



**THE RIGHT (OF) WAY**—This picture of Grace Jones and Marian Armstrong, Adjutant's Office, ARGMA, making use of a marked pedestrian cross-walk and drivers who are yielding right-of-way was submitted by the RSA Safety Division as a reminder of post traffic regulations. Several near-accidents have occurred in recent weeks, Safety officials point out, when drivers failed to recognize the rights of pedestrians who had entered cross-walks. A courteous act is always appreciated and perhaps might prevent a serious accident, they add.

## INCENTIVE AWARDS

Outstanding performance Ratings and Sustained Superior Performance Awards have recently been awarded to the following personnel at Redstone Arsenal, it was announced by the Redstone Incentive Awards Office:

Outstanding Performance Ratings — Mrs. Barbara V. H. Atkins, Clerk, Stenographer, Judge Advocate General's Office, AOMC; Nimrod J. Hall, Supply Req. & Dist. Officer, Fld. Svc. Div., ARGMA; Mrs. Mary R. Womac, Clerk, Stenographer, Fld. Svc. Div., ARGMA; Thomas A. Childress, Supply Req. & Dist. Officer, Fld. Svc. Div., ARGMA; Dr. Burton S. Shook, Medical Officer, Post Surgeon, RSA; Wilbur E. Albright, Director, Safety Office, RSA; Dr. Gilford G. Quarles, Chief Scientist, Office of the CG, AOMC; Dr. Walter Haeussermann, Director, G & C Lab, ABMA; Dr. Ernst D. Geissler, Director, Aeroballistics Lab, ABMA; George W. Mincher, Welder Leader, F & A E Lab, ABMA; and Albert O. Frye, Ch., Training Sup. Sec., Oper. Br., Training Division, ABMA.

Sustained Superior Performance Awards — Lynn G. Barnes, Digital Computer Programmer, FSD, ARGMA; Hall, Mrs. Womac, Harold W. Capley, Supply Requirements Officer, FSD, ARGMA; Mary S. Mann, Clerk Typist, Depot Div., RSA; Howard S. Maples, Industrial Instrument Repairer, Post Engineer, RSA; Dewey H. Smith, Operating Engineer, Post Engineer, RSA; Luther F. Adams, Ch., Employee Utilization Branch, Civ. Personnel, RSA; Calvin L. Michael, Foreman, Operating Svc. Ofc., ABMA; Martha M. Hobbs, Clerk, OGMS; Dr. Quarles, Fay A. Gezik, Secretary, AC-S for MA & T, AOMC; Emery L. Atkins, Ch., Operations Research Div., AC-S for MA & T, AOMC; Linda E. Neel, Clerk Stenographer, Con. Supply, RSA; Bill Gipson, Auto-

motive Equip. Inspector, Fld. Maint., RSA; Corbin A. Smith, GM Ground Handling Equip. Insp., Fld. Maint., RSA; Mary I. Bevis, Supv. Supply Clerk, Adm. Div., RSA; Raymond D. Carrozza, Training Instructor, OGMS; John White, Ch., Anti-Missile System, Ind. Div., ARGMA; Jack R. Bailey, Supply Requirements Officer, Fld. Svc. Div., ARGMA; Dr. Haeussermann, Dr. Geissler, Barbara T. Hawkins, Clerk Stenographer, Control Ofc., ABMA; Fred W. Kelley, Ch., Electrical Engineering Unit, G & C Lab, ABMA; Mincher, Robert C. Martin, Ch. Stabilizer System R&D Unit, G & C Lab, ABMA; and

## Student Council Group Tours Arsenal

Some 540 members of the Alabama Association of Student Councils, attending the 11th annual convention of the group in Huntsville, Friday were guests at the Arsenal for a tour of the installation.

Richard F. Taylor, Ch., Fuselage & Fixtures Unit, F & A E Lab, ABMA.

Special Act of Service Awards — Mrs. Josephine V. Hall, Military Defense Asst. Prog. Ofcr., Fld. Svc. Div., ARGMA; Paul K. Schaeppi, Chief, Technical Staff, Ind. Div., ARGMA; and Joseph M. Jones, Public Information office, AOMC.

## QUIZ

- Eddie Arcaro held the record for the most stakes wins in a single racing season until 1957, when it was broken by another jockey. Can you give his name?
- The site of the 1960 Olympic Games will be (A) Chicago, (B) Rome, (C) Copenhagen, (D) Berlin, (E) Athens.
- What two major league baseball players have come closest to breaking Babe Ruth's record of 60 home runs for one season?
- Last to win the U.S. amateur singles tennis title two years in a row was (A) Tony Trabert, (B) Frank Sedgman, (C) Pancho Gonzales.
- Name the horse racing stable with the highest earnings in 1958.

(Answers to Quiz)

- Willie Hartack.
- Rome
- Jimmy Foxx of the Philadelphia Athletics in 1932 and Hank Greenberg of Detroit in 1938, each hitting 58 homers.
- Frank Sedgman in 1951 and '52.
- Calumet Farms with \$946,262.

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**OTC COMMANDER VISITS**—Brig. Gen. George White, center, is shown in conference with staff officers of the Army Ballistic Missile Agency during a two-day visit at Redstone Arsenal last week. Gen. White is the Commander of the Ordnance Training Command at Aberdeen Proving Ground, Md. From left to right are Col. Charles J. Payne, Director of Training Division, ABMA; Gen. White and Col. Thurston T. Paul, Deputy Commander, ABMA.



**SAVED BY A SHOE**—SFC Herman C. Taylor, of the Unit Training Center, OGMS, knows the value of wearing safety shoes. Recently, while unloading a missile launcher operating unit from a truck, the equipment slipped and fell on the toe of Taylor's safety shoe which saved his foot from serious injury. He points to the gash in his shoe made by the 600-pound unit.

**THE POST LIBRARY**  
BY ANNA L. FARRAR  
Librarian

The Post Library, Bl. 3711, extends a warm invitation to all military personnel and their dependents to use its facilities. Among the new books available for circulation now are the following:

- Mary Astor, "My Story."
- Ludwig Bemelmans, "My Life in Art."
- Nathaniel Benchley, "One to Grow On."
- Ben Benson, "The End of Violence."
- John Bentley, "Great American Automobiles."
- Erik Bergaust, "Rocket to the Moon."
- Herbert Block, "Herblock's Special for Today."
- Walter Bowie, "I Believe in Jesus Christ."
- Thomas Boyd, "Professional Amateur."
- Hugh Braun, "The Restoration of Old Houses."
- Emily Bronte, "Wuthering Heights."
- Freda Buchanan, "The Land and People of Scotland" (Juvenile).
- Olive Burt, "The Ringling Brothers." (Juvenile)
- Polly Cameron, "The Dog Who Grew too Much." (Juvenile)
- Albert Camus, "The Stranger."
- Carl Carmer, "A Cavalcade of Young Americans." (Juvenile)
- Hodding Carter, "The Angry Scar."
- "A Catholic Dictionary."
- John Christopher, "No Blade of Grass."
- Ella Clark, "Indian Legends of the Pacific Northwest."
- John Cole, "Germany, My Host."
- Alice Colver, "Where Goes the Heart?"

- Leonard Cottrell, "The Bull of Minos."
- Alice Dalgliesh, "America Begins." (Juvenile)
- George Daniels, "How to Build or Remodel Your House."
- Andre Devigny, "A Man Escaped."
- David Dietz, "All About Satellites and Space Ships." (Juvenile)
- Jeanette Eaton, "America's Own Mark Twain." (Juvenile)
- Esquire, "Esquire Cartoon Album."
- Eleanor Farjeon, "Jim at the Corner." (Juvenile)
- William Faulkner, "Intruder in the Dust."
- Aylesa Forsee, "American Women Who Scored Firsts." (Juvenile)
- Madge Garland, "The Changing Face of Beauty."
- Waveney Girvan, "Flying Saucers and Common Sense."
- Sheilah Graham, "Beloved Infidel."
- Rene Guerdan, "Byzantium: Its Triumphs and Tragedy."
- Edward Hamilton, "Golfing America."
- Cyril Hancock, "Rod in Hand."
- Desider Holisher, "The Synagogue and Its People."
- James Horan, "Mathew Brady, Historian With a Camera."
- M. Howey, "The Horse in Magic and Myth."
- "International Automobile Parade."
- Yvonne Kapp, "Short Stories of Russia Today."
- Alfred Kazin, "F. Scott Fitzgerald: The Man and His Work."
- George Kennan, "Russia, the Atom and the West."
- Jacques Laurent, "Clotilde."
- Annedore Leber, "Conscience in Revolt."
- Lois Lenski, "Little Sioux Girl." (Juvenile)
- Maurice Levaillant, "The Passionate Exiles."
- Walter Lippmann, "The Communist World and Ours."
- Frances Lockridge, "The Innocent House."

- Laurence Ludovici, "Nobel Prize Winners."
- William McKean, "Ribbon Creek."
- "Making Model Ships."
- Princess Marie Louise, "My Memories of Six Reigns."
- Andrew Marlow, "Fine Furniture for the Amateur Cabinet-maker."
- Ralph Moody, "Geronimo, Wolf of the Warpath." (Juvenile)
- Boris Morros, "My Ten Years as a Counterspy."
- Dianah Mulock, "The Little Lame Prince." (Juvenile)
- Mary McCarthy, "A Charmed Life."
- Sterling North, "Young Thomas Edison." (Juvenile)
- John O'Hara, "From The Terrace."
- "Opera Annual, No. 4."
- Alfred Perles, "Great True Spy Adventures."
- Maud Petersham, "The Peppernuts." (Juvenile)
- Anna Pistorius, "What Dinosaur Is It?" (Juvenile)
- "The Radio Amateur's Handbook."
- Ayn Rand, "We the Living."
- Russell Reeder, "The West Point Story."
- Gustav Regler, "A Land Bewitched."
- Fred Reinfeld, "Complete Book of Chess Stratagems."
- Hyman Rickover, "Education and Freedom."
- Theodore Roosevelt, "Autobiography."
- Neil P. Ruzic, "There's Adventure in Meteorology."
- Paul Samuelson, "Economics."
- Earl Schneider, "Complete Guide to Tropical Fishes."
- Ernest T. Seton, "The Biography of a Grizzly." (Juvenile)
- Lisa Sheridan, "From Cabbages to Kings."
- "Shirley Temple's Storybook."
- Frank Slater, "Oil Painting for Everyone."
- Frank Slaughter, "The Thorn of Arimathea."
- Asbury Smith, "The Twelve Christ Chose."
- Francis Smythe, "Mountains in Colour."
- Ralph Sockman, "Man's First

- Love."
- Laurens, Van der Post, "The Lost World of the Kalahari."
- Bernard Wall, "Italian Art, Life, and Landscape."
- Edward Weeks, "Letters Analyzed and Spaced."
- Bell Wiley, "The Life of Billy Yank, the Common Soldier of the Union."
- Ellen Wilson, "Annie Oakley, Little Sure Shot." (Juvenile)
- Frank L. Wright, "An American Architecture."
- Frank L. Wright, "The Natural House."

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She: "I wear it to teas."  
He: "Whom?"

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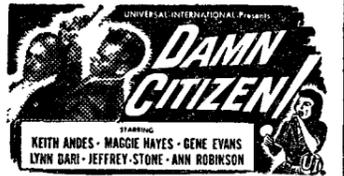
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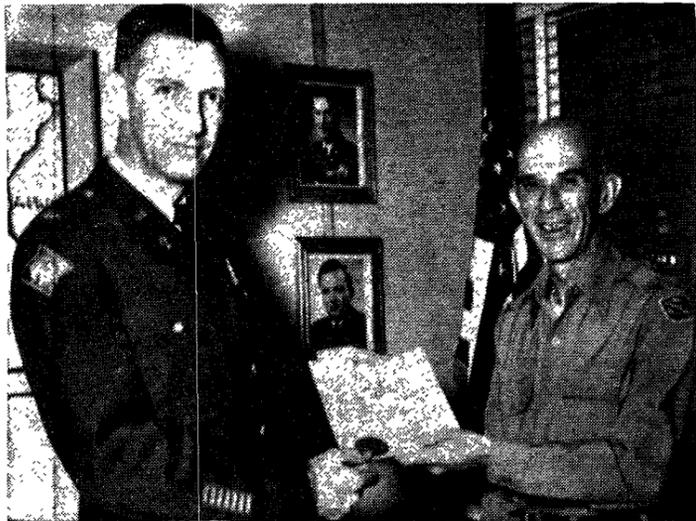
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LT. COL. CURTIS L. FERRELL, JR. (left), recently received the Army Commendation Ribbon with Metal Pendant for meritorious service at his previous assignment as Chief of the Technical Materials and Equipment Branch, Operating Services Office, Army Ballistic Missile Agency, from Feb. 21, 1957 through Jan. 11, 1958. Col. Ferrell is now Deputy Chief, Atlantic Missile Range, Army Field Office, Patrick Air Force Base, Fla. Making the presentation in photo above is Col. James D. Sams, Chief, AMRAFO.



THE ARMY'S "MECHANICAL MULE," one of the military developments featured recently in "This Is the Army, 1959" exhibit at Pizitz Department Store, Birmingham, unstubbornly rolls along in Fairfield's (Ala.) "Salute to the Men of Steel" parade. Driven by SP4 Bert W. Hill of Redstone Arsenal, the versatile, four-cylinder vehicle, mounted with a 106mm recoilless rifle, also has room for two passengers. Advances in the Army's technical services was the theme of "This Is the Army, 1959" and the "Mule" demonstrated the Army's versatility to spectators at the steel celebration.

### Grandson of ABMA Employee Saves Mom From Death in Fire

The eight-year-old grandson of Isaac Whitson, Guidance and Control Lab, ABMA, has been recommended by the governor of Georgia for receipt of a U. S. government hero's medal for

saving the youngster's mother from burning to death.

The recommendation for the boy, Guy Sterling, whose father is a soldier at Ft. Gordon, Ga., has been submitted to the Youth American Medals Committee.

In a recent near-tragic accident, Guy's mother's clothing caught fire while she was cooking. Badly frightened, she started to run outdoors. Guy remembered

his fire safety lessons at school, forced his mother to lie down, wrapped a floor rug around her, and smothered the flames.

### Operation Blonde



### STUFFY



### HAWK DESTROYS TARGET MISSILE

The Hawk interceptor missile recently tracked down and destroyed the fastest target missile in the U. S. Army missile arsenal, the Kingfisher.

The brief battle at White Sands Missile Range, N. M., began as the vapor of the "enemy" Kingfisher was sighted and the Hawk was launched to seek out and destroy the invader. The explosive-armed Hawk scored a direct hit on the target missile. There was a flash of flame, a puff of smoke, and the fragmentation of the two missiles.

This was actually the second meeting between the 17-foot Hawk and the 38-foot Kingfisher. In the first encounter, the Hawk did not directly strike the speedy target missile but streaked to within kill distance.

#### Even Contest

Heretofore, the Hawk had easily knocked down slower moving World War II planes and drones in previous tests. The Kingfisher, the nation's speediest target missile, has been the only adversary thus far to offer an even-sided contest.

The Hawk, built by Raytheon as prime contractor with Northrop Aircraft as a major subcontractor under technical cognizance of the Army Rocket and Guided Missile agency, is designed to destroy air attackers by means of a radar "homing" system that locks on the target.

The Kingfishers have now chalked up five "hot firing" flights against advanced interceptor missiles—two Nike Hercules, two Hawks, and one Talos. In four of the five flights, the Kingfisher was recovered via parachutes and landing spike to fly again. In the

fifth, the armed Hawk was launched with orders to kill.

#### Highly Successful

All five flights have been highly successful in their objectives, the Army reported.

The Kingfisher, equipped with extensive instrumentation, makes it possible to realistically test the newest defensive weapons as they are developed.

The Kingfisher is launched from a B-50 plane several miles in the air. After a free-fall drop, the target missile is propelled by rocket boosters to a speed that permitted its Marquardt ramjet engine to take over.

Racing across the New Mexico sky, the Kingfisher is picked up by ground radar screens which signal the firing of the interceptor missile by an anti-aircraft ground battery.

### LT. DRAKE PROMOTED

First Lieutenant Speros N. Drake was recently promoted to his present rank in a ceremony in the office of Maj. Gen. J. B. Medaris, AOMC Commanding General. Lt. Drake is a project officer in the AOMC Control Office.

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## 'Glimpses of Ante-Bellum Huntsville' Tour Set For Enlisted Men, Guests by Special Services

BY MISS MARTY GATES  
Special Services Office

All you enlisted men ready to make the tour of Huntsville on Sunday, May 3, at 1400 hours? Say you haven't signed up yet! Your signature is the key for you participating in the breakfast at the Service Club, dinner at the Mess Hall with the Birmingham hostesses, a tour of Huntsville's most beautiful homes, a buffet supper, and a dance at the Service Club. We still have many spaces, so see us at the Service Club Office this week about making the TOUR. All girls, even if you aren't members of the Junior Hostess group, are invited to participate in the tour.

A historical site to be visited on the tour will be the Episcopal Church, the Church of the Nativity. In July, 1860, this church was to be seized by Union soldiers and used for a stable. When the forces arrived to take possession, it was brought to an abrupt halt before the door. Above the door were inscribed on the marble slab the words: "Reverence My Sanctuary." When this was reported to the commanding officer, he ordered that the church be not

molested. The church was ordered closed and the rector ordered to cross the river and remain within the Confederate lines. In 1886 the present chapel was completed—a present from Mrs. Wilson Cary Bibb as a memorial to her husband, Wilson Cary Bibb. The Rev. Emile Joffrion is the present rector of this church.

Another place of interest we'll visit is the Milton Cummings' home located on Adams Ave., a spacious 16-room mansion. This home was built by the James L. Watkins family in the 1850's. Choice pieces of cedar, chestnut, and walnut lumber are used in the building. Two spiral stairways lead to the second floor and one leads to the tower built by Charles Bell from Charlottesville, Va. Beneath the parlor at the southeast corner a very fine wine cellar was built.

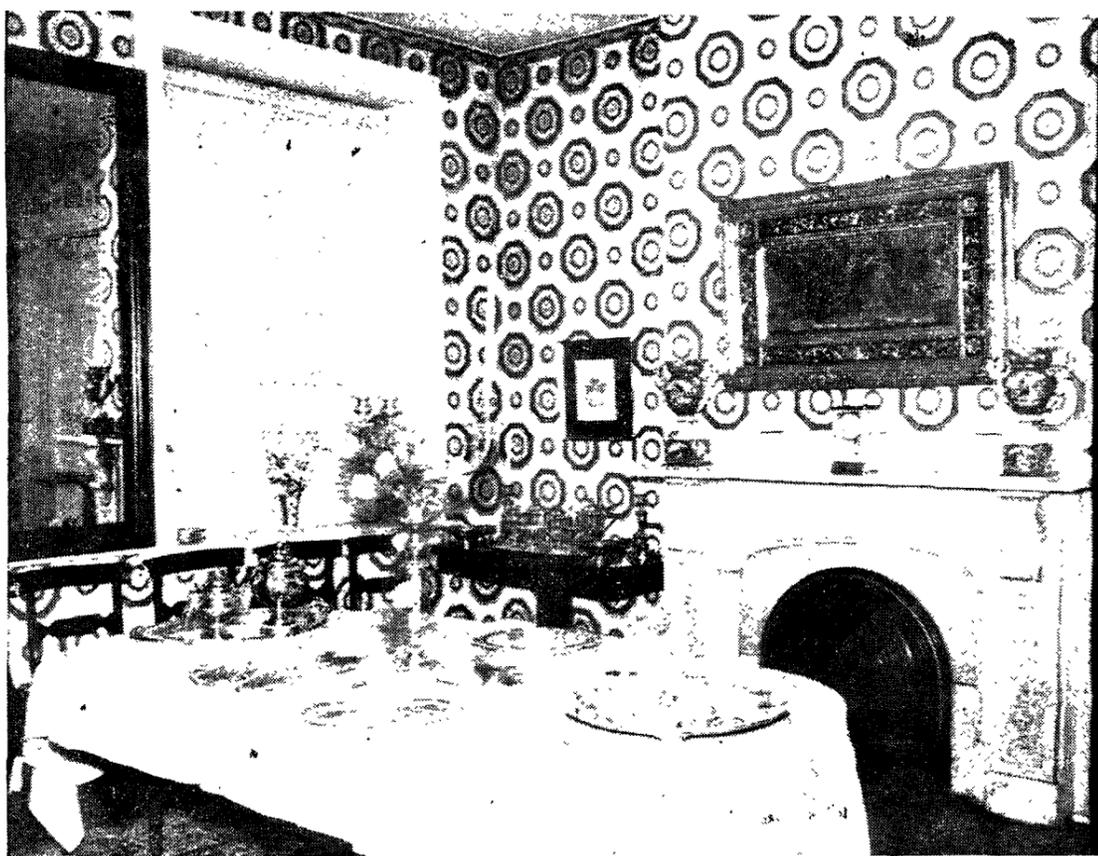
During the War Between the States this home was General Logan's headquarters. After the war the property was acquired by Samuel H. Moore, owner of several plantations. After returning from Chicago in 1892, where he had taken his prize cow, Lily Flagg, he decided to give a reception honoring the cow which had been pronounced the world's greatest producer of butter. Formal invitations were issued to prominent persons as far away as Chicago and San Francisco. One of the original invitations has been framed by the Cummings family and can be found on the table in the main entrance hall.

The third place we'll visit will be the Pope - Echols - Spragins - Watts home. Colonel LeRoy Pope, pioneer Huntsvillian, chose the highest hill overlooking Huntsville as the site of his home. This home was designed and built around 1815 by George Steele, a fine local architect. Bricks for the structure were brought from Tennessee by way of the Tennessee River to Datto's Landing and then by wagon to Huntsville. The original hard pine floors of varying widths are still sound and beautiful. The staircase, which is paneled, bears a delicate reeding in the Adams manner and the cherry rail is minutely inlaid at the newel. The present owner of the home, Mrs. Susan Spragins Watts, is the granddaughter of Dr. Charles Hayes Patton. Dr. Patton bought the home in 1858 from the grandson of Colonel Pope.

A guide will be on each bus to explain other points of historical



FEATURE OF SERVICE CLUB TOUR—The stately J. F. Watts home (shown above) on Echols Avenue in Huntsville will be a highlight of the "Glimpses of Ante-Bellum Huntsville" tour for Arsenal enlisted men and guests Sunday, May 3, under sponsorship of the Special Services Office. This home was once owned by Colonel LeRoy Pope, pioneer Huntsville settler, back in 1815. In photo below, graciously appointed dining room of Watts home is pictured.



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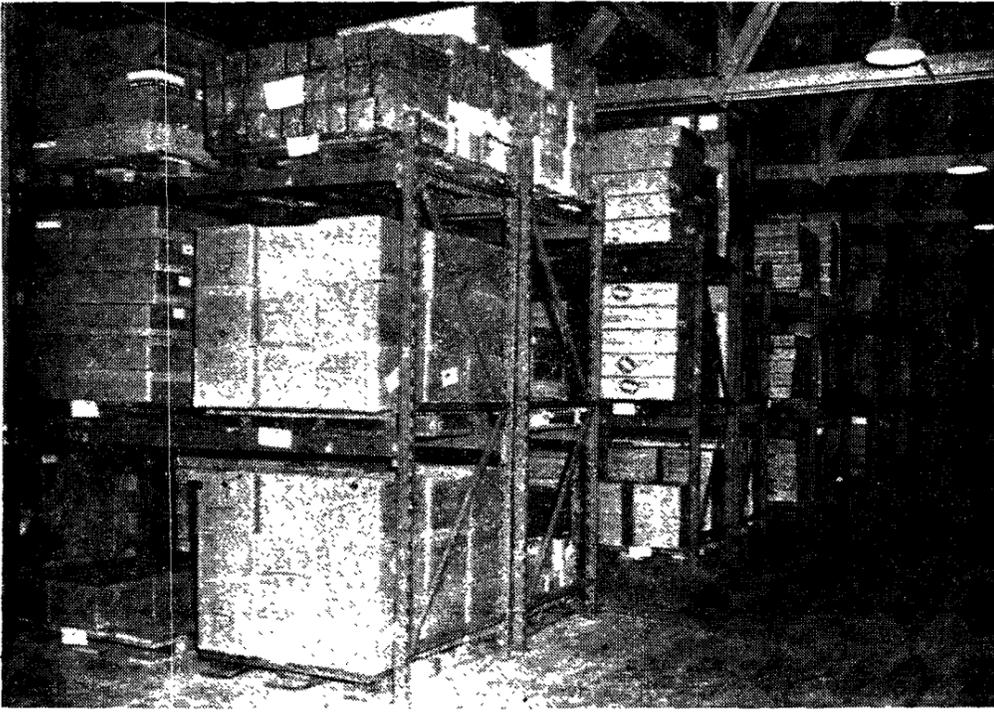
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AN EXAMPLE OF 'GOOD HOUSEKEEPING'—This typical view of storage conditions in Redstone Arsenal's Consolidated Supply Division warehouses, reports the RSA Safety Division, provides a prime example of the kind of "good housekeeping" being aimed at installation-wide during the current "Good Housekeeping" campaign. Above-pictured warehouse is under supervision of John Bailey, Chief Warehouseman.

**'GOOD HOUSEKEEPING' JINGLES**

(Editor's note: It's not only Spring that brings out the poet in people. So too, apparently, does the "Good Housekeeping" Campaign currently under way on the Arsenal—as witness the following rhymes submitted to The Rocket by Capt. Gerald G. Jones, RSA Billeting Officer.

**GOOD HOUSEKEEPING JINGLES**

**I**  
Pick up your paper  
And packing and such.  
Don't let it burn;  
It will get you in dunch.

**II**  
Clean up the gas  
And liquids that burn.  
One careless moment  
May let death take a turn.

**III**  
Cigarettes, cigars,  
A pipeful of ash,  
May turn a building  
Into a pile of trash.

**IV**  
On all of those trash cans  
Keep the lids tight.  
Don't let your junk  
Make your area a sight.

**V**  
Keep those combustibles  
Away from things hot—  
Electric, steam, gas,  
And the rest of the lot.

**VI**  
Clean vents and hoods,  
If you please;  
Get out the dust,  
Dirt, and grease.

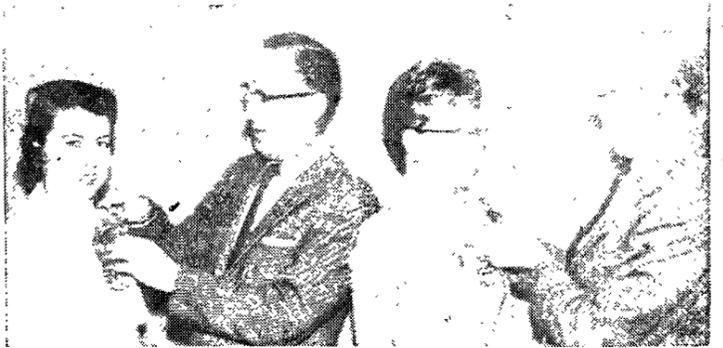
**VII**  
When burning brush,  
Weeds, grass, and trash,

Burn with care;  
Don't be an ash.

**VIII**  
Those oily rags  
Are dynamite,  
So keep those lids  
Pressed on tight.

**IX**  
Flammable liquids,  
Paints, thinner, and oils  
Should be protected  
Ere the country side boils.

**X**  
A good housekeeping drive  
Is good once in a while—  
Good housekeeping all year  
Will cause all to smile.



**CORSAGES FOR SECRETARIES**—Receiving corsages from their bosses on National Secretaries Day last Wednesday are Mrs. Mary Lynn Goodwin, (left) secretary to Stuart H. Jones, Deputy Director of Civilian Personnel, AOMC, and Mrs. Pally Williams, secretary to Robert F. Mello, Director of Civilian Personnel, AOMC. Last week was National Secretaries Week.



**AND MORE CORSAGES**—Among other proud secretaries who received corsages from their supervisors during "National Secretaries Week" were (left to right) Mrs. Dorothy Shaw, Mrs. Ruth Anderson, Mrs. Carolyn Harper, and Mrs. Dianne Guginsky, of Review Division, AOMC Control Office.

Automobile - bicycle collisions during 1958 injured 59,300 persons. Drivers under 25 years of age were involved in 27 per cent of the fatal accidents in 1958.



MAJ. FRANK F. LONG, (right), is shown receiving the Air Force Commendation Medal from Col. William C. Erlenbusch, Commander of the 864th Strategic Missile Squadron (IRBM-Jupiter) (SAC). The Unit is currently undergoing training with the Jupiter IRBM missile at Redstone Arsenal. Award of the medal was based on meritorious achievement during 1958 while Maj. Long served as Chief of Maintenance for the 864th.

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## DESERT MISSILE RANGE SOLDIERS BUILD UNIQUE CHAPEL FROM SCRAP

FORT BLISS, Tex. When soldiers at remote Red Canyon Range Camp found they were ineligible for an official chapel, they built one with their own hands from salvage and scrap material that even included the doors of a county jail where Billy the Kid was once imprisoned.

The chapel, just completed, was dedicated earlier in the year by the Army Chief of Chaplains, Major General Patrick J. Ryan, who traveled from Bliss over 165 miles of New Mexico desert in tribute to the medieval-like religious zeal that prompted the men on weekends, holidays and late into the evenings to chip beauti-

ful red rock from nearby mountains and construct braces from the "historic" jail house door.

Because the camp has always been designated as "temporary" since it was first sited on the desert near Carrizozo, N. M., in 1953, it was authorized only three permanent buildings. Religious services had been held in a quonset theater.

This lack of architectural competition does not dampen the pride of the soldiers of the battalion, part of Bliss' First Demolition Brigade, in their handiwork. Though no Gothic cathedral has resulted, they know they have constructed the handsomest building on their lonely Nike guided missile range.

There is probably no other church bell in the world like theirs. It is a rocket booster. The intense heat generated as it propelled a Nike-Ajax antiaircraft missile many miles down range after a drone target has given it a ringing boom.

Wood was also salvaged from missile packing crates, steel from discarded rails of the Southern Pacific line, and the entrance posts are old creosoted telephone poles. Pews and other furnishings, including an organ from Bliss, came from Army chapels that had closed. On a pay day each soldier contributed a dollar for the purchase of shingles.

"This has the heart and soul of you men in it," said Chaplain Ryan at the dedication. "It is a monument to your faith, and means much more than a large and expensive chapel built by congressional appropriation.

Master Sergeant William Seidel of (610 Maryland St.) Fairmount, W. Va., camp engineer, supervised much of the construction. The project had the full cooperation of the camp commander, Lieutenant Colonel John J. McCarthy of (478 N. Washington Ave.) El Dorado, Ark.

After the handsome and popular movie star had walked through the lobby several times, a pretty young girl stopped him and asked: "Are you looking for a particular person?" "Yes," he answered. "Well, I'm very particular!" she replied.



**A GASSER** — Service Station Queen Susan Saunders will reign over the service station exhibits at the "Start Your Own Business Exposition" in New York in March.



**RED EYE** — Soldier operates Lopair, new infra-red chemical warfare detector developed by the Army Chemical Corps and the Farrand Optical Co. Contaminated material as far as a quarter-mile away will set off Lopair's horn and warning light when it crosses the invisible infra-red beam.

**"BORED IN HUNTSVILLE!"**  
YOUNG MAN tall, handsome, single. Owns new car. Seeks companionship of beautiful blonde who inserted ad in recent issue of the REDSTONE ROCKET. Will be delighted to accompany her to DALE'S!

## Religious Services

### POST CHAPEL — Bldg. 3714 PROTESTANT

Sunday — 0945 hours, Sunday School, 1st Session 4th grade through Senior High.

1000 hours — Adult Bible Class in Library of Service Club.

1100 hours — Sunday School, 2nd Session — 3 yrs. of age through 3rd grade.

1100 hours — Morning Worship. The nursery for babies and small children is open during this service.

1830 — Christian Youth Fellowship — Jr. High Young People and Senior High

Wed. — 1800 hrs. — EMCU.

Wednesday — 1845 hours — Chancel Choir rehearsal.

RSA PARK — Sunday, 0945 hours — Sunday school classes.

Morning worship — 1100 hours.

**JEWISH** — Temple B'Nai Sholom (corner of East Clinton and Lincoln)

Friday — 2000 hours — Regular service. O'Neg Shabbot (Sabbath Social) at Temple Annex.

Sunday — 0930 hours — Religious School at Temple Annex.

### CHRISTIAN SCIENCE SERVICES

Sunday — 1100 hours — Held in Huntsville at White St. and Wells Ave. Wednesday evening meetings are held at 1930 hours.

### CATHOLIC

Sunday — 0745, 0845 and 1230 hours—Mass.

1830 — Youth Religion Class in Chaplains Office

**MONDAY** — 1900 hrs. Choir Rehearsal 2000 hours — Convert Class in Chaplain's Office.

**TUESDAY**—1930 hours — Novena in Honor of Miraculous Me-



**DEL MAR PROMOTED**—Lt. Col. Henry Richard Del Mar (right), Chief of AOMC Transportation Office, was recently promoted to his present rank in a ceremony in the office of Maj. Gen. J. B. Medaris, AOMC Commanding General. In photo above, Gen. Medaris pins outside oak leaves on the new lieutenant colonel. A much-decorated infantryman of World War II, Col. Del Mar holds three Bronze Star Medals and the Purple Heart with two clusters.

### Maj. Phillips Gets Commendation

Maj. John R. Phillips, who was AOMC Special Security Officer, recently received Commendation Ribbon with Medal Pendant prior to his departure for a new assignment in Germany. Presentation of the medal was made by Maj. Gen. J. B. Medaris, AOMC Commanding General.

dal.  
Saturday — 1000-1130 hours— Altar Boys Class.  
Catechism classes — 1000-1130 Confessions — 1800-1900 hours  
**DAILY MASS** — 1130 hours.  
**CHAPEL NO. 2** — Sunday — 1100 hours — Mass.

**WASHINGTON**—The Army is negotiating with several universities to give two-year graduate training in astrophysics to specially selected officers.

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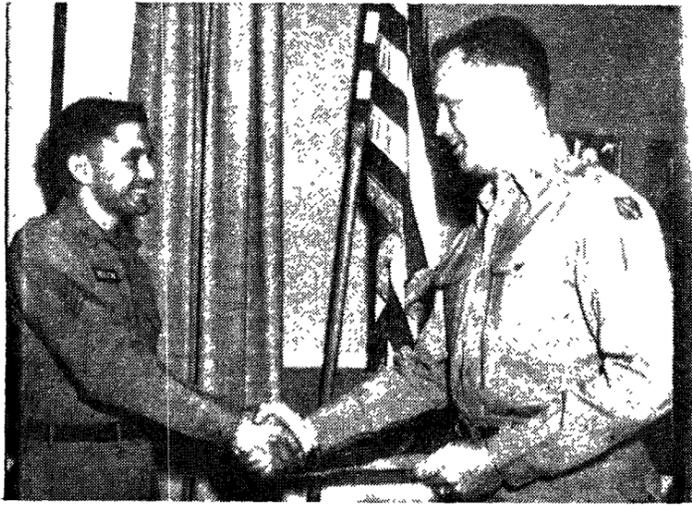
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## Redstone Federal Credit Union

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Redstone Arsenal, Alabama



**SOLDIER OF THE MONTH**—Sgt. Theodore Moreno (left) was recently named "Soldier of the Month" for March at Redstone Arsenal. Shown above congratulating him is Col. K. T. O'Keefe, Redstone Commander. Sgt. Moreno is a member of Signal Detachment No. 2 at the Ordnance Guided Missile School.

## How's Your Know How?

1. "These are the times that try men's souls." Who said it?
  2. How did Tuscon, Ariz., get its name?
  3. Among U.S. Generals MacArthur, Pershing, Marshall, Bradley and Eisenhower, which enjoys unique status?
  4. Why is whisky often called hooch?
  5. There are three types of twins. Can you name them?
- (Answers to Quiz)
1. Thomas Paine, in 1775, in beginning his pamphlet series, "The Crisis."
  2. From the early Indian word "Stookzone," meaning "water at the foot of black hill."
  3. Pershing was the only American ever to hold the rank of General of the Armies.
  4. Hoochino is an Alaskan word for rum, derived from the name of the natives who distilled it.
  5. They are: identical, unlike and Siamese.

## Most New Soldiers In 'Quality Group'

FORT MONROE, Va. — Eighty-eight per cent of the men enlisted or inducted in the Army today are from America's upper or middle "quality" group, General Bruce C. Clarke, Commanding General of the United States Continental Army Command, revealed here recently.

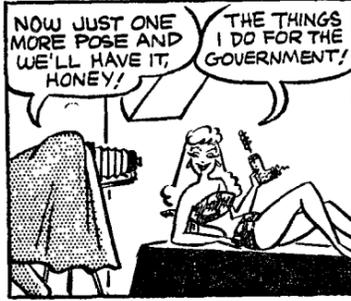
According to the General, men of military age in America fall into three groups, based on their percentile scores on the Armed Forces Qualification Test: Thirty-five per cent are in the upper third, thirty per cent are in the lower third, and the remainder are in the middle third.

He explained that, since last November 1, the Army has enlisted and inducted personnel by per cent in the groups as follows:

- Upper Third — 45 per cent
- Middle Third — 43 percent
- Lower Third — 12 per cent

"The elimination of many marginal personnel, in the lower group," General Clarke said, "facilitates training."

## OPERATION BLONDE



## SERGEANT'S HOBBY LEADS TO TESTING OF SLED DOGS FOR ALASKAN MISSIONS

FORT RICHARDSON, Alaska—Master Sergeant Orville E. Lee is never sure how many dogs he has at any given moment — the count has gone as high as 96 — but he is certain that 20 of them have been on temporary duty with the Army this winter.

Lee convinced the post operations section to which he is assigned that tests should be made of dog teams in rescue work, in reconnaissance during field problems, and in supplying patrols and other units.

The result is a growing folder of trip tickets and canine statistics, and considerable evidence that the dogs can go where vehicles sometimes can't, in weather that grounds airplanes, to places where helicopters can't land.

With only one Army dog team in the Territory, stationed above the Alaskan Range, Lee's dogs are the only teams available to the Army in the Fort Richardson area. A sled is always ready for rescue operations.

Lee tries to run each dog daily. Hence the "trip tickets" and such statistics for each dog as mileage run, performance during various periods of the run, and individual skill working in lead, swing or wheel positions. Findings at season's end will be evaluated and presented to higher headquarters.

Five dogs logged more than 1500 miles in less than four months. Teams may travel as far as 35 miles a day when on a mission. On one resupply trip a team pulled 1400 pounds, plus 165 pounds of sled and two men.

"I can make a good sled dog out of just any breed if the dog

is built for it," claims Lee, whose dog training experience goes back to high school days. His own kennel proves the point. One of his best sled dogs is part collie, part chow. Racing dogs, used primarily for rescue and reconnaissance, need weigh but 50 pounds; freighters run 80 to 90 pounds. His favorite dog is a 110-pound

lead freighter who has pulled 1065 pounds in a contest, despite his 10 years (corresponding to age 70 in man). "He's better than a compass," says the sergeant-musher, who often lets Nauk's homing instinct take charge.

Lee's own homing instinct to Portland, Ore., (2752 N.W. Upshurst St.) is none too strong. When he retires from the Army in three years he plans to stay with his kennels outside Anchorage, converting his hobby into a full-time business.

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## This Modern Mother Outranks Son

BAUMHOLDER, Germany — Sergeant First Class George M. Liebel of Eagle, Wis., possesses the dubious distinction among soldiers of being outranked by his mother. She is Master Sergeant Agnes K. Clarkson, first sergeant of the WAC Detachment in Kaiserslautern.

Liebel, with the 8th Infantry Division, has been in the Army since 1950. His mother enlisted in 1943, but this is the first time they have served in the same command although both have had tours of duty in Japan and Korea in addition to assignments in the United States.

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**FOR SALE** — 3 bedroom home in Belmont Subdivision in Athens, Ala., tile bath, carport, concrete driveway, nicely landscaped, a real bargain. Contact Athens Real Estate and Insurance Co., phone 1181. 4-29p

**FOR SALE** — 1958 36x8 Marlette house trailer w/air conditioner. In excellent condition. Buy \$1,800.00 equity for \$500.00 and assume monthly payments. Call JE 6-5581, ext. 436, from 8:00 to 4:30, or see at Lot 601, Paradise Park. 4-28p

**FOR SALE** — gas range deluxe 36" 4 burner plus chrome grid, timer, clock, light, disappearing top, excellent condition, \$50. Phone JE 2-5539. 4-28c

**FOR SALE** — McGregor Matched and registered golf Club including 4 woods and irons, 2 through 9 inclusive and a putter. Phone Redstone extension 3933 ask for Farber, or call JE 9-1169. 5-6-c

**FOR SALE** — Stauffer Home Reducing Couch, one year old, good condition. \$150.00 cash. Redstone extension 4437 - 8:00 - 4:30 or Morgan City, Ala., Hyatt 8-2373. 1.t.p.

**FOR RENT** — practically new brick house, unfurnished, in Shady Lane acres, 1 and 1/2 baths, 2 bedrooms, den. Call Mr. Spicer after 5 p.m. JE 4-7323. 1.t.p.

**FOR SALE** — 1956 Buick Convertible, special, power brakes, padded dash, Blue and White, good top, excellent condition 1300.00, will trade also 55 V-8 Chevrolet motor \$75. Phone Sibley, Ext. 2204. 1.t.p.

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**HOME FOR SALE** — For cool, comfortable suburban living try my 3 bedroom brick ranch, air conditioned, many extras and large lot, equity sale or F. H. A. refinance. George SACHS, Redstone extension 6019 or JE 6-4375 after 5 p.m. 1.t.c.

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**FOR SALE** — Near Arsenal; Private Built Brick, 3 bedrooms, nearly new; venetian blinds included - nice yard - low equity. consider second mortgage 421 ARTHUR ST. N. W. JE 6-3821. 1.t.p.

**FOR SALE** — One bedroom house trailer in good condition. Price \$1200.00 Phone Redstone Arsenal 6284 during duty hrs. 1.t.p.

**FOR SALE** — Level, lakeside lot, 100 x 150 ft. Price \$900.00 Telephone Redstone Arsenal extension 5681 or JE 6-4514. 5-6-p

**FOR SALE** — Pair of MODERN-FOLD foddng doors (partition), 8' high by 12', light neutral tan, paintable, cost \$95, sell \$30, 8 months old, Call 6-7873. 1.t.p.

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**1955 OLDS 88** — \$1185.00. Holiday, 4-dr. hardtop, royal blue with white trim. R&H, new cond. tires. 719 Giles Dr., N. E. JE 6-6220 or Ext. 4000 ABMA. Welch. 1tc

**FOR RENT** — Guest house, three rooms and bath. Electric range and water heater. Unfurnished. Desirable location. \$50 per mo 606 Ferry, Decatur, EL 3-0589 1tp

**FOR SALE** — Mahogany dining room set, Duncan Phyfe extension table with pads, 6 chairs, buffet, china closet, good condition. \$165. Phone JE 6-7295 1tp

**MUST SELL** due to pending transfer. '53 Kaiser Manhattan two-door sedan. Radio, heater, automatic transmission. Will make excellent second car. For bargain call JE 6-4186. 1tp

**FOR SALE** — 3 bedroom house with either 1 1/2 or 5 acres, near lakes, hardwood floors throughout, tile bath, venetian blinds, extra large fireplace, natural mountain spring water. Located 11 miles from Scottsboro on Highway 79 halfway between Scottsboro and Guntersville Y. beautiful view of lakes. Ext 5712. Phone Scottsboro 920-J or JE 6-7096 (after 5 o'clock) 1tp

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**FOR SALE** — '55 Mercury Montclair hardtop, radio, heater, power brakes, Merc-o-matic drive, good w.w. tires. Extra clean. Less than 35,000 actual miles. Reasonably priced. Phone JE 6-9142 after 5 p.m. 1tp

**FOR SALE** — AKC Doberman Pinscher male year old pups. Contact D. Hennis, 1216 Second St., S. W., Decatur, Alabama. Phone EL 3-3303. 1tp



**GOWNIET**—Actress Julie Hopkins, currently a flower girl in the British film "The Doctor's Dilemma," is mighty fetching in her abbreviated sleepwear.

Motor vehicle accidents killed 36,700 and injured 2,825,000 on U.S. highways during 1958.

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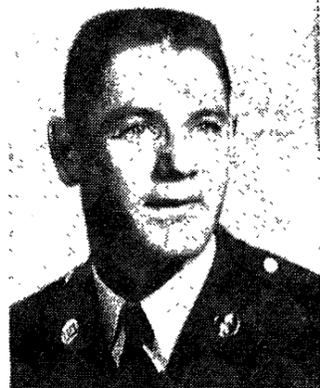
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his supervisor.

Turner is a comparatively new-comer to Redstone Arsenal, having arrived in September, 1958. He received basic training at Fort Jackson, S.C. and was sent direct to Redstone because of his previous experience at Patrick Air Force Base, Fla., where he was reclamation foreman engaged in declassification of missiles and war-making potentials for a period of six years. Turner is a native of Cocoa Beach, Fla., and graduated from high school there.

Off the job he especially enjoys bowling, water skiing, and hunting. Hunting water fowl was his speciality in Florida because of the large number of ducks.



PFC. BILLY J. TURNER

DRIVING RECORD (Government Vehicles (As of 27 April))		
Organization	No. Accidents (1959)	Days Since Last MV Accident
Transportation Div. (RSA)	4	24
Post Engineer Div. (RSA)	8	13
Provost Marshal Div. (RSA)	5	14
Depot Operations (RSA)	3	10
All other RSA	2	34
Thiokol (ARGMA)	3	28
All other ARGMA	3	10
OGMS	9	10
ABMA	4	11



M-SGT. ROBERT P. GIBBS

**Sgt. Robert Gibbs Is 'Safe Supervisor'**

"Safe Supervisor of the Week" selected by the RSA Safety Division is M-Sgt. Robert P. Gibbs, NCO in charge of ration breakdown. Sgt. Gibbs has not had a disabling injury during his past six years of supervision at Redstone.

He has charge of requisition, storage, and issue of all perishable and non-perishable subsistence for the Quartermasters. This includes all food for the mess halls and a large part of groceries from the commissary sales store.

He entered the Army in 1940 at Fort McCellan, Ala., and was assigned to Fort Benning, Ga. He served with the Second Armored Division, commonly referred to as "Hell on Wheels" which was organized by the late General George Patton. He served three years in the European and African Theatres and six years in Japan. He received a Purple Heart with Oak Leaf Cluster and Bronze Star.

Sgt. Gibbs is a native Alabamian, born at Woodville in Jackson County. He now lives in Huntsville at 2910 Azalia Circle with his wife, the former Mary Allen of Dutton, Ala., and their four children, Janice, 10, Richard, 9, Stan, 4, and Douglas, 1. Janice and Richard were born in Japan. Sgt. Gibbs loves the out-of-

**Pfc. Billy J. Turner 'Safe Worker'**

"Safe Worker of the Week" is Pfc. Billy J. Turner, Supply Clerk, Det. B, ABMA. Turner was selected by the RSA Safety Division after being recommended by

doors. He spends his leisure time birdhunting and fishing. He applies the safety he has learned on the job while participating in these sports. He says at times each of these can be as hazardous as combat.

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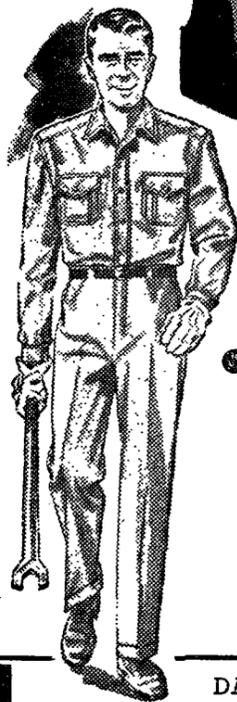
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PLASTIC RAINCOATS — \$3.95



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