

Soldiers Now Undergo Physical, Mental Tests

Several days of physical and psychological testing lie ahead for 50 Redstone Arsenal soldiers who voluntarily spent 48 hours in an ammunition bunker to test it as a possible fallout shelter.

The test period ended Friday afternoon when the men, unshaven but otherwise in good physical condition, emerged from the 80-foot-long structure which at one time was used to store ammunition.

They entered the storage bunker—or "igloo," as it is called on the Arsenal—Wednesday afternoon during a passive defense drill. Another part of the drill was the evacuation of some 1,600 troops into the igloo area of Redstone Arsenal, where 300 of the bunkers are located.

Now, for the next several days, the men will be studied by medical specialists of the Army Missile

Command to determine if 48-hours of isolation and subsistence on C-rations had any marked effect.

The igloo in which the men stayed was 26 feet wide and had a 12 foot high concave ceiling. During their stay, the volunteers operated manual blowers to provide their air supply.

Among the volunteers were a medical unit and a CBR (chemical-bacteriological-radiation) team.

A check of the group was made every four hours throughout the two-day isolation period.

The volunteers were evenly divided between personnel from the Army Missile Support Command's troop command and personnel from the Ordnance Guided Missile School.

Before they entered the igloo, the men were told by Col. Thomas W. Cooke, AMSC commander: "The (See SOLDIERS on Page 8)



IN WE GO MEN—Col. T. W. Cooke, Commander, Army Missile Support Command stands by as 50 volunteer troops from his command and from Ordnance Guided Missile School file into a fall-out shelter as part of a Passive Defense Measures test on Redstone Arsenal. The shelter was converted from one of 300 old ammunition bunkers located on the Arsenal. This part of the test lasted for 48 hours.

Navy Man Earns Scholastic Honor

A Navy man sailed away with one of the Army's highest academic awards at the Ordnance Guided Missile School Sept. 21.

Petty Officer William F. Walsh, 33, of 5 Highland Park, Peabody, Mass., won the outstanding student award of the Association of the U. S. Army for averaging 96 in a difficult course on the Hawk air defense missile. The weapon was developed by the Army and adopted by other branches of the U. S. forces and several Allied nations.

Walsh received the award from Roy D. Hickman, of Birmingham, who is Alabama's civilian aide to the Secretary of the Army. Hickman spoke to 49 graduates at the Redstone Arsenal Theater.

Sharing honors with Walsh was Army Private John L. Duncan, 23, of 135 North Elmwood St., Topeka, Kansas. He scored 96.1 in a course on maintenance of guidance systems of ballistic missiles.

The award has been won by only 38 of the Missile School's 28,000 graduates since 1952.

Target Test At Low Level Is Successful

WHITE SANDS MISSILE RANGE, N. MEX., Sept. 18 — The U. S. Army announced its new Redhead/Roadrunner target missile, currently undergoing testing, successfully completed its first low level flight here last week.

Development of the versatile missile is under the technical supervision of the Army Missile Command, Redstone Arsenal, Ala.

The missile, designed and built by North American Aviation's Columbus Division, flew at an altitude of about 500 feet, meeting another in its series of prescribed missions in the test program, the Army said.

It is designed to fly at altitudes from 300 to 60,000 feet. On high level missions it will travel at Mach 2 speeds—twice as fast as sound.

The Redhead/Roadrunner has (See REDHEAD on Page 3)

The Redstone Rocket

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REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

SEPTEMBER 26, 1962



COL. VAN WERT

Col. Van Wert Named Director

Col. Robert W. Van Wert, a veteran of 21 years' service with the U. S. Army, has been named Director of the Directorate of Supply and Maintenance, Army Missile Command.

Col. Van Wert has served as Deputy Director since December, 1961.

A native of Kenil, N. J., he enlisted in the Army in 1941. After obtaining the rank of Sergeant, he was selected for OCS and was graduated as second lieutenant of Ordnance. During World War II he saw action in the South Pacific with the 1st Cavalry Division. He was awarded the Bronze Star with Oak Leaf Cluster.

He came to the Army Rocket and Guided Missile Agency as Director of Field Service Operations from Erie Ordnance Depot where he was Director of Supply Operations.

(See VAN WERT on Page 3)

Rockets Are Ready To Go To Alabama's State Fair

The U. S. Army's missile and rocket might will be on view before thousands of visitors to the Alabama State Fair in Birmingham Oct. 1-7.

The U. S. Army Missile Command at Redstone Arsenal will provide Fair goers with one of the largest, most colorful missile and rocket exhibits in the history of the Alabama State Fair.

The giant display of missiles, rockets and exhibits demonstrating scientific research and development will tell the story of Army progress in its share of American and Free World defense. Also, vis-

itors to the Fair will get a firsthand look at the latest man-portable missile and rocket weapons being developed for use by the Soldier in close-quarters combat.

Some 50 exhibits showing everything from the Army's Nike Zeus anti-missile missile to the M-72 hip pocket sized rocket and individual scientific displays will make up the attraction.

Among the displays will be several audience participation exhibits which will permit wouldbe rocketeers to test their skills in the missile field.

The Army's missile and rocket display will be located in the new section of the State Fair administration building. Full scale missiles will be displayed outside in front of the administration building.

The Army Ordnance Guided Missile School periodically will show how the latest techniques are used at the Free World's largest, most modern missile academy to teach U. S. and allied soldiers how to keep operational missiles and rockets ready to go at all times.

The Ordnance Guided Missile School graduates more than 5,000 students of the Army, Air Force, Navy, Marines and 14 foreign na-

Auto Insurance

The Provost Marshal is reiterating a statement from the Daily bulletin which reminds all motorists that insurance proof must be in the possession of the operator at all times.

He has advised owners to keep insurance policies in their cars. Some of the information that needs to be shown on request of a traffic officer includes the expiration date of the policy, the coverage, the vehicle and the owner.

OUR 'NEW LOOK'

A newspaper is much like a blond who suddenly comes out of the beauty shop with shiny black hair: the change is readily apparent.

In the case of The Redstone Rocket, you have probably noted a few changes made during the past few weeks in general appearance of internal pages. Today, however, you have no difficulty seeing the change in our nameplate on this page.

The various changes have been intended to give you a more readable newspaper, with a more attractive appearance and with a greater variety of news coverage. As you will see during future issues, the new nameplate will give the editor a greater latitude in page make-up. We have in mind other changes in typography as we go along.

As with the lady with new hair color, your Redstone Rocket comes out today a little timidly, but with high hopes that the "new look" will meet general approval of its readers.

(ps: we are always open for constructive suggestions).

tions annually.

Soldiers engaged in missile and rocket activities at Redstone Arsenal will be on hand to answer questions from curious visitors.

Special Assistants Give 102.1 Per Cent To UGF

Early Drive Returns Prove Encouraging

Early returns in this year's annual United Givers Fund drive are encouraging.

Setting a fast pace, Maj. Gen. Francis J. McMorrow, drive chairman, announced that his office and those of his special assistants are over the top with 102.1 per cent of their goal.

The goal of this year's drive is 80 per cent of one day's pay for each employe at Redstone Arsenal, with 100 per cent participation.

The General's report was issued in advance of the first formal reports on the contributions which will be presented Thursday to General McMorrow.

Subsequent reports will go to the General each week thereafter

(See UGF on Page 10)



BIRMINGHAM BOUND—Col. James O. Green, Redstone Arsenal's Alabama State Fair Project Officer, explains the working end of Army missiles to Miss Virginia Lipscomb. Miss Lipscomb, a receptionist with the Directorate of Research and Development at the Army Missile Command, will serve as one of five attractive hostesses at the Army exhibit during the Fair, Oct. 1-7. Col. Green is Chief, Technical Projects Office, with the Army Missile Support Command, an element of the Missile Command.

The Redstone Rocket

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Rocket Ruminations

"A little before you go to sleep read something that is exquisite and worth remembering, and contemplate upon it before you fall asleep. —Erasmus

A Call For Quality

What would you say if you had to give up 10 cents of every dollar you earned without getting any service, goods or entertainment in return?

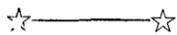
That is exactly what is happening to the United States! The gross national production is estimated to be \$585 billion a year. Out of this, \$50 billion is being lost because of scrapping or re-working items that failed to pass first inspection.

According to Miles R. Hardenburgh, chief of Quality Engineering Branch of the Industrial Directorate of the Army Missile Command, the percentage of losses because of lack of quality in the missile industry runs from 20 to 40 percent on first inspection!

In a speech made the past Thursday in Birmingham, Mr. Hardenburgh said: "... If these components can be reworked so that they pass inspection on subsequent submittal, then it is technically possible that they could have been made right in the first place."

Under the long-term competition our nation faces from Communist nations, we just can't afford such terrific production losses. The missile race is expensive enough without having additional costs because of poor quality.

There seems little reason why properly trained and experienced workers can't produce an item that will be right the first time. As a matter of fact, individual pride in one's work should be enough to bring about minimum losses due to poor quality.



Knowledge To Save Lives

To some wags, the past week's passive defense exercise at Redstone Arsenal may have been something of a joke, especially the part where 50 men and officers spent a 48-hour period in a make-shift fall-out shelter.

In reality, however, efforts of the past week will have immeasurable value to this entire establishment. The 50 men who volunteered for the shelter test will have given the Army enough information to establish the feasibility of using the Arsenal's empty ammunition igloos for possible war-time purposes.

As Maj. Gen. F. J. McMorrow, Commanding, Army Missile Command, wrote:

"... The areas of knowledge to which you appreciably contributed by your volunteer effort involved environmental elements including such factors as psycho-physical reactions as well as requirements for food, sanitation, facilities, and the like. All of us at Redstone Arsenal and, in fact, all other citizens of the United States will benefit from the data which you have generated in your two days of austere and uncomfortable living."

Despite the play-like sound of this type exercise, this was a deadly serious business. We appreciate the efforts of the men who helped make it a success.

Savings Depend On Good Quality

"Good quality is only possible after management conditions itself to the realization that defects in fabrication are not necessarily a way of life."

Miles R. Hardenburgh, a quality assurance specialist from the U. S. Army Missile Command at Redstone Arsenal, said this in an address prepared for delivery to a management group Thursday night during a dinner meeting in Birmingham.

"Good quality is only possible after management has conditioned itself to the realization that quality is everybody's business," he said.

People are conditioned to the fact that humans are not perfect and will make mistakes. "But do we make mistakes in everything

we do?" he asked.

Hardenburgh said few people would accept a five per cent error in their paychecks and added that man is conditioned to be more careful about one thing than he is another.

"He has learned to accept the fact that it is all right to make mistakes in his work, but not permissible to make mistakes that will affect his own well being."

"In short, he has developed a dual attitude. In some things he is willing to accept imperfection, and in others he will not," he continued.

The Army Missile Command specialist said: "Defects are caused by two things: Lack of knowledge and lack of attitude."

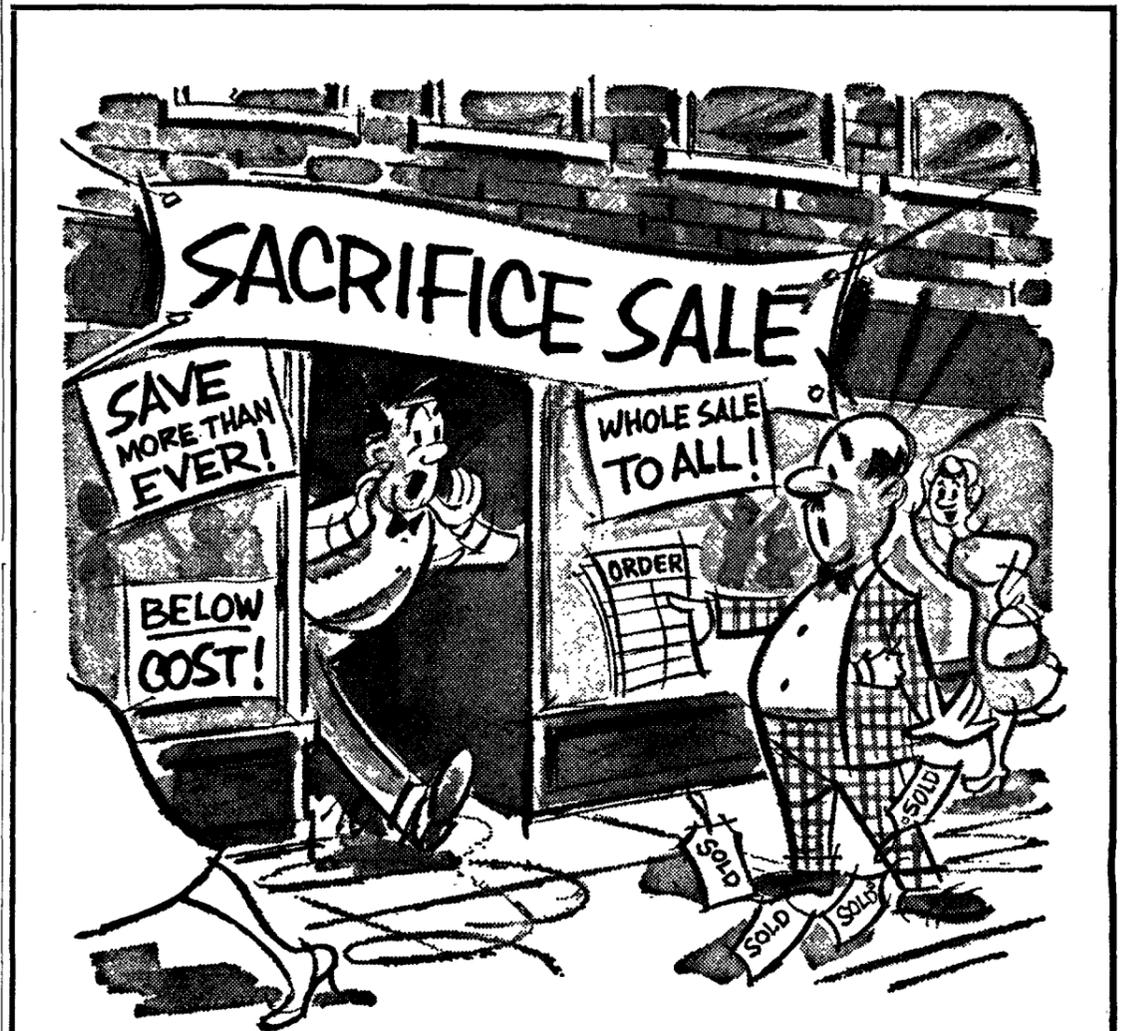
"Management must condition itself to the fact that defects are not necessary and must take those steps which will strengthen knowledge, change attitude, and will ultimately lead to the exclusion of

defects from a production program," Hardenburgh told the executives.

"As the dollar continues to be worth less and less and as our raw material and technical skills continue to diminish with respect to demand in this age of spiraling technology, industry's competition will grow keener and keener."

"Price alone may bring you a customer the first time, but it is the quality of your product that will make this customer return the second and third time," he concluded.

A native of Fredericksburg, Va., Mr. Hardenburgh received his BS degree in Chemical Engineering from Wake Forest University, N. C., in 1940. He has done graduate work at University of Maryland, University of New York, University of Connecticut and the University of Kiedelburg, Germany, where he studied law.



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As Director of Field Service Operations under ARGMA he was responsible for rocket and guided missile supply and maintenance at home and overseas. During the reorganization of the Missile Command, Col. Van Wert was named Deputy Director of the Directorate of Supply and Maintenance.

Col. and Mrs. Van Wert and their twin daughters, Nancy and Roberta, and son, Robert, Jr., reside on Redstone Arsenal.

(Continued From Page 1)

Col. Van Wert's career includes assignments in the office of the USAREUR Ordnance Chief in Germany, and served as a member of the Military Advisory Assistance Group in Turkey. From 1954 to 1957 he held a key assignment in the office of the Chief of Ordnance, Department of the Army, Washington. The Colonel graduated from the Command and Gen-



HANGFIRE DETECTOR—Edwin C. Gardner, an equipment specialist in Field Artillery in the Directorate of Maintenance and Supply, developed a hangfire detection circuit for Lacrosse guided missile test sets to enable Artillery units to immediately distinguish a hangfire from a misfire or test set malfunction. As a result, he received a check for \$250 from the Incentive Awards Committee. His suggestion was judged to have intangible benefits in the major-broad category.



STOCK CONTROL—Two stock control clerks, Juanita Fulks of Loretto, Tenn., and Douglas England of Florence, Ala., put their heads together on their job in the Directorate of Maintenance and Supply to make the job easier and save the government an estimated \$7,896 a year at the same time. They suggested an improved procedure for answering status requests. As a result each took home a "bonus" from the Incentive Awards Committee a dollar or two shy of \$200.

ENGINEERS SPEAK AT CONFERENCE

Two Engineers from the Army Missile Command will address a conference on the "Dynamic Behavior of Materials and Structures" at Springfield Armory, Mass. Sept. 26-28.

Sponsored by the Army Research Office, this conference is designed to bring together design engineers and engineering scientists interested in dynamic loading problems. The agenda lists

REDHEAD

(Continued From Page 1)

flown several subsonic evaluation missions at higher altitudes since its initial firing during March, 1961.

Control is accomplished by electronic signals transmitted from a ground station to the missile's command receiver, which in turn feeds them to an autopilot. The autopilot controls a pair of small movable fins mounted to the rear of the missile body. Stubby triangular wings give the missile stability and maneuverability.

The Redhead/Roadrunner, 19 feet long and a foot in diameter, is launched from the ground by a small booster rocket and is powered in flight by a ramjet engine burning standard JP-4 fuel. It is recoverable by a self-contained parachute/retro-rocket system.

The primary use of the Redhead/Roadrunner is as a target for batteries of the Army Air Defense Command. To be used principally at McGregor Range in New Mexico, it will simulate high performance aircraft and air-breathing missiles.

sessions on major aspects of the subject including Army Problems, Design criteria, instrumentation and technique and fundamental studies.

Dietrich E. Gudzent, Chief Dynamics Characteristics Section, Dynamics Analysis Branch, Structures and Mechanics Laboratory, Research and Development Directorate, will speak on "Propagation of waves induced by Underground Explosions." Mr. Gudzent is a physicist, holding BS and MS degrees from the University of Berlin.

Joseph N. Crenshaw Chief, Dynamics Analysis Branch, Structures and Mechanics Laboratory, Research and Development Directorate will present a paper entitled "Structural Response to Missile Thrust." Crenshaw is a Mechanical

Engineer, having received his degree from the University of Alabama.

Both men have made significant technical contributions, enabling the Army to advance the state of the art of missilery.

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1957 CHEVROLET
STATION WAGON "6" with standard shift, radio and heater. Six passenger model. Clean. "Will take less" than \$895.

1958 CHEVROLET
BEL AIR Four-Door Hardtop with V8 motor, automatic shift, radio, and heater, new tires. It's a local one-owner extra clear car. "Will take less" than \$1095.

1959 CHEVROLET
IMPALA Two-Door Hardtop with big engine, radio, heater new tires and 27,000 actual miles. Like a new one. "Will take less" than \$1695.

1955 CHEVROLET
FOUR-DOOR "6" with automatic shift, new tires, radio, heater, and it's like new. "Will Take Less" than \$595.

1958 CHEVROLET
CONVERTIBLE with black finish and black top. It's a "6" automatic with radio, heater and brand new tires. "Will Take Less" than \$1095.

1957 FORD
TUDOR HARDTOP V8 automatic, radio, heater, green and ivory finish for only \$595. No money down and \$34.00 per month.

(2) **1960 CORVAIRS**
"700" By Chevrolet—It has automatic transmission, radio, heater, red with gray interior. "Will take less" than \$1395.

1961 CORVAIR BY CHEVROLET — Two-door with white finish, automatic shift, radio, and heater. It's a one-owner with 22,000 actual miles. "Will take less" than—\$1595.

1961 LARK
Two-Door sedan with "6" motor, straight shift, radio, and heater and red finish with red and black interior. Local one-owner car with 21,000 actual miles. "Will take less" than \$1295.

1958 CHRYSLER
TWO-DOOR Hardtop Saratoga with power steering & brakes, radio, heater, new tires, solid white finish, one-owner car and it's like new. "Will take less" than \$1095.

1961 FORD
Half Ton Pick-up Truck with "6" engine, standard drive. It's a local one-owner with 16,000 actual miles (ownership verified). "Will take less" than \$1495.

1959 FORD
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1960 FORD
FORDOR with "6" motor, standard shift, radio and heater and new tires. Only 15,000 actual miles. Was \$1395—NOW \$1195.

1962 CHEVY II
FOUR-DOOR 4-cyl., with standard shift, white finish with red interior, and 5,000 actual miles. Still in factory warranty. Going NOW FOR ONLY \$1595.

(2) **1961 VALIANTS**
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1955 CADILLAC
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1953 FORD
HALF TON PICKUP TRUCK. Local one-owner truck. Like new with new tires. \$695.

1955 PLYMOUTH
2-Door with "6" motor, standard shift, and new tires. \$200.

1960 RAMBLER
Four-Door "6" with standard shift. Was \$1195. NOW \$895.

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**CAPT. SALZMAN,
MRS. KIRCHHOFFER
WIN PARTY BRIDGE**

Monday night party bridge drew four tables at the Squirrel Hill Officers Club last week. High for the men was Capt. Martin Salzman; second Lt. Col. M. L. Kirchhofer. Mrs. Kirchhofer was high for the women with Mrs. Frank Moore second. Reservations are being handled by Mrs. Hugh Bauer, 877-4448.

**MRS. WASHBURN,
MRS. HELLER TIE
FOR SLAM HANDS**

Mrs. R. W. Washburn and Mrs. R. G. Heller tied on slam hands during "Party Day" at the Squirrel Hill, Officers Club Thursday afternoon. "Party Day" is held monthly by the Party Bridge Group sponsored by the Redstone Arsenal Officers Wives Club and lasts from 10 a.m. through 2:30 p.m. with lunch served the players. Mrs. R. J. Quantz was awarded a prize for the "bust" hand. High score was tallied by Mrs. M. L. Kirchhofer and the "red deuce" prize went to Mrs. T. R. Edwards. Eleven tables were in play during the session. Reservations to play with the group on Thursday mornings are handled this month by Mrs. Alfred Holston.

Movie Schedule

WEDNESDAY, September 26
"Trapeze" (M)

THURSDAY-FRIDAY, September 27-28
"Walt Disney's Bon Voyage" (F)

SATURDAY, September 29
"War Hunt" (M-YP)

SUNDAY, September 30
"A Very Private Affair" (M)

MONDAY, October 1
"Mighty Ursus" (M-YP)

TUESDAY, October 2
"Damon and Pythias" (F)

Two shows nightly at 6 and 8:30 p.m.. Saturday matinee at 1 p.m., and Sunday matinee at 2 p.m.

SOCIAL ^{and} CLUB EVENTS

At the Service Club

By Brenda Hanson

The heat is breaking and as the sun moves Southward, seemingly, it brings us cool crisp evenings. There is only one way to beat it. Dream, dream, dream, in the cool couched retreat of the lounge of the Service Club. We proclaim this week, September Dream Week. Hallucinations loom before us and illusions sprinkle the atmosphere.

It has oft been said that no news is good news, but we are somewhat at variance with this old saying. A forecast of newsy events at the Service Club indicates blue skies, but temperatures extreme, during September.

As we launch into our forecast of events for the oncoming week, my first prediction is the Beginners Dance Class at 1800 hours on September 26. The Advanced classes begin at 2000 hours. My predictions for the four hours of achievement is rising temperatures and high winds.

On September 27, card Kapers is scheduled for 1930 hours. Too, a Pool Contest at 2000 hours. Prize will be given to the winner.

The big event for the week that our barometer and radar scope has detected is presently at hand. That is the Japanese Variety Show, under the direction of Lt. Col. Kawabe. The show will begin at 1800 hours and will end at 2100 hours. Make your plans to see this show. It will consist of dancing, singing, acting and other variations of talents.

Then on Saturday, September 29, Mood Music is on the agenda for 1800 hours. The Jr. Hostesses have a treat for you boys on this night at 1900. They will be bringing their favorite dessert to share

with you during the refreshment hour.

Then on Sunday, Sept. 30, at 0930 hours is Coffee Hour. If the humidity be high or low, come on to the Service Club and chat with your friends over the fogging cups of coffee and fresh donuts in the main lounge. Then, spotlighting the evening is the Record Dance at 2000 hours. D. J., Jim Rudd will be spinning your favorite tunes of the evening. "Tops in Pops" is the theme for the dance.

Again as the weekly event of every Monday night is game night. Two grand prizes will be given. Come on to the Service Club and play. You've got nothing to lose and prizes to gain if you win.

Tuesday, Oct. 2, small games is on the schedule beginning at 1930.

Despite the weather predictions and forecast, you can't go wrong by using my predictions of the Service Club events for your schedule. So don't miss out on any of them.

Exuberation and exhilaration don't come on the heels of a celebration so until the next raging occasion, let's fortify ourselves with the Service Club and its facilities. O.K.

See ye at the Service Club.

Brenda

Births at Post Hospital

Cedric Tobias Robins, 7 lbs., ½ ozs., Sept. 13, son of Sgt. and Mrs. Willie B. Robins.

Diane Marie Herring, 7 lbs., 11 ozs., Sept. 14, daughter of Pvt. and Mrs. Joseph A. Herring.

David Bagwell, Jr., 7 lbs., 6¾ ozs., Sept. 14, son of 1/Lt. and Mrs. David Bagwell.

David Scott Wysong, 8 lbs., 9½ ozs., Sept. 16, son of E-4 and Mrs. Richard A. Wysong.

Derrick Marshall Foster, 7 lbs., 10 ozs., Sept. 16, son of Sgt. and Mrs. Ronald L. Foster.

Michael Carol Parker, 7 lbs., 5 ozs., Sept. 17, son of PFC and Mrs. Carol S. Parker.

Conrad Michael Coward, 8 lbs., 0 ozs., Sept. 17, son of SFC and Mrs. Irvin A. Coward.

Matthew Eugene Norris, 7 lbs., 9½ ozs., Sept. 17, son of SP-5 and Mrs. Virgil E. Norris.

Wanda Lynn Foor, 6 lbs., 12¼ ozs., Sept. 18, daughter of PFC and Mrs. Robert W. Foor.

Infant male—5 lbs., 9¼ ozs., Sept. 19, son of Capt. and Mrs. Thomas Milton Lewis.

Infant female Seagroves, 5 lbs., 4 ozs., Sept. 19, daughter of SP-4 and Mrs. Doyle A. Seagroves.

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YARD OF THE MONTH—Mrs. B. F. Darling (left) is awarded the plaque for the yard of the month by the Garden Club sponsored by the Redstone Arsenal Officers Wives Club for the second consecutive month. Mrs. Darling's lawn has remained green and her flowers have continued to thrive despite the drought which has withered most of the foliage in this area. Maj. Darling was on travel duty when Mrs. Charles O. Blaser (right), chairman of the plaque committee made the presentation.

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PICTORIAL HISTORY—Visitors Saturday at the Thiokol Open House/Picnic for families of the employes at the Alpha Division Plant at Redstone Arsenal examine the 13-year history displayed in pictures. Other displays and demonstrations included a phantom fountain and a static firing.

Thiokol Holds Annual Picnic

7500, Thiokol employes and their families, attended Open House and a Picnic at the Alpha Division's Huntsville Plant, Saturday, Sept. 22.

Conducted bus tours of the 900-acre facility, static firings, displays, demonstrations, and a barbecue lunch filled the day from 10 a.m. to 4 p.m. Special features for the children included pony rides, ice cream stands, and

specially designed displays.

Chief attraction among the latter was the Chemistry Department exhibit which had a Phantom Faucet (water pouring from a faucet suspended in midair with no connections) and typical chemistry glass tubing through which bubbled varicolored liquids.

The photographic display contained photographs from the 1949 beginning of Thiokol's operation of the facilities. Demonstrations included remote control operations in manufacture of solid propellant rocket motors and dummy set-ups of other processing procedures.

Crowds thronged through exhib-

Educators, Industrialists Will Visit Auburn Friday

Auburn University will be host Friday to a group from Redstone Arsenal installations and officials of industries associated with the various Arsenal efforts.

Members of the Joint Army Missile Command-Marshall Space Flight Center Graduate Study Steering Committee and leaders of local industries will fly to Auburn for a tour of the campus.

University administrators and faculty members will be host to

its including the display of Army missiles, but most of the interest centered in "seeing where 'Daddy' works."

the Redstone group, giving them a tour of the Auburn campus, showing the facilities available there for research in missile and space fields and also in advanced study programs.



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Today Is The Military Police Corps' Birthday

George Washington Used Military Policemen Too

Today highlights the 21st anniversary of the establishment of the Military Police Corps, modern version. Although the MPC was officially born on Sept. 26, 1941, the history of the Corps stems back to early in the Revolutionary War . . . 1776 to be exact.

In the General Order of 1776, General George Washington appointed a "Provost Martial" of the Army of the United Colonies.

Two years later, Congress authorized a Provost Corps, to be mounted on horseback, armed and accoutered as light dragoons. The Corps was authorized five officers, six NCO's, four executioners, and 43 provosts or privates.

A General Order of 1778 charged them to: "Patrole ye Camp and its neighborhood for the purpose of apprehending deserters, marauders, drunkards, rioters and stragglers — and to apprehend all soldiers in violation of General

Orders."

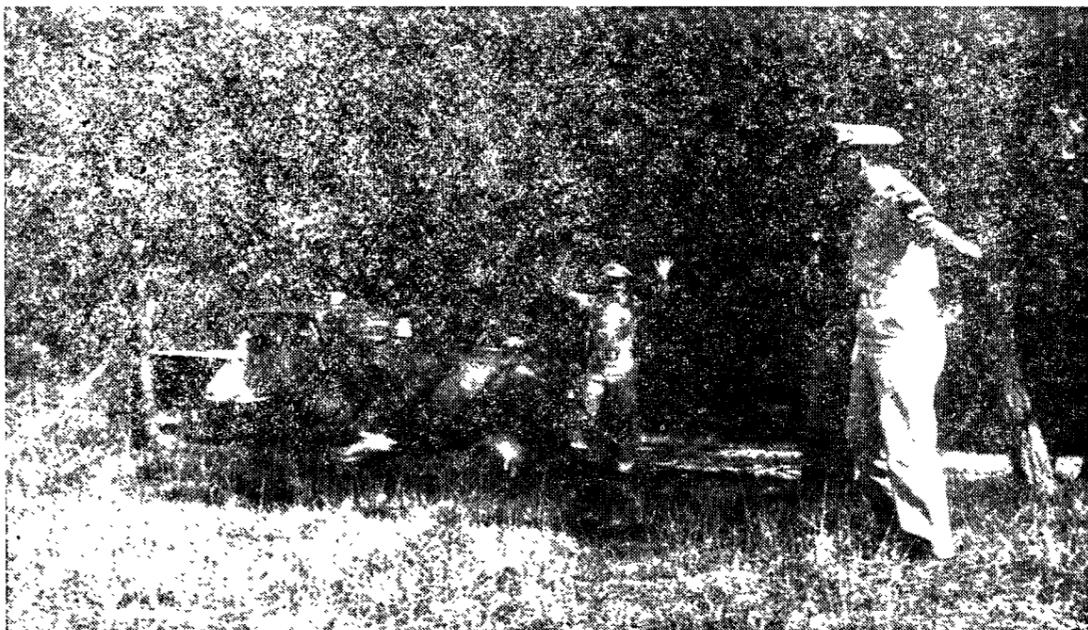
The end of the Revolutionary War saw the end of the Provost Corps. This was to be the story of the Military Police—a sort of a "fire brigade" to be organized only in time of national emergency—up to the outset of World War II.

Blue Brassard

Today the blue brassard with the letters MP in white has gained stature and respect not only overseas in combat, but also here at home during peacetime with both the military and civilian populous. Today also, the concept of the MP has evolved to include the attitude of rendering a service to the general public, a sort of "helping hand" instead of a punishing hand.

Maj. Gen. Ralph Butchers, Provost Marshal General, in his message to the Corps on the anniversary sheds some light on this attitude of service.

He says, "We military police



IT'S NOT RUSTLING!—Two MP's are simply returning some stray cattle to their grassy abode. Due to the large number of cattle (approximately 5000 head) grazed on the arsenal, strays on road networks can become a serious safety problem. Again the Military Police assume another identity, this time that of a cowboy.



GO THAT WAY—PFC Louis Mckaskil issues a pass to an Arsenal visitor and directs him to his destination. The duty of the MP on a perimeter gate is varied. The job ranges from routine traffic control and meeting and processing visiting VIP's, to rendering first aid in an emergency.



HELPING HAND—SP4 Milton Rayburn and PFC Ken Keene aid Miss JoAnn Brown, a damsel in distress, with a troublesome flat tire. Although this is not in any orders, the Military Police are always ready to lend a helping hand to the public.

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must work constantly to sustain and improve our professional standards. No opportunity to render service to the military and civilian communities should be neglected. Effective public relations is the Corps' "bread and butter."

Here on the Arsenal, the 291st Military Police Corp tries hard to achieve the ultimate in service to the public.

In order to illustrate to the public just exactly what kind of a job they do, the MP Company invites each and every one of you to attend their Open House to be held today from 10 a.m. to 2 p.m. at the Central Police Station,

Bldg. 3453.

Visitors will be escorted through all aspects of Military Police work, including the detention facilities, the alarm system, and the police desk.

Parents are reminded to fill out an "MP for a day" slip for their children between the ages of 9 and 12. One young fellow will be selected and will become the honorary Desk Sergeant on Saturday, Sept. 29.

Here is an opportunity to learn about the mechanics of a police station without getting in trouble with law! Let the 291st MP Co. add another facet of community service to their record by allowing

them to show you the many ways that they help you.

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Grab Your Guns Boys! Hunting Season's Here!

Grab your red cap, the water repellent coat and heavy boots, fel-las, hunting season is here.

Rules and regulations governing the 1962-63 hunting season in Alabama and on Redstone Arsenal have been released by the Provost Marshal's office. Firing starts on Monday noon, Oct. 1, when the first half of dove season opens. Under the law, hunting for dove starts at 12 o'clock noon and runs until sunset. Limit is 12 birds a day and 12 birds in possession. First half of the season runs from Oct. 1 to Nov. 10. Second half starts Dec. 13 and runs to Jan. 10.

D. Harrison has outlined the following guide for hunting season on Redstone Arsenal:

BOB-WHITE QUAIL: From Nov. 20 to Feb. 20. Ten a day and 10 in possession.

SQUIRREL: Oct. 15 to Jan. 1. Ten a day and 10 in possession.

RABBIT: Oct. 15 to Feb. 20. Six a day, hunted with gun or bow and arrow.

RACCOON AND OPOSSUM: Oct. 15 to Feb. 20. No bag limit.

FOX AND BEAVER: No closed season, no bag limit when hunted as game.

DUCK: (Except Canvasbacks and Redheads) Dec. 5 to Dec. 29. Two

a day.

COOT: Dec. 5 to Dec. 29. Six a day and six in possession.

GOOSE: Nov. 10 to Jan. 8. Five a day, five in possession.

For detailed information on

The Redstone Rocket

Sept. 26, 1962

Page 7

game limits, dates and other hunting rules, contact Sgt. Harrison at the Provost Marshall.

limited to military personnel, their dependents and guests. Military personnel may have two gun-carrying guests.

Make Your Plans to Attend the— MADISON COUNTY FAIR and Tennessee Valley Exposition ON REDSTONE ARSENAL DAY WEDNESDAY, SEPTEMBER 26TH

Visit The Real Fair — The Original Fair!

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THROUGH SEPTEMBER 29TH!**

The Madison County Fair

Madison County Fairgrounds



SAFETY LECTURE SET

All military personnel who wish to hunt on Redstone Arsenal are required to attend a safety lecture. This is given by Mr. Dillard K. Womack, Safety Officer.

First safety lecture will be conducted at 3:30 p.m. today at the Post Theater. Make-up lectures will be held at the same hour Sept. 27 and 28 at the Theater.

Post Game Warden Sgt. Buford

Mrs. Laver, Mrs. Payne Win Golf Tournament

Tournament play among the Redstone Arsenal Officers Wives Club Golf Group ended Thursday with Mrs. V. J. Laver in the medalist spot and Mrs. Charles Payne winner of the championship flight.

Mrs. Laver was also runnerup in the championship flight. The Golf Group played 36 holes over a three day period.

Mrs. H. H. Wishart won the first flight with Mrs. W. F. Higgins runnerup.

Trophies will be presented after play Oct. 3 at a lunch in the Rathskellar.

Sports Car Buffs

By Ray Mosling

September 15-16 were exciting days for the sports car enthusiasts who attended the Tennessee Valley Region, SCCA Divisional Championship Races at Courtland Airbase. This year's champion drivers pleased the spectators in 10 different races held during the two-day event.

The 2.57-mile right-hand course was comprised of five major turns of 90 degrees or more with flagging and communications stations located at these major turns for the safety of the drivers and spectators.

The most popular turn with the spectators appeared to be turn No. 4, members also referred to as the "hairpin." This turn of approximately 135 degrees served to point out the amateur drivers from the more experienced. The result was a great deal of action on this particular turn when a group of drivers attempted to negotiate the turn simultaneously.

The downpour on Sunday afternoon put the icing on the cake and placed the favorite larger cars at a disadvantage during the championship races. The end result was a very interesting outing to be remembered for some time.

The organizers of the Courtland Races wish to thank everyone who attended and the workers whose help made these races possible. About 90% of the race officials and workers at this event are employed at Redstone Arsenal.

The Tennessee Valley Region, Sports Car Club of America, will hold their September meeting on Saturday, September 29, at the Pin Palace on North Memorial Parkway in Huntsville. The meeting will get underway at 7:30 p.m.

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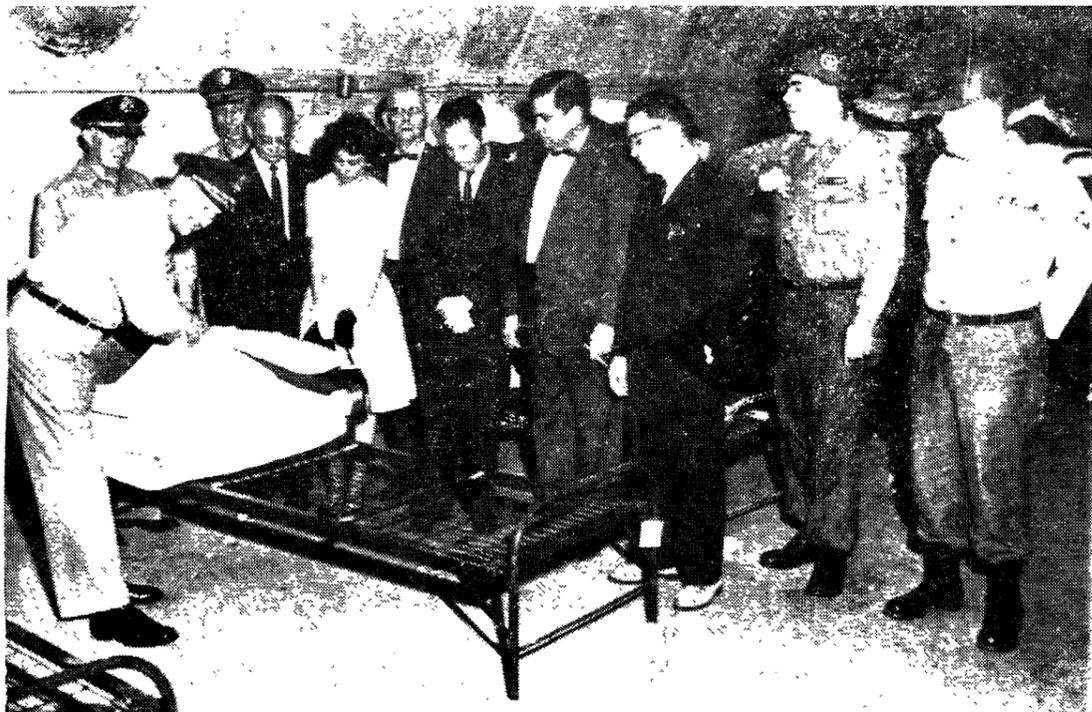
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A LITTLE HELP—An unidentified soldier pulls as Col. T. W. Cooke pushes the bunker door closed, starting the two-day test of a fall-out shelter converted from an ammunition bunker. The shelter was equipped with hand air blower, emergency rations and basic sanitary facilities to test its use under stress conditions.



AND THIS IS THE WAY THEY MADE THE BEDS—A group of Arsenal and area Civil Defense officials were observers Friday at the end of the 48 hour Passive Defense Measures Test. After the 50 volunteers left their fall-out shelter, the officials moved in to check the converted ammunition "igloo". Col. Cooke shows them some of the bedding used by his men. Post Surgeon Col. Harry C. McClain and Col. R. M. Allgeier stand behind the officials. Among those who were on post at the end of the test was Mr. C. J. Hyde of Montgomery, Alabama's Northern Area Coordinator of Civil Defense. The two first-aid men in this picture were in attendance in the shelter during the entire course of the test.

Pearson Starts New Phase In Training

Emmett L. Pearson, Jr., has been assigned to the Army Missile Command for Phase II of a train-

ing program in procurement of materiel for the Army Materiel Command. He will serve one year here on-the-job training, after which he will attain journey level in the field of procurement. Pearson recently completed the

first phase of the program at Detroit Army Ordnance District where his training included contract preparation and such support functions as legal, comptroller and inspection and acceptance of manufactured items.

SOLDIERS

(Continued From Page 1)
 misery you endure will be a definite advantage to others who may one day have to seek survival, not only here at Redstone Arsenal but elsewhere in the country as well."
 Maj. Gen. Francis J. McMorrow, commanding general of the Missile Command, wrote the men after the drill:
 "You volunteered to serve in a group which was assembled to test the feasibility of utilizing empty ammunition igloos, with a minimum of modification and supplies, as fallout shelters.
 "It is essential that modification of these igloos be as austere as possible so as to permit emergency use for their originally intended purpose or alternately as fallout shelters in case of nuclear attack.
 "You have just finished testing our planning and no doubt have generated good suggestions for im-

proving our plans. The areas of knowledge to which you appreciably contributed by your volunteer effort involved environmental elements including such factors as psychophysical reactions as well as requirements for food, sanitation, facilities, etc.
 "All of us at Redstone Arsenal, and in fact, all other citizens of the United States will benefit from the data which you have generated in your two days of austere and uncomfortable living."

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GETTING READY FOR THE NIGHT—One of the first activities undertaken by the men in the shelter was making up bunks and getting the place organized for their two-day stay. Some double-deck bunks were used to help accommodate the 50 volunteers who took part in the test.



WELCOME BACK—Lts. Kelly and Nelson give Col. Cooke an assist in opening the heavy concrete and steel door of the fall-out shelter in which they had stayed for two days with 48 volunteer enlisted men. They reported that their men had come through their test with high spirits and good health.



AHHH, FRESH AIR AND LIGHT—A little bleary eyed and bearded, but otherwise in top condition, the 50 volunteers came back into the world at 5 p.m. Friday. Most said they almost enjoyed their stay, but were happy to be able to get into the fresh air and see the bright sky.

A moving platform as big as a bly hangar to their launch pads baseball diamond will carry fully several miles away. The Saturn assembled Saturn C-5 rockets, each vehicle will be used in future man-over 30-stories tall, from an assem- ned lunar launchings.

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2 door, white paint with white interior. A one owner local trade-in. After minimum down payment \$45.34 month and ins.

1961 FALCON Sta. Wag.

Black. Sharp . . . auto. trans., red interior. After minimum down payment \$63.00 per month and ins.

1962 VOLKSWAGEN

Convertible. Yellow. 4500 miles. A beauty. After minimum down payment \$68.00 per month and ins.

1958 VOLKSWAGEN

Blue. This car clean in appearance and perfect mechanically. After minimum down payment \$47.27 month and ins.

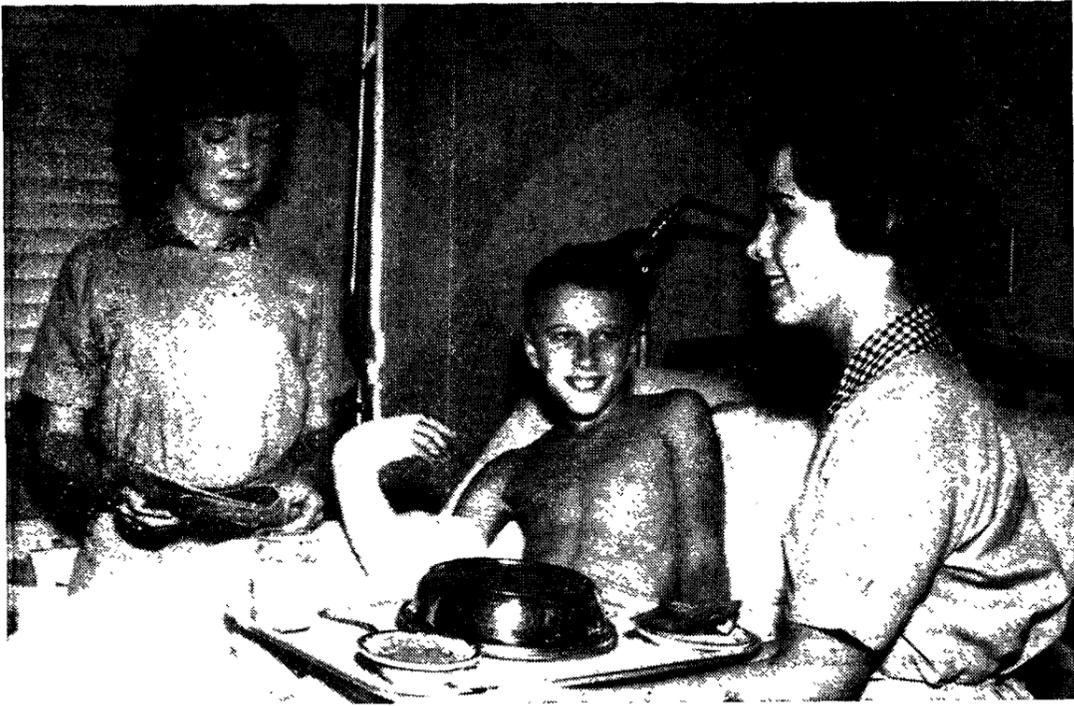
1955 VOLKSWAGEN

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HOSPITAL HELPERS—Girl Scouts lend a helping hand at the Redstone Arsenal Hospital as a part of their training. Left to right are Gwen Roy, 16, daughter of Lt. Col. (Ret) and Mrs. Luther W. Roy; Michael Dooley, 10, son of Maj. and Mrs. Michael J. Dooley, who injured his arm in a fall from a bicycle; and Carol Grace, 16, daughter of Lt. Col. and Mrs. George L. Grace. The Girl Scouts are supported by funds donated to the United Givers Fund.

UGF

(Continued From Page 1)
until the campaign ends at Redstone Arsenal. The reports will be printed weekly in the Redstone Rocket.

With the initial reports, drive chairmen will take a careful look at their individual section of responsibility and urge employees to strive for this year's fair share goal.

The campaign, now in its second week, was opened Sept. 17, when General McMorrow urged Redstone Arsenal personnel to "follow the golden rule" in reaching this year's goal of almost \$500,000 for the Huntsville-Madison County area.

Executive chairman H. R. Lowers points out that there has been a 77 per cent increase in the number of agencies supported by UGF since the campaign opened in the Huntsville-Madison County area in 1956.

Today, 30 agencies—seven more than last year—are supported by the voluntary contributions. Growth, requiring some \$50,000 in additional funds, is cited as the reason for this year's heightened goal.

Throughout this year's campaign, drive officials will stress that thou-

sands of youngsters in this area develop their physical strength, resourcefulness and character through services provided by the UGF contributions.

Lowers points out that through 100 per cent participation Redstone Arsenal can "follow the golden rule," and "do unto others as we would have them do unto us."

A GOOF!!

The Great Books Discussion group, which had scheduled a demonstration of a discussion last Sunday afternoon, meets at the Huntsville Community Center rather than at the Public Library as reported in the Rocket.

Information concerning the Group can be obtained by calling the Public Library.

LECTURE SERIES BEGUN AT SCHOOL

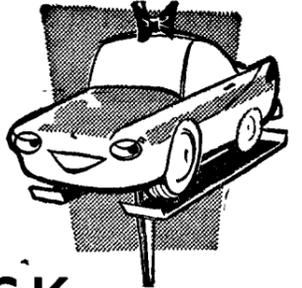
The first of a series of guest lectures by outstanding rocket scientists was delivered here on Sept. 19 before 300 members of the staff and faculty of the Army Ordnance Guided Missile School.

George P. Sutton, director of long range planning for the Rocketdyne Division of North American Aviation Corp., came here from Conova Park, Calif., to discuss new developments in liquid,

solid and nuclear propulsion. He was formerly chief scientist of the Advanced Research Projects Agency of the Department of Defense and professor of engineering at the Massachusetts Institute of Technology.

Sutton was introduced to the audience in the Redstone Arsenal Theater by Col. William J. Macpherson, Missile School commandant. His lecture was recorded on video tape for additional use over the school's educational television network. The lecture was arranged by O. L. Hogan, local Rocketdyne manager.

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Redstone Arsenal, Alabama

Capt. S. B. Canja Goes To Kwajalein

Capt. Safron B. Canja, a familiar face at Redstone Arsenal, is the newest Army member of the test team serving in the mid-Pacific lair of the Nike Zeus anti-missile missile system—Kwajalein Island.

He reported to the Zeus Project's Pacific Field Office on Sept. 12 after attending the Ordnance Officer Career Course at Aberdeen.

His wife, the former Marjorie Faye Beene of Warner Robins, Ga., and their infant son, David, born while they were stationed at Aberdeen, have remained behind in the United States.

A 1954 graduate of Ohio State University, Capt. Canja spent the first five years of his Army career in the Infantry. He came to Redstone in 1959 following his transfer to the Ordnance Corps and served in the Control Office of the Army Rocket and Guided Missile Agency and later in the Target Missile Branch of ARGMA R&D.

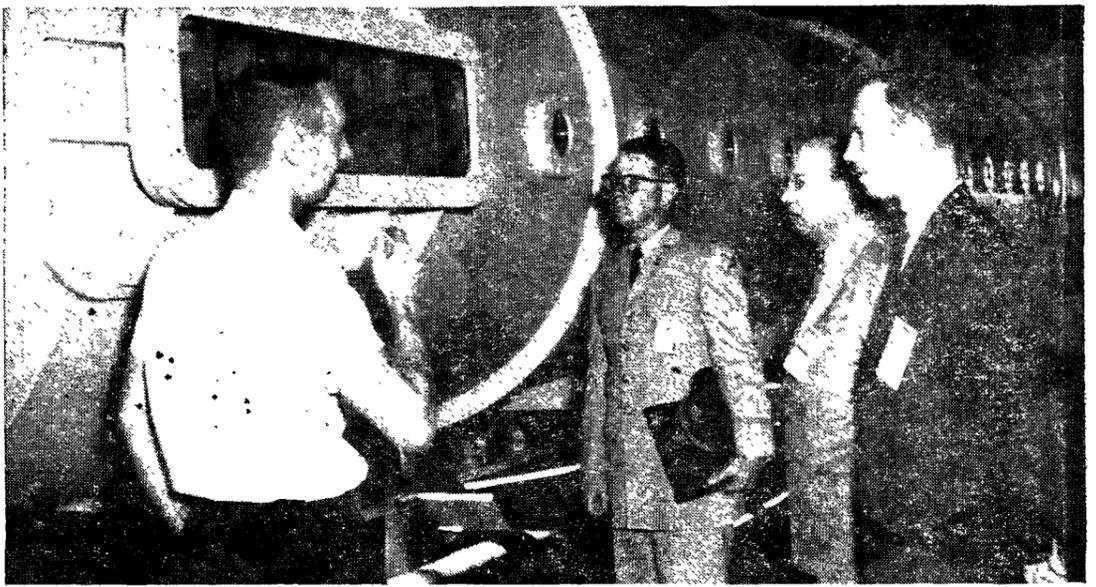
Ten To Retire September 30

Ten men are scheduled for retirement Sept. 30. The list is headed by Brig. Gen. Richard M. Hurst, Deputy Commanding General, Ballistic Missiles at the Army Missile Command. A Retreat Parade and Review will be held at the Arsenal Parade Field to honor them.

Two colonels are also included on the list, Col. Sylvester A. Hall who is a special Assistant to the Commanding General, and Col. Frank E. Napper who served as the Deputy to the Director of Procurement and Production.

Lt. Col. Henry K. Brotherton of the Missile Command, Maj. Roy B. Hoge, Jr., and Capt. Frank E. Sutherland both of the Army Missile Support Command;

SP-7 Lewis K. Richardson, M/Sgt. Eldridge D. Walker, M/Sgt. Samuel T. Houston, all from the Ordnance Guided Missile School; and M/Sgt. Leo H. Searcy of the



CANADIAN EXPERTS SEE RE-ENTRY SIMULATOR—Francis W. Slingerland (right) and Reynold St. Clair Mitchell (second from right), both from the Canadian Armament Research and Development Establishment, saw the Research Laboratory's 8,000 kilowatt re-entry facility on a recent visit to the Directorate of Research and Development. Physicist John J. Ehrlich (left) explains how heated gases flow through the test section at speeds and temperatures which simulate re-entry effects on a missile nose cone. Lt. Phillip Monson escorted the visitors during the tour.

Awards and Decorations

Among those recently awarded the Army Commendation Medal at the Missile Command are:

Col. Frank Napper, Office of Director, Procurement and Production, first oak leaf cluster;

Col. Arthur L. MacKusick, Of-

Missile Command complete the list.

Office of Deputy Commanding General, Ballistic Missiles;

Lt. Col. M. S. Hochmuth, NATO-HAWK Liaison Office, Paris, first oak leaf cluster;

Maj. Mac C. Eversole, Army Missile Command, Signal Office;

Maj. Henry D. Mitman, Research and Development Directorate, first oak leaf cluster;

Maj. H. C. Paul, Pacific Field

Office, Kwajalein; Maj. Clifford J. Asby, Signal Office, Missile Command, first oak leaf cluster;

Maj. William M. Kiser, Protocol Officer, Missile Command;

Maj. C. F. Owens, Directorate for Procurement and Production;

S/Sgt. James H. Cranford, Jr., Det. A, Missile Command, Patrick Air Force Base;

M/Sgt. L. H. Searcy, Supply and Maintenance Directorate.

A Certificate of Achievement was awarded to SP4 Roger C. Vanselow, Chaplains Office, Army Missile Support Command.

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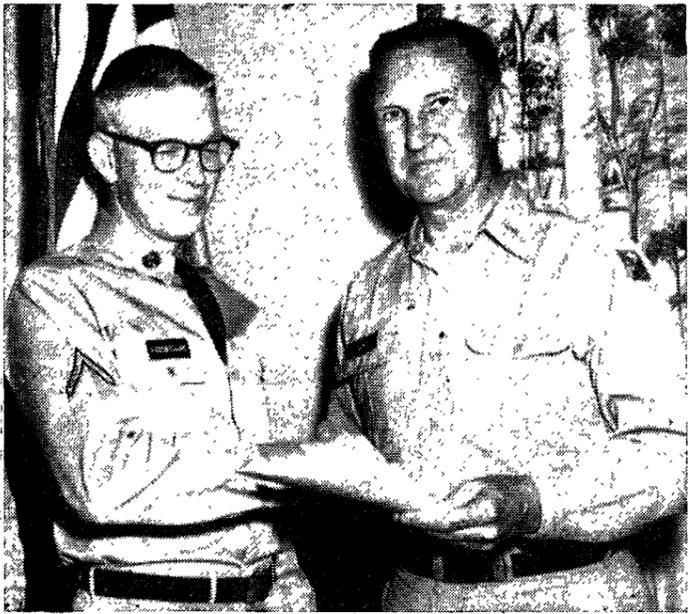
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POST'S TOP SOLDIER—PFC Everett Groseclose (left) examines the letter exempting him from all company duty for a month after selection as Post Soldier of the Month at Redstone Arsenal. Presenting the letter and a check is Col. Thomas W. Cooke, Commander of the Army Missile Support Command. PFC Groseclose, who lists Lubbock, Texas as home, graduated from Texas Tech in that city. He also worked on the newspaper during and following his studies at Tech. He is a member of Sigma Delta Chi. PFC Groseclose is on the staff in the Community Relations Office at the Missile Support Command.

Personnel Specialists From Government Meet

Army Missile Command and Marshall Space Flight Center Civilian Personnel specialists were hosts to the Gulf Coast Federal Personnel Council here last week.

The agenda included a tour of the Army Missile Command on Thursday and The Marshall Center on Friday.

The Council was held at the Holiday Inn Motel in Huntsville with Robert Seay of the U. S. Civil Service Commission and Walter Wiesman of the Army Civilian Personnel Office principal speakers. Seay talked about manpower utilization and Wiesman about communication as a test of leadership.

Approximately 40 personnel specialists and directors from the

states of Alabama, Florida and Mississippi attended the conference.

The Gulf Coast Federal Personnel Council was established as a means of interchange of ideas and solutions to problems faced by personnel specialists in the government.

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Chamber Music To Be Presented

Gaps in the musical life of Huntsville grow constantly fewer. An organization has been formed which should do more than its share to round out the musical scene here.

The first performance under the sponsorship of the Huntsville Chamber Music Guild will take place at the First Methodist Church at 8:00 p.m. on Tuesday, Oct. 2. The program will consist of music by Johann Sebastian Bach, and will open with Bach's Brandenburg Concerto No. 5 in D major for Solo Flute, Solo Violin, Solo Harpsichord, and Strings. The soloists will be David Schmieder, flute, Robert Larkin, violin, and Drora Pershing, harpsichord.

Another aspect of Bach's art will conclude the program. Kenneth Turvey, organist, will play two Organ Preludes and Fugues.

This program is one of several

planned in honor of Symphony Week, which is being observed from October 1-7. Bach's orchestral works use a small chamber orchestra, consisting of what would be the string section of today's symphonies. With succeeding generations, the group grew larger and added instruments, until, with Berlioz and Mahler, it evolved into the great symphony of more than 100 members, which fills today's concert stages.

The new Chamber Music Guild, under the chairmanship of Mrs. Gale C. Pershing, has planned four concerts for its premier season, of which the Oct. 2nd performance is only the first. The others, which will be held at bi-monthly intervals during the season, will utilize the talents both of Huntsvillians and of nationally famous chamber groups. The dates of these concerts will be announced in advance.

The first program is being co-sponsored by the Music Appreciation Group.

LIMITED CHANGES IN INSURANCE POLICIES OFFERED

Employees holding insurance policies under the Federal Employees Health Benefits Program are offered an opportunity to make limited changes in registration from Oct. 1 to Oct. 15.

Eligible employees who have not been enrolled in a plan under the program at any time during the period from May 1, 1962, to Sept. 30, 1962, will be given the opportunity to enroll; and employees enrolled for self only may change to a self-and-family enrollment but may not change plans or options.

A booklet has been published by the Government printing office and distributed throughout the Government for the information of all personnel who wish to investigate the Federal Health Benefits plan.

In October, 1963, an open season will be held during which eligible employees will be permitted to make unlimited changes in registration, including from one plan to another, and from one option to another.

AUSA To Hold Annual Meet

Delegates to the Eighth Annual meeting of the Association of the United States Army from the Tennessee Valley Chapter are Louis Grabensteder of the Army Missile Command Engineer Office and Reavis O'Neill from the Public Information Office at the Ordnance Guided Missile School.

The meeting will be held Oct. 8, 9, and 10 at the Sheraton-Park Hotel in Washington, D. C.

LOCAL CAP REORGANIZED

The local Civil Air Patrol senior squadron has been renamed as the Rocket City Senior Squadron with minor changes in ranks and responsibilities of members.

The new commanding officer is Captain Robert L. Butler, Jr., of Brownsboro.

The new CAP headquarters will be in Bldg. T-3156 Redstone Arsenal, at northeast corner through unnumbered gate (intersection of Patton Road and Bayless). The date of meeting will remain Thursdays at 7:30 p.m. New members are urged to join.

Astronomers To Meet

The Rocket City Astronomical Association will meet Friday night at 8 p.m. at the University of Alabama Center auditorium.

The new 21-inch mirror being ground by Clarence Ellis will be displayed for tests. The group is aiming for one-fifteenth of a wave-length resolution on the second largest mirror in the Southeast. The largest is at Agnes Scott College in Atlanta.

The meeting will be open to the public.

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Page 14 The Redstone Rocket — Sept. 26, 1962

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Post Library

By Jean L. Hoffman

"Come out 'tis now September
The hunter's moon's begun,
An through the wheaten stubble

"Is heard the frequent gun."
Fall fashions, food, football, or popular fiction are offered all military personnel at the Post Library. Stop at the library and see the smorgasboard of literary titles. "In Laws and Outlaws," by C. Northcote Parkinson is an humorous excursion into the secrets of business administration. Among the topics covered are the art of choosing a father-in-law, the avoidance of paper work, how to dominate a meeting, and how to use the annual report as a tool to adjust stock prices.

Harry Golden's latest bit of philosophy written in the form of a reminiscence is "You're Entitled," and Cecil Scott Forester's new work now on best-seller lists is "Hornblower and the Hotspur."

"King Rat," a most incredible and corrupt story of prison life in a Singapore prison camp in World War II, is story of a corporal turned gambler.

Paul I. Wellman's new novel is "Magnificent Destiny," a novel about the great secret adventure of Andrew Jackson and Sam Houston.

Bart Spicer's "Act of Anger," is a big novel that has the excitement of an "Anatomy of a Murder," in its courtroom drama, and the courage of "An American Tragedy," in its exploration of moral problems.

Among the new mysteries is "Uncertain Death," by Anthony Gilbert and "Two for the Money," by Jeremy York.

Timely is Dorothy Waugh's "Festive Decoration the Year Round."

"Marlene Dietrich's ABC," is an informal self portrait of a famous actress whose name is synonymous with glamour. Her comments range from how to keep a man happy to giving advice on how to dress. Comments are arranged alphabetically.

Olivia Havilland's "Every Frenchman Has One," is equally popular.

Betty Davis's "The Lonely Life," is currently serialized. So is Mary Stewart's latest novel, "The Moon Spinners."

The latest issue of Town and Country Magazine is devoted to Palm Springs, California? The 1962-63 edition of Fielding's Travel Guide to Europe presents practical advice gleaned from gourmet as well as the less expensive restaurants.

Vlad Evanoff's "Fishing Secrets of the Experts," is the joint effort of several well-known fishermen who tell the methods they use for catching trout, catfish, tarpon, and tuna.

Myles Callum's "Body Building and Self-Defense," is a two-part

guide to physical fitness and the assurance it brings, the first part dealing with exercises and weight-lifting drills to develop muscles and the second part showing basic holds and throws from judo, karate, savate, etc.

A companion volume to "Great

Ruth Park's "Serpent's Delight," the story of a middle class family thrown into the glare of publicity

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