

Veteran Engineer Plans To Work At Least 35



THAT MANY—Walter Brenneman (center) has to use three sets of hands to count up the number of years he has been with Civil Service. Brenneman, an engineer who started out as a laborer, celebrated his 30th anniversary last week. He is Chief of the Review and Analysis Section of the Mauler Project Office. Helping him count the years are L. L. Gober, left, Mauler Deputy Project Manager; and Col. Norman P. Dennis, right, the Project Manager.

If the making of Army missiles calls for bright young engineers with fresh ideas, it also requires the vast experience of older engineers like Walter Brenneman.

Brenneman is a tall, spectacled and pipe smoking Army Missile Command engineer who has graduated from the design board to the management desk. His drawing pencil has been replaced by a fountain pen.

He celebrated 30 years in government service this week. He recalls his first job as a laborer on the House Office Building in Washington. One of the things he remembers most vividly about the job was pausing briefly at his wheelbarrow one cold, blustery day in 1933 to watch ceremonies across the street in front of the Capitol. President Franklin Roosevelt was being inaugurated for his first term.

Brenneman came to Washington from Garden City, Kan., to get an education as an engineer. And, he did. It took him eight years of

working days and going to school nights to qualify for a degree in civil engineering at George Washington University.

Brenneman quit his laborer's job in 1934 to take a job with the Army Surgeon General's Office as a typist. And he continued to go to school.

During his days in Washington, Brenneman met and married the former Miss Pearl Quigley of Heroin, Ill.

With an engineering diploma as a passport, Brenneman left the Surgeon General's Office and went to the Charleston, S. C., Naval Shipyard as a designer.

There, during the war years, he worked on a number of ships, including the USS Ancon. That was General Eisenhower's command ship during the Normandy Invasion and later stood by in the Bay of Tokyo while the Peace Treaty with Japan was being signed.

The Army's missile program was booming in 1955 when Brenneman moved to Redstone Arsenal as an engineer with the Technical De-

velopment Branch of the Research and Development Operations. In those days, working on such missile systems as the Hercules, Hawk, Lacrosse and Sergeant he developed the experience with missiles that led him last year to Chief of the Review and Analysis Branch of the Mauler Missile Project.

As chief, he looks at the missile system from an overall point of view, utilizing both his experience as an engineer and position as a manager to assure that it meets requirements.

At 49, is Brenneman planning to retire? "Not for at least 5 years," he says. At home he is a golfer and a bowler. A daughter, Phyllis, 19, will attend the University of North Carolina and plans a career in the foreign diplomatic service. A son, Walter, 11, is in junior high school.

Brenneman is an example of the veteran civil servant who came up the hard way and brings the steady influence of experience to the building of Army missiles.

Mauler is a system with the benefits of enthusiastic young engineers balanced with experience. Many of the responsible positions, such as the chief of engineering, are filled by engineers still in their thirties.

Brenneman and other veteran employees, such as Deputy Project Manager L. L. Gober who was a fellow naval designer during the Charleston Naval Yard days, give balance to the organization.

But, that's the way the Army Missile Command likes to operate—a balance of young enthusiasm and experience.

The Redstone Rocket

Published by Jack W. Hoffhaus, Hartselle, Ala., a private individual in no way connected with the Department of the Army. Opinions expressed by the publishers and writers herein are their own and are not to be considered an official expression by the Department of the Army. The appearance of advertisements in this publication does not constitute an endorsement by the Department of the Army of the products or services advertised.

VOL XII; NO. 10

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

July 17, 1963

Nike Zeus Intercepts Seven ICBMs During Past Year

A year ago today few people knew it, but the Nike Zeus Anti-missile Missile System was about to prove it could hit an ICBM-boosted target as it plummeted in a high and wide arc over the Pacific.

Now, with the anniversary of that first intercept announcement only two days away, the Army has announced another intercept. It is the seventh such announcement.

The public release on the first intercept came on July 19, 1962 and threw the international spotlight on both the Nike Zeus and a tiny chunk of coral called Kwajalein Island. Kwajalein is the mid-Pacific launching pad for the Nike Zeus. All of the intercepts have occurred near it.

The seventh intercept was announced by the Army last Friday. It, like the first intercept, involved a special target launched by an Atlas booster at Vandenberg Air Force Base on the California Coast 5,000 miles away.

The Army said ground tracking equipment indicated the target

vehicle was within the lethal radius of the Zeus missile's operational warhead.

Neither the intercepting missile nor the target vehicle carried a nuclear warhead.

Knowledge gained in the continuing series of Nike Zeus intercept tests at Kwajalein will be of benefit to the Army in the development of the Nike X anti-missile missile system, an advanced version of Nike Zeus.

Testing of the Nike Zeus system using ICBM-launched target vehicles will continue on the Pacific Missile Range.

Col. I. O. Drewry, Nike Zeus project manager, and his staff direct both the Nike Zeus and Nike X programs for the Army Materiel Command from headquarters at Redstone Arsenal.

The Western Electric Company is prime contractor. Bell Telephone Laboratories has responsibility for system design and development. Douglas Aircraft Company builds the Nike Zeus missile. Thiokol Chemical Company's plant here makes the propellant for all three stages of the missile.



MAJ. GEN. R. J. MEYER

CONARC Chief To Talk At Graduation

Maj. Gen. Richard J. Meyer, deputy chief of staff for individual training at the Continental Army Command in Fort Monroe, Va., will visit the Army Ordnance Guided Missile School and the Army Missile Command this week. He will participate in a ceremony at which the 30,000th student to complete training at the school (See MEYER on Page 2)

Civil Defense Exercise Is Imminent At Redstone

Redstone Arsenal's massive civil defense exercise, to be highlighted by evacuation of the installation and by two fallout shelter tests, is scheduled to climax at an undisclosed date this week.

Evacuation of more than 20,000 personnel will begin with the continuous wail of all sirens on post. Fallout shelter tests will begin shortly afterward.

As a part of the mobility exercise, more than 20 men, women and children have volunteered to take part in a 24-hour fallout shelter test.

In a similar test, several volunteer soldiers will participate in another fallout shelter stay under simulated emergency conditions.

The mobilization exercise is officially known as Exercise "Chez-Pup," (pronounced shape-up).

The Army, which is directing the drill, has not disclosed the date that the evacuation signal will be given. They say only that it will be "in the near future."

The exercise will officially begin when the evacuation signal is sounded. More than 20,000 personnel at Redstone Arsenal will leave their offices and evacuate (See CHEZ-PUP on Page 3)

MATERIEL CHIEF OF STAFF PLANS TO VISIT HERE

Brig. Gen. Selwyn D. Smith, Jr., Chief of Staff of the U. S. Army Materiel Command, is scheduled to begin a day-long visit to the Army Missile Command next Monday.

He will be welcomed by Maj. Gen. F. J. McMorrow, Commanding General, and Brig. Gen. H. P. Persons, Jr., Deputy Commanding General, Air Defense Systems.

Following his welcome at Missile Command headquarters, Gen. Smith will receive a report on Redstone Arsenal's upcoming civil defense drill, Exercise "Chez-Pup."

Highlighting Gen. Smith's visit to the Missile Command will be a visit to all of the Command's four directorates and the Army Ordnance Guided Missile School.

He also will visit individual facilities of both the Army Missile Command and the Army Missile Support Command.

Redstone Arsenal Donations High On Bloodmobile List

By the end of today's visit of the Red Cross Bloodmobile, approximately 31,000 pints of blood will have been taken during the past seven years from the veins of donors at Redstone Arsenal.

The figure would be higher if the tally had been started sooner. But the record only goes back to 1956.

Redstone Arsenal is the biggest donor in 52 counties—spilling out of Alabama into Mississippi.

In dollars and cents, at \$25 a pint, this amounts to around \$775,000 in whole blood or \$823,000 in plasma.

If the blood is broken down into fibrinogen, which takes several pints per unit, the figure would be astronomical. Fibrinogen units cost around \$120 a unit.

Blood from Redstone Arsenal donors is crated and trucked to the Blood Bank at Birmingham. If not used within 21 days, it is broken

into derivatives.

The supply is used in military hospitals, Veterans Administration hospitals, and municipal and private hospitals and clinics in Alabama and Mississippi.

The Bloodmobile started visiting Redstone Arsenal on a monthly basis in February, 1961. Volunteer help came from the Gray Ladies at the Arsenal, the canteen staff from the Huntsville-Madison County Chapter of the Red Cross, volunteer nurses, staff aides and others.

An average staff during an Arsenal Bloodmobile visit includes a corps of 40 Gray Ladies working in various capacities, eight nurses and one doctor. The puncture nurses are especially trained, and work under a rigid rule which forbids working more than six hours a day. The rule, of course, is for protection of the nurse as well as (See DONATIONS on Page 3)

Skifter Committee Studies Research And Development

A Committee picked by the Assistant Secretary of the Army for Research and Development returned to Washington last Friday after a two-day study of current funding methods in the Army Missile Command's Directorate of Research and Development.

The Committee, headed by Dr. Hector R. Skifter, was especially interested in the effects of funding on getting and keeping top-flight personnel for the research and development mission of the Missile Command. Operations of the eight R&D laboratories were studied during the visit.

After meeting with Maj. Gen. F. J. McMorrow, Commanding General of the Missile Command, the Committee spent most of the time being briefed on the Directorate by Col. D. F. Shepherd and top members of the Directorate staff.

The Committee received a firsthand look at laboratory work in (See SKIFTER on Page 3)



REVIEWING FUNDING METHODS—Maj. Gen. F. J. McMorrow, center, Commanding General of the Army Missile Command, reviews funding methods on Research and Development with Dr. Hector R. Skifter, right, who headed a committee which visited Redstone Arsenal last week. Looking on at left is Col. D. F. Shepherd, Director of the Research and Development Directorate.

The Redstone Rocket

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

All advertising copy and payments therefor are received by Mrs. Zillah T. Heath, Huntsville, Ala., P. O. Box 346, telephone 534-4701, as representative of the publisher. Advertising deadline—both display and wanted—is noon of Friday before publication.

The Redstone Rocket is distributed free of cost to personnel at Redstone Arsenal. Mailing rates for the Rocket are \$5.25 a year, or \$2.89 for six months, tax included. Mailing arrangements may be made with the publisher, P. O. Box 520, Hartselle, Ala.

Rocket Ruminations

"No nation by itself can maintain its own security. . ."
President John F. Kennedy

Congratulations!

In my message of June 28, I asked that you take action to prevent accidents and deaths during the 4th of July weekend. Information available in my office indicates that no Army Materiel Command fatalities occurred, although a tragic new record high was reached nationwide.

I am gratified by the AMC performance and congratulate all AMC personnel. This same effort and interest in the safety of AMC personnel should be continued.

Lt. Gen. Frank S. Besson, Jr.
Commanding General
Army Materiel Command

Exchanges Give Service

"Good service never ages."

This slogan is the official anniversary theme for our post exchange when it observes the 68th birthday of the Exchange Service on July 25.

In 1895, when post exchanges were created by Secretary of War Daniel S. Lamont, Army troops patrolled the lonely lands around Fort Laramie, Dodge City, Bents' Fort and the long stretches along the Rio Grande.

Good service in those days consisted of selling tobacco, snuff, knives, horseblankets, and whiskey to the troops.

The post exchange has come a long way since that humble beginning. The Exchange Service, like the Army, has moved along with the times in efficiency, methods of operation, and, of course, in the type of merchandise carried. Baby diapers have replaced horseblankets.

Yesteryear's service for bachelor troops has evolved into today's modern shopping center for the military family. Self-service, central checkout stores feature quality, brand names merchandise at prices soldiers and their families can afford to pay.

One of the most unique features of the modern PX is the customer service desk.

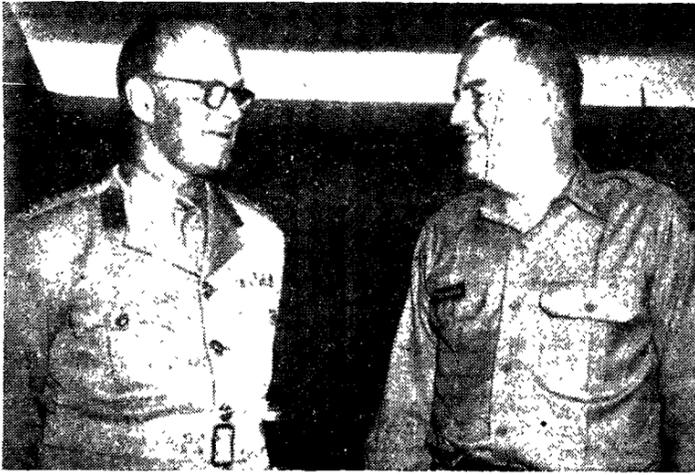
Here the soldier can have merchandise gift-wrapped, secure refunds on merchandise, send flowers-by-wire, place special orders and pay for lay-a-way merchandise.

In addition, he may leave items for repair, order personalized greeting cards and bowling balls, buy hunting and fishing licenses, and place an order for local newspaper delivery.

And, finally, he may have his driving license laminated, a new car key made, check for lost and found items, and, if so inclined, read about his local and state governments through literature distributed by the chamber of commerce.

Actually, these services are only a mirror of the "American way of life." They contribute to the high morale of the soldier and his family on this post.

When you visit the post exchange this month stop and look at the "good service never ages" poster.



BRITISH OFFICER WELCOMED—British Brig. David B. Egerton, left, Commandant, Trial Establishment Guided Weapons, Royal Artillery, chats with Maj. Gen. F. J. McMorrow, Commanding General of the Army Missile Command, during a recent visit to Redstone Arsenal. While visiting, the British officer received a general orientation on the Missile Command and addressed a graduating class at the Army Ordnance Guided Missile School.

British Brigadier Spends Two Days Touring Facilities

British Brig. David B. Egerton, Commandant of the Trial Establishment Guided Weapons Royal Artillery, Friday ended a two-day visit to military facilities at Redstone Arsenal.

The British officer was welcomed by Maj. Gen. F. J. McMorrow, Commanding General, Army Missile Command.

He later received an orientation of the U. S. Army Missile Command and met with various project officers.

Brig. Egerton delivered an address to three classes graduating from the Army Ordnance Guided Missile School.

The British officer closed his visit with a tour of Marshall Space Flight Center.

ARMY TRANSFERS ACREAGE TO NASA

The Army recently transferred 202 acres of its land holdings at Redstone Arsenal to the Marshall Space Flight Center of the National Aeronautics and Space Administration.

This latest Army transfer is directly west of the MSFC Manufacturing Engineering complex.

The action clears the way for construction of the first two of several NASA facilities planned for the area. The two are a Hangar for Vehicle Components and a Low Temperature Facility.



Guarantee Your Child an Education With Provident's Educational Plan
For Full Details Call **JESSE ANDERSON** General Agent
Provident Life and Accident Insurance Co.
PHONE 534-7651

MEYER

(Continued From Page 1)

since 1953 will be graduated.

Gen. Meyer will be welcomed to the Army Missile Command by Maj. Gen. F. J. McMorrow, Commanding General of the Missile Command, upon his arrival.

Gen. Meyer will arrive tomorrow for a two-day visit and will speak at the graduation ceremony Friday morning at the Post Theater. He will be accompanied here by Lt. Col. Hobart V. Smith, a former director of individual training at OGMS and now a member of the CONARC training staff.

Gen. Meyer was graduated from the U. S. Military Academy in 1933, won his pilot's rating while serving with the Army Air Corps and later transferred to the Signal Corps. He has attended the Command and General Staff School, Air War College and Industrial College of the Armed Forces.

Prior to assignment to CONARC, he headed the Signal Command and was Signal Officer for the U. S. Army in Europe and commanding general of the Signal Training Center at Fort Gordon, Ga.

Gen. Meyer will be honored by Col. William J. Macpherson, OGMS commandant, and members of the staff and faculty and their wives at a dinner at the Squirrel Hill Officers Club Thursday evening.

ATTENTION

MGA

SPRITE

TR-3

AUSTIN-HEALEY

OWNERS

We Need Your Used Sports Cars.

Trade-in Allowances Now at All-Time High

Come In Today And Test Drive A New
MGB — MG 1100, Sprite Mark II, Healey 3000 Mark II, Spitfire and TR-4

STOCKTON SINCE 1927

Huntsville's Oldest New Car Dealer
And

One of the South's Leading Sports Car Dealers
511 MERIDIAN ST., N. PHONE 539-6557

IT COST **LESS**

to

Furnish Your Home

at

Sterchi's

North Alabama's Largest Furniture Store



DOWNTOWN HUNTSVILLE
Phone 534-5681

Also Sterchi Stores to Serve You at Scottsboro and Fayetteville.



Sold Only at **MIDAS**

MUFFLER SHOPS

PRICE Midas Costs Less with Free Installation

QUALITY Guaranteed As Long As You Own Your Car

SERVICE 15 Minute Service, Mufflers for all Cars

MIDAS BUDGET PLAN • NO MONEY DOWN
NO INTEREST • TERMS TO SUIT YOU

*If replacement muffler ever needed you pay only a \$4.00 service charge.

STORE HOURS:
8:00 A.M. - 6:00 P.M.

BOB WALLACE AVE. AT PARKWAY
TELEPHONE 539-5741



OPEN AER DRIVE—Col. William Luk (left) Provost Marshal at the Army Missile Support Command and Troop Commander, turns in the first Army Emergency Relief and Army Relief Society Joint Fund campaign check to the drive chairman, Maj. Richard C. O'Brien. The campaign opened on July 15.

DONATIONS

(Continued From Page 1)

the donor.

Monthly visits of the Bloodmobile to Redstone are in sharp contrast to other areas in Alabama, such as Ft. Rucker where it spends two days once a year and

averages 2,000 pints. Or, closer to home, the average 'take' a year in Limestone and Jackson Counties is 500 pints each.

Since there isn't a central point where blood collection records are kept, the Red Cross people at Redstone Arsenal can only speculate that their's is the largest monthly operation of its kind in the United States.

**STRIDE RITE SHOES
For Children**

Straight Last — Thomas Heels — Plain Shoes

Also

"SPARKLE TOES" By Alexis

The Junior Booterie

120 Southside Square — Downtown Huntsville
Phone 539-1112 — Open Thursdays til 8 p.m

JAMES G. BECK

Announces The Opening Of

His Office For The

General Practice Of Law

Room 204-205 Struve Building

Washington St., At Randolph

Phone 539-3496

SKIFTER

(Continued From Page 1)

visits to the Inertial Guidance and Control Laboratory and the Physical Sciences Laboratory.

At the Inertial Guidance and Control Lab, the group was shown components developed by scientists in the laboratory to guide a variety of Army missiles to the target. Director Jess B. Huff explained the background of the development problems involved, and mentioned what developments were hoped for in the future.

The Committee saw a plasma jet facility being used for re-entry research by the Physical Sciences Laboratory. The plasma jet resembles a large wind tunnel. But the gasses that flow through it at almost explosive speed are super heated by electrical discharge. Nose cone research was explained by Dr. Thomas A. Barr, Jr., chief of the laboratory's Applied Physics Branch.

CHEZ-PUP

(Continued From Page 1)

the post, using their normal, day-to-day routes.

During the drill, families of all military men residing on the Arsenal will evacuate their quarters, travel to designated fallout shelters, report in and return to their residences.

A portion of the family units will remain at the shelters to participate in the 24-hour test.

It will be the largest civil defense drill ever conducted in North Alabama.

Late Monday, a total of 20 persons had volunteered for one of the fallout shelter tests. They will include Mrs. Gene A. Susin, wife of a Staff Sergeant in the Provost Marshal's Office, and two Susin children, Barbara, 11, and Jack, 7.

Others will include Mrs. William Luk, wife of the Redstone Arsenal's Provost Marshal and Troop Commander and three Luk children, William, 9; Robert, 6; and Mary, 5.

Also participating will be Lt. Col. and Mrs. W. R. Bottoms. The Army officer is Post Chaplain at Redstone. Other participants will include Sp/4 and Mrs. Kenneth Knight, of the Sergeant Section, Army Ordnance Guided Missile School.

Mrs. Gloria Hickel, wife of Sp/5 Robert Hickel, will take part with their two children, Cathrine, 7 and Robert, 6. Others will include Mrs. Ruby Richards, wife of Capt. Donald Richards, and their four children, Lynne, 6; Catherine, 5; Keith, 4; and Ann, 2.

One of the purposes of the maneuver is to test the effectiveness of Redstone Arsenal's civil defense plan.

The exercise has been taking shape for several weeks. It is based on the assumption that

world tensions have been steadily increasing. The post will be evacuated when simulated tension is serious enough to merit the exercise.

Arsenal units taking part will include all elements of the Army Missile Command, the Army Missile Support Command, the Army Ordnance Guided Missile School; Marshall Space Flight Center, and some contractor personnel on an invitational basis.

The shelter stay is designed to test the occupancy criteria, and establish requirements for family fallout shelters.

Other objectives of the shelter tests will cover ventilation, humidity, temperature, radiation protection factors, sanitation, sound levels, psychological aspects of close confinement and vermin control.

Specific objectives of the mobilization exercise are to test warning nets, and signals, evacuation procedures, fallout shelters on a limited basis, emergency communications, and the relocation of re-

**General Dynamics
To Develop Mauler**

The U. S. Army has announced the award of \$15,000,000 to General Dynamics Corp., for continued development work on the Mauler Weapon system.

The work will be done at the corporation's Pomona, Calif., plant and in subcontractor plants.

Mauler is being designed as a compact, highly mobile weapon which will use solid fuel, radar guided missiles to destroy short range tactical missiles and rockets, and high performance tactical aircraft that bomb, strafe, harass or reconnoiter near forward area battle positions.

The weapon system program is managed by Col. N. T. Dennis, the Mauler Project Manager and his staff from headquarters at the Army Missile Command.

activation files.

REPRESENTING NEW YORK LIFE



G. W. (George) EILERS
M/Sgt., Ret.



W. H. (Bill) CLISSON
Lt. Col., Ret.

Res. 534-6220 — Bus. 536-6301 — Res. 881-1526
250 Governors Drive, SE — Huntsville, Ala.

WANT MONEY?

LOANS

From \$301. Up

For Any Good Purpose
... On Signature, Furniture, Automobiles, Real Estate.

Cash You Receive	24 Monthly Payments
\$400.	\$18.66
\$800.	\$37.33
\$1200.	\$56.00
\$2000.	\$93.33

CONSOLIDATE YOUR BILLS—PAY ONE SMALL NOTE!

Guardian



Discount

PHONE 539-2787

1004 MERIDIAN ST., NO.

HUNTSVILLE

**TIME TO ENTERTAIN
AT HOME AGAIN!**

...and the
best time
to serve



AMERICA'S
PREMIUM QUALITY BEER

Distributed By

TURNER BEVERAGE CO.

HUNTSVILLE — ALABAMA

THIS WEEK'S SPECIALS

From
ROBINSON'S

NO MONEY DOWN IF DESIRED!

<p>1958 PLYMOUTH Belvedere V8, auto., 4 dr. sedan. A gleaming solid black beauty. Perfect. \$895.00</p>	<p>1957 CHEVROLET Bel Air 4 dr., V8, auto., radio, heater, solid white. \$795.00</p>	<p>1957 FORD 4 dr. Town Sedan, V8, S. S., radio, heater. \$595.00</p>
<p>1959 CHEVY 4 dr., 6 cyl., S.S., clean little car. \$895.00</p>	<p>1955 DESOTO 2 dr. Hardtop, radio, heater. A real nice one. \$445.00</p>	<p>1958 VOLKSWAGEN Station wagon, new engine, new tires, excellent condition. Buy equity and assume 13 payments of \$43.96.</p>
<p>1959 MERCURY Monterey 2 dr. auto., radio, heater, solid white. \$895.00</p>	<p>1957 FORD 4 dr. Station Wagon, V8, Over- drive, radio, heater. \$595.00</p>	



I Will See You At . . .

**Robinson Auto
SALES**

733 MADISON STREET

Phone 539-8551

"One Block North of Huntsville Hospital"

About Missiles: More Safe Facts To Tell

EDITOR'S NOTE:

Last week The Rocket printed fact sheets on project managed missile systems which had been cleared for public release by the Department of Defense.

This was done to assist in acquainting personnel at Redstone with what can safely be said without violating security or policy concerning weapons systems which are managed here.

This week we are continuing by publishing releasable information about other weapons.

If you are interested in Corporal, ENTAC, LAW, Nike Ajax, Redeye, Redstone, SS-10 and 11, and TOW, keep reading.

Corporal

Equipped with either an atomic or conventional high explosive type warhead, the Army Corporal is a surface-to-surface guided missile capable of engaging tactical targets far beyond the ranges of artillery of the 280mm gun and Honest John rocket. The weapon gives the field commander far greater firepower on the battlefield and enables him to strike selected targets deep in the enemy rear areas.

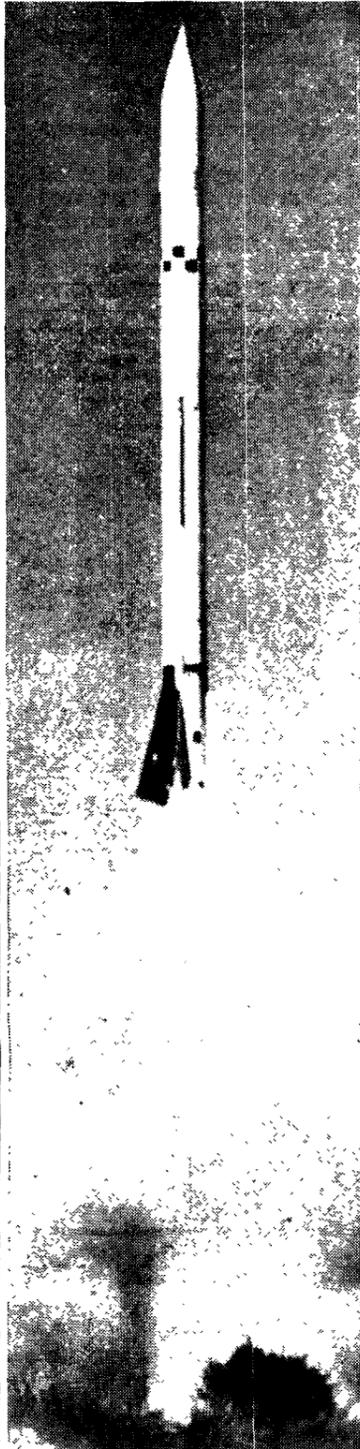
The Corporal follows a ballistic trajectory in its flight to the target. Weather and visibility conditions place no restrictions on the use of the weapon. Motive power is supplied by a powerful liquid rocket motor. The missile travels through space at several times the speed of sound.

Essential components of the weapons system include the missile, a mobile launcher and guidance equipment. The launcher is a comparatively simple device consisting of a light metal take-off pedestal. A self-propelled, hydraulically operated erector places the missile in firing position on the take-off pedestal.

As early as 1944, the California Institute of Technology, under an Army Ordnance contract, began experiments in the application of rocket propulsion to artillery range missiles. These predecessors of the Corporal were named Private, the Private First Class, and the Wac Corporal. Much of the field test work was conducted at the Army's White Sands Missile Range, New Mexico.

The early success of the experiments and the great potentialities of rocket propulsion led to the establishment of the Jet Propulsion Laboratory, an Army Ordnance-owned installation operated under contract by the California Institute of Technology. Recognizing the progress made in the field of rocket propulsion, aerodynamics and guidance, the Army requested the California Institute of Technology and the Jet Propulsion Laboratory to undertake a full-scale guided missile development project. Results of this program included the Corporal and Sergeant missiles.

The Corporal guided missile is produced by the Firestone Tire and Rubber Company and Gilfillan Brothers, Inc. The missile has been operational for more than four years and is deployed with Army



CORPORAL . . . Deployed in Europe

units in Europe.

Corporal procurement and field service activities are the responsibility of the Army Missile Command, Redstone Arsenal, Alabama.

Production of the missile has been completed.



ENTAC . . . Friend of the Infantry

ENTAC

ENTAC is a solid propellant, wire guided missile for use against enemy tanks and other armored combat vehicles. It will replace the SS-10 wire guided missile.

Lightweight and compact, the ENTAC is especially suitable for use by the Infantry. Weighing 37 pounds with its launcher, and 27 pounds without the launcher the missile is armed with a high explosive shaped charge warhead designed for maximum effectiveness against armor. The missile is directed to the target by an operator who maneuvers a swivel stick on a control device to give correction command transmitted through fine wires played out from the missile as it speeds to the target.

The name ENTAC is a contraction of the French identifying description, ENgin, Teleguided Anti-Char.

ENTAC was developed by the French government. The Army Missile Command is responsible for procurement, testing, evaluation and system management.

As ENTAC equipment becomes available, the presently used French SS-10 will be phased out.

Lacrosse

The Army's Lacrosse guided missile is an operational surface-to-surface weapon of great accuracy and mobility.

Lacrosse is general support field artillery guided missile for use in close tactical support of ground troops. It is an all-weather weapon capable of carrying nuclear and high explosive warheads and sufficiently accurate for destroying hard point targets. Lacrosse units will replace some conventional artillery units.

Using solid-propellant rocket

fuels, the Lacrosse is 19 feet long with a wingspan of 108 inches and is 20.5 inches in diameter. At lift off it weighs 2,360 pounds.

The Lacrosse system was developed under Army Ordnance contract by the Cornell Aeronautical Laboratory of Buffalo, New York, and is being produced by the Martin-Marietta Corporation's Orlando, Florida division.

The system includes the missile, a launcher mounted on a standard Army truck, and other ground equipment.

The Lacrosse enables the user to answer calls for fire in the same time as required for conventional artillery and with rapidity in the field comparable to that of 105mm howitzers.

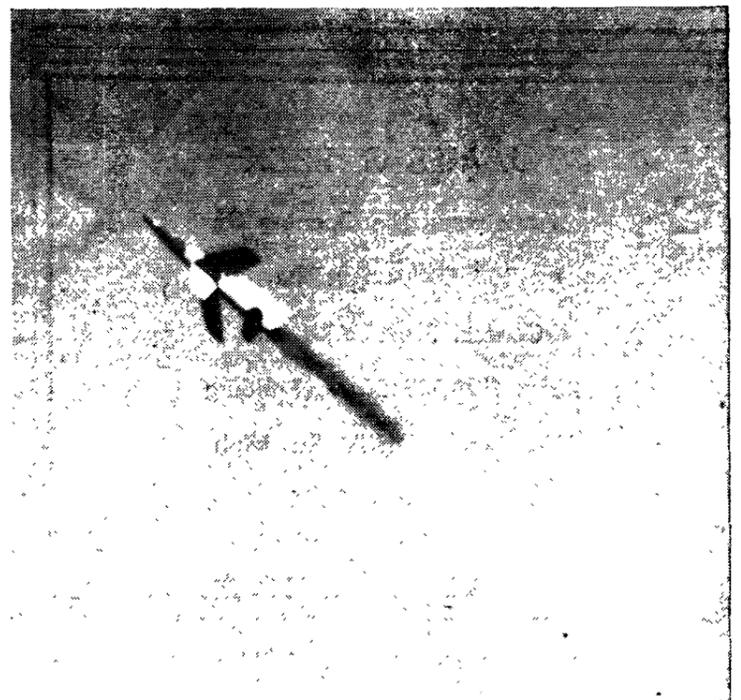
The Lacrosse has been issued to the troops and became operational on 1 July 1959. It is deployed in Europe.

Littlejohn

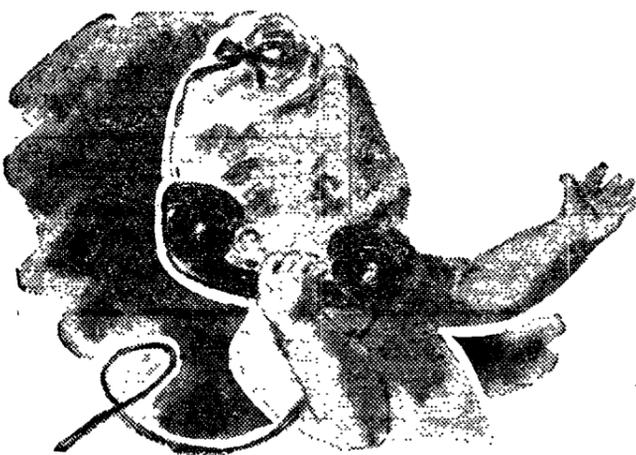
Type: Surface-to-Surface
Trajectory: Ballistic
Range: More than 10 miles
Guidance: None
Propulsion: Single-stage, solid propellant
Length: 14.5 feet
Diameter: 12 inches
Weight: Approximately 800 pounds
Warhead Types: Nuclear, non-nuclear.
Mobility: Ground mobile, or air transportable
Status: Operational

The 318 mm rocket, commonly known as the Littlejohn, is one of the Army's most advanced free-flight rocket systems. It is highly mobile and packs the explosive

(Continued on Page 5)



LACROSSE . . . Mounts on a Truck



"All My Clothes Are At . . . VALLEY CLEANERS

GETTING CLEANED SO I CAN GO ON MY VACATION"

Valley Cleaners at Parkway City



- 200 Beautiful Guest Rooms
- Air Conditioning & TV
- Rates from \$5.00
- Famous for Fine Food
- Free Night Parking
- Children Free
- Executive Conference Suite

BILL WRIGHT
General Manager
251-7243

LOANS

\$325 to \$1500

To Consolidate Bills — To Repair House
For Other Purposes

Phone 536-9675

For Your Money TODAY!

G. F. C. CREDIT CORP.

218 Holmes Ave., N.E.

Times Bldg.

MORE SAFE FACTS TO TELL

(Continued From Page 4)

power of heavy artillery. Littlejohn is capable of delivering warheads with an effectiveness that surpasses Army requirements. It is easily transported by vehicle or helicopter.

The rocket was designed and developed at Redstone Arsenal. It is under the systems management of the U. S. Army Missile Command. Littlejohn was designed to be used in Army airborne operations.

The weapon is produced by Consolidated Western Steel, Emerson Electric Manufacturing Company, Hercules Powder Company, U. S. Army Weapons Command, and the U. S. Army Munitions Command and its supporting contractors.

In contrast to a guided missile, Littlejohn is a free-flight rocket without electrical controls. Its deployment in the field is very similar to conventional artillery.

Littlejohn has been issued to troops in this country and abroad.

★ ★

LAW (M-72)

The M72 Rocket Grenade is a small, light and simple to operate individual soldier weapon. It can be carried and fired by one man using its disposable packing container as a launcher.

The weapon, a joint Army-industry development, is highly effective against tanks, armored vehicles, concrete bunkers, earth-filled log emplacements and sand bag fortifications.

It is readily adaptable to mass production.

The four and one-half pound M72 is carried over the shoulder in a throw-away case that serves as the launcher. Each grenade is fitted with a canvas sling to permit shoulder carrying.

The carrying case is 25 inches long and three inches in diameter. A telescopic aluminum inner section is extended prior to firing. The outer section is made of fiber glass plastic composition. The weapon can be fired from a standing, kneeling or prone position.

A solid fuel rocket motor furnishes propulsion and burns out before the rocket leaves the tube.

When the rocket emerges, several narrow magnesium fins, folded against the motor case when packed in the tube, spring into position and stabilize the rocket in flight.

Aiming is accomplished by a rear peep sight and graduated sight imprinted on a clear plastic rectangle at the mouth of the launcher tube. The firing mechanism is mounted on top of the launcher tube.

The warhead uses a powerful new Army Ordnance developed explosive known as OCTOL. Teamed with the 90mm Recoilless Rifle, the new rocket grenade will satisfy the Infantry soldier's need for protection against enemy tank attacks.

The Hesse - Eastern Division, Flightex Fabrics, Inc., Everett, Massachusetts, is the prime systems contractor.

The Army Missile Command at Redstone Arsenal, Ala., is the agency responsible for all the overall development program of the Army's newest light anti-tank weapon.

★ ★

Nike Ajax

- TYPE: Surface-to-air
- RANGE: More than 25 nautical miles
- SPEED: Supersonic
- CEILING: More than 50,000 feet
- PROPULSION SYSTEM: Solid propellant booster and liquid propellant sustainer.
- GUIDANCE: Command
- WARHEAD: Conventional
- WEIGHT: Slightly over 2,000 pounds
- LENGTH: 31 feet
- DIAMETER: 12 inches
- STATUS: Operational

The Nike Ajax was the United States' first supersonic anti-aircraft guided missile system.

The first tactical Nike Ajax unit was deployed to a site at Ft. Meade, Maryland in December, 1953. Although now being phased out by the Nike Hercules, the Ajax is still operational on some sites manned by Army National Guard personnel.

Much of the Ajax equipment has been pressed into service in other areas. The radars are used in surveillance and weather service and the missiles are being

used for training and experimentation.

The Nike Ajax is managed by the Army Missile Command at Redstone Arsenal, Alabama. The Western Electric Company is the prime contractor.

The Ajax served as a first generation missile from which followed the Hercules and the Zeus anti-missile missile.

The Ajax ground control equipment includes an acquisition radar, a target tracking radar, a missile tracking radar and remote control launchers.

The acquisition radar continually searches the sky with a 360 degree sweep. When a target is detected its position is relayed to the target track radar which pinpoints it for intercept purposes. The missile track radar issues guidance and burst commands to the missile.

The operating personnel of the system are located in a battery control trailer, a tracking radar trailer and a launcher control trailer.

★ ★

SS-10 & SS-11

Procurement of SS-10 and SS-11 anti-tank guided missiles and associated equipment for use by the Army was announced on April 12, 1959. Both are remote-controlled, wire-guided missiles with a solid fuel propellant and high explosive warhead capable of putting out of action any tank known to exist in present-day armies.

They can be hand-carried, dropped by parachute from planes, launched from the ground, a vehicle, helicopter or airplane. The SS-10 is basically designed for ground forces. The SS-11, while based on the SS-10, is a weapon complementary to it, having twice as much range, greater speed and effectiveness. The two missiles are produced by Nord Aviation, Paris, France.

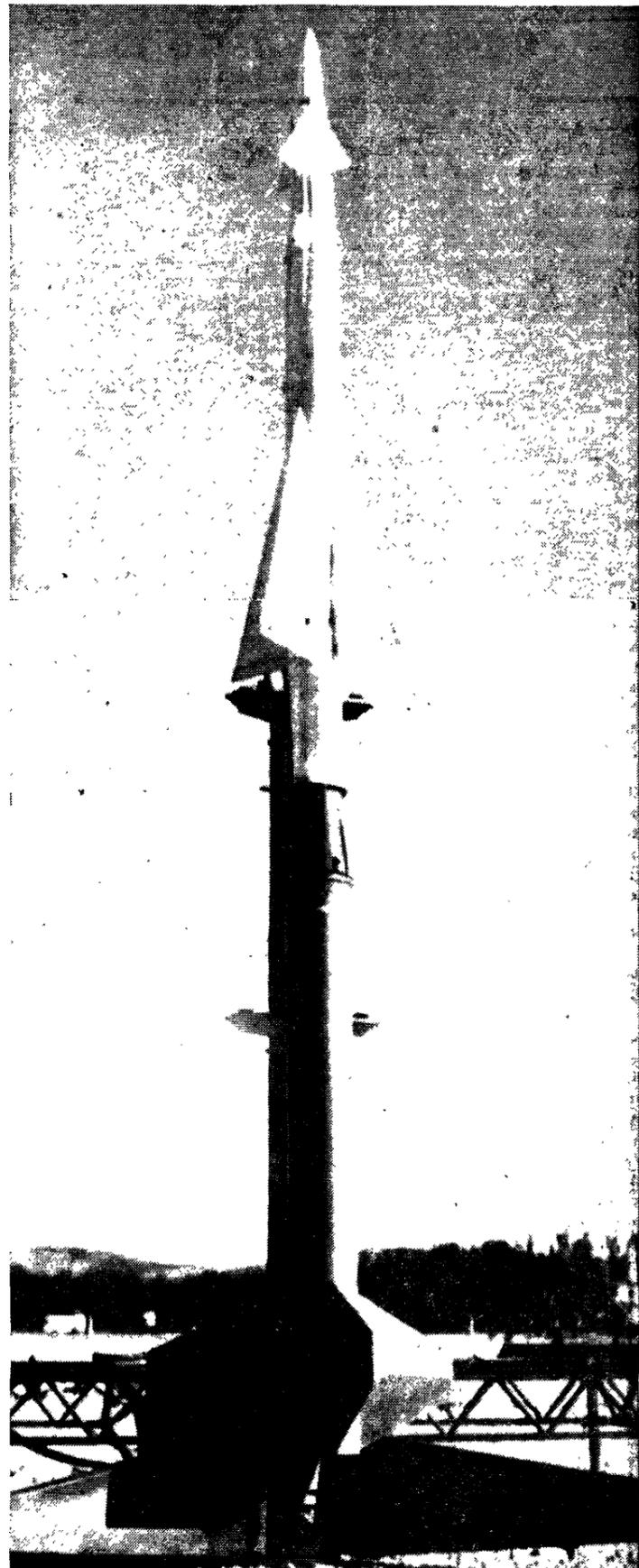
The SS-11 has been procured by the Army for evaluation.

★ ★

TOW

(Tube Launched Optically Tracked Wire Guided Missile)

TOW, now undergoing system definition, is being developed for use by the infantryman against heavily armored tanks. The tube launched missile may be carried by the troops or in light vehicles



NIKE AJAX . . . Pioneer in Air Defense



LAW . . . One-Man Weapon

(jeeps, tracked vehicles, M-113 personnel carriers).

TOW, although similar to other anti-tank missile systems, uses somewhat different guidance principles. The optically tracked TOW missile is automatically guided in flight by commands transmitted by means of a two-wire link between the gunner and

the missile.

Feasibility studies on the new system began January 14, 1962. Hughes Aircraft, Culver City, California, successful competitor in a feasibility concept competition, was awarded a contract for further system definition in August, 1962, and was awarded a development contract in January,

(Continued on Page 6)

money

Just tell us how much money you need to meet all your seasonal expenses! Phone before noon to arrange for your money the same day! Do it now!

Under State Supervision

LOANS UP TO \$300



106 South Side Square
Phone: 536-8591
109 Holmes Ave., N.E.
Phone: 534-0611
In Decatur
121 East Moulton St.
Phone: EL 3-4413

Pay all your bills with a CONSOLIDATION LOAN. This way, you will have less to pay out each month and only one place to pay. Phone us today for prompt, courteous service!

LOANS \$301 AND UP



106 South Side Square
Phone: 536-8591
109 Holmes Ave., N.E.
Phone: 534-0611
In Decatur
121 East Moulton St.
Phone: EL 3-4413

MORE SAFE FACTS TO TELL
(Continued From Page 5)

1963. The Anti-Tank and Aircraft Weapon Commodity Manager at the U.S. Army Missile Command directs the development of the new anti-tank weapon.

Redeye

TYPE: Surface-to-air (shoulder fired)
SPEED: Supersonic
PROPULSION SYSTEM: Solid fuel
GUIDANCE SYSTEM: Infrared
WARHEAD: Conventional
WEIGHT: Approximately 25 pounds
LENGTH: Approximately 4 feet
DIAMETER: Approximately 3 inches
STATUS: Development

The Redeye missile is designed as a man-portable, shoulder fired weapon to provide combat troops with the capability of destroying low-flying aircraft.

The missile is a cylinder, housing an infrared guidance system, a high-explosive warhead and a solid propellant motor. The missile is fired from a light tubular launcher which also serves as a carrying container.

In the field the launcher, housing the missile, can be carried through underbrush and over rugged terrain where no other air defense weapon can go.

The Redeye is designed to be effective at altitudes and ranges commensurate with a close-in defense of field Army positions and Marine Corps operations against low level attack aircraft.

The Redeye is managed by the Army Missile Command at Redstone Arsenal, Ala. General Dy-

namics/Pomona is the prime contractor.

Redstone

The Redstone ballistic missile is a high accuracy, liquid propelled, surface-to-surface missile capable of transporting nuclear or conventional high explosive warheads against targets at ranges up to approximately 200 miles. It is 69 feet long.

Its inertial guidance system is entirely self-contained. Once launched it follows a pre-planned ballistic trajectory to the target independent of outside influences. This characteristic, plus its terrific speed, renders it completely immune to known types of countermeasures.

The Redstone missile, launching equipment and fuel are transported in a truck convoy and can be air lifted.

It was developed by the Army at Redstone Arsenal, Alabama.

The Chrysler Corporation is the prime production contractor.

The missile is handled by Field Artillery Missile Groups (Redstone) the first two of which were trained at Redstone Arsenal and have been deployed in Europe.

Redstone was the forerunner and contributor to an even more potent weapon, the 1500-mile Jupiter, the first Free World intermediate range ballistic missile to be successfully launched.

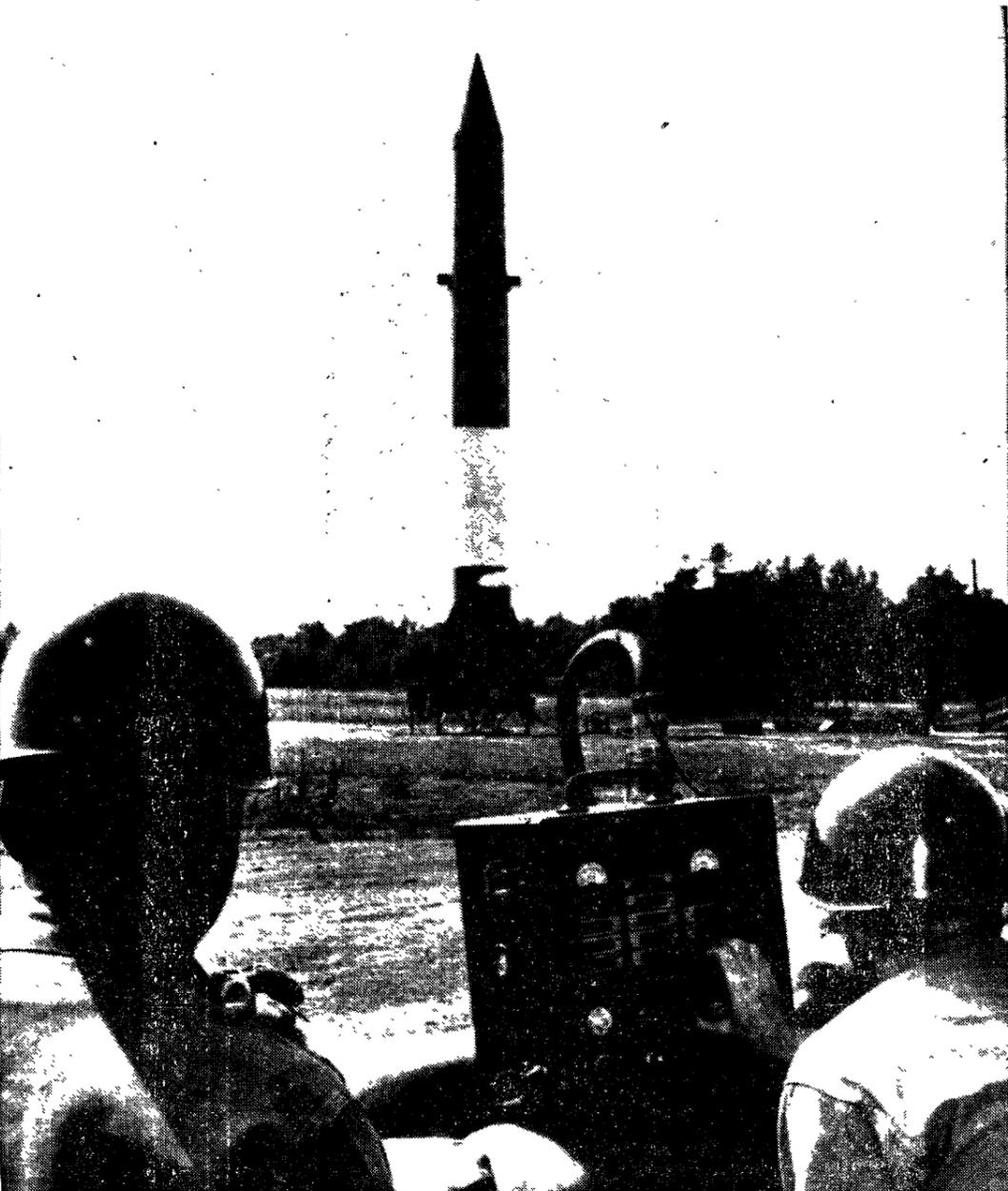
The Redstone was used as the first stage of the composite rocket vehicle called Jupiter C launched by the Army in January, 1958, which successfully orbited the Free World's first earth satellite.

Redstone boosters were also modified and used as launch vehicles by the National Aeronau-

tics and Space Administration to their first suborbital space flights' Production of the missile has boost American astronauts on during 1961. been completed.



REDEYE . . . Infrared Guidance



REDSTONE . . . The First

We Feature BROASTED CHICKEN

With Salad, F.F. Potatoes
Hot Buttered Rolls
1/2 Chicken 99c



RIB 1 STEAK

Red Magic Cooked—8 oz. Tender mouth watering
French fries, Slaw or Salad.
Hot rolls — Butter.

\$1.69

Try Our **PURE MEAT HAMBURGER STEAK**

With Salad — F. F. Potatoes
Hot Buttered Rolls

85c

VEAL CUTLET

Fried Golden Brown, Salad, F. F. Potatoes
and Hot Buttered Rolls.

85c

Try Our **SPECIAL CHUCK WAGON STEAK**

With Salad, F.F. Potatoes
Hot Buttered Rolls

85c

HICKORY SMOKED BAR-B-Q PLATE

With Cole Slaw, Potato Chips
or French Fries.

1.25

Childs 'Plate' ----- **95c**

Phone In Order Ahead To Be Ready When You Arrive

Our Own Bar-B-Q to Go
Pork, lb. \$2.00
Beef, lb. \$2.25
Chicken, (Whole) \$1.25

Bucket of CHICKEN \$1.99 Per Bucket
Will Serve 6 People
French Fries, lb. 80c
Slaw, Pt. 35c
Pick Up at Rear Drive Window

SNO-WITE Drive Inn

WHITESBURG DRIVE

OPEN 24 HOURS — 7 DAYS A WEEK

Alabama Motors Has Moved To A New, Big Lot . . .

220 WEST CLINTON STREET ACROSS FROM STATE NATIONAL BANK
(Former Location of Clean Cars, Inc.)

CHECK THESE FOR GOOD BUYS!

'56 CHEV. BEL AIR
2-dr. sedan. Real sharp, V-8, auto. No money down, \$34.80 month.

1961 F-85 OLDSMOBILE
6 passenger wagon. Loaded. Includes air. New car trade-in. Extra sharp. **\$2190.**

'59 T-BIRD
Southern car. Auto., power steering and brakes. Real clean. **\$1595.**

'59 VOLKSWAGEN
2-dr. sedan, Chattanooga, Tenn. car. One owner. Extra clean. **\$1090.**

'60 AUSTIN HEALEY '3000'
Deluxe Roadster. Special at \$1495. Str. sale only—No. Trade!

'60 BORGWARD WAGON
One owner, Atlanta, Ga. car. Extra clean. **\$845.**

'56 FORD VICTORIA
V-8, auto., black and white. Real sharp. No money down. \$34.88 month.

1962 BUICK LeSABRE
2-dr. sedan, like new. New car trade-in. **\$2390.**

1962 OLDS '88'
4-dr. Sedan. Also new car trade-in. Like new. **\$2190.**

1960 CHEVY STATION WAGON
New car trade-in. Extra clean. 9 pass., V-8, auto. **\$1495.**

1962 PONTIAC CATALINA
4-dr. New car trade-in. Like new, double power. **\$2295.**

"We Buy and Sell Sports Cars"

ALABAMA MOTORS OF HUNTSVILLE, INC.

220 W. CLINTON ST.

PHONE 536-0491

High Pay, Challenging Work Are No Longer 'All'

CAPE CANAVERAL — Challenging work and high pay in the aerospace and missile field are no longer enough to attract and hold good engineers, scientists and technicians.

This was the advice given Central Florida aerospace and government leaders by Col. Foster L. Furphy, Chief of Staff of the U. S. Army Missile Command.

He also pointed out that the University, at the urging of community, military and space agency leaders, decided to locate a research institute at Huntsville.

In announcing that last night's address was probably his last in uniform before his retirement, ending 27 years of commissioned service, Col. Furphy made several observations concerning new

concepts in Army missile weapon's system management.

He pointed out that under old Army weapon's system management procedures, it was difficult to fix responsibility, to get quick decisions and exploit technological breakthroughs.

"Creation of the Army Materiel Command fixed responsibility once and for all," he said, referring to the Army's shift to vertical project management, placing funding, personnel and centralized authority under one man.

Col. Furphy also pointed out that other new techniques in system management have been initi-

ated, including advanced planning methods, program evaluation and review (PERT), and computer analysis of program status.

"Cost-plus incentive fee type contracts are becoming the rule rather than the exception," he said.

"Recently we (Army Missile Command) contracted an entire missile system research and development program in a single package rather than a yearly basis," Col. Furphy announced.

Col. Furphy addressed the AOA group following a tour of Cape Canaveral facilities.

EQUAL EMPLOYMENT TALKS

Hammond Smith, 5th Civil Service Regional Director from Atlanta, is in Huntsville to discuss "Community Approach to Equal Employment."

Smith has briefed management heads of Federal Government agencies and offices at Huntsville, Redstone Arsenal and the Marshall Space Flight Center.

The U. S. Savings Bonds sold each day would stretch 34 miles. In terms of "votes for freedom,"



COL. F. L. FURPHY

Col. Furphy made the statement during an address to members of the Peninsula Post, American Ordnance Association, at Patrick Air Force Base, Fla.

The constant demands for good workers have created a seller's market for individuals working within the missile and space industry, Col. Furphy told the AOA group.

"If you cannot offer readily available educational facilities for him (individuals working in the missile and aerospace field) I can assure you that there are many other regions which can," Col. Furphy said.

He told the AOA members that the Army and NASA at Huntsville long ago realized that to attract and hold high quality personnel, more (educational facilities) had to be offered in addition to challenging work and high pay.

"We have followed similar efforts being made here in Central Florida to secure facilities with more than academic interest," he said, pointing out that the Army at Redstone played a major role in securing the University of Alabama Center at Huntsville which offers graduate level instruction.

LOCAL & LONG DISTANCE MOVING • STORAGE



"A Mayflower Move Is A Good Move"
Call 534-2445

WHITE-MAYFLOWER

TOWN HOUSE FURNITURE IN DECATUR



NORTH ALABAMA'S FINEST EARLY AMERICAN

Famous nationally-known lines at 25% less than Furniture Store Prices.

- Broyhill TV Price Is Right. Living and Bedroom Groups
- Williams Complete Fireside Group
- Bassett Chimney Corner maple group
- Heywood-Wakefield
- Willett Solid Cherry
- Dearborn's Ball and Pin
- Westinghouse's full line.

Town House Furn.
210 Ferry St. Decatur, Ala.
PHONE 353-6742

KNOWLEDGEABLE PEOPLE

Insist Upon Credit Union Financing



Because It COSTS LESS!

And the time to best benefit is before the deal is closed on a new car purchase. You avoid the penalties higher rate lenders may charge you for later switching-over to a lower-cost Credit Union loan.

So, don't settle for less than the best in your automobile financing.

The reduced Credit Union interest cost is 8/10% per month on the unpaid balance. Without additional cost, you are protected with life insurance equal to the balance outstanding, subject to the

liberal terms of the group insurance coverage.

How much is 8/10%? On a \$100 loan repaid in twelve months, the cost is \$5.28. It's amazing, the difference in this rate and the rates you may pay elsewhere.

Call or visit your Credit Union when you are ready for your new car. We'll be pleased to serve you!

Credit Union members enjoy the finest benefits in dealing with and promoting their own organization.

MAIN OFFICE

BUILDING 3649

—OPEN—

9:00 A.M. to 4:00 P.M.

MONDAY Thru FRIDAY

Account & General Information 876-5720

Loan Department 876-5883

BUILDING 4488 BRANCH OFFICE

—OPEN—

9:30 A.M. to Noon

12:30 P.M. to 3:30 P.M.

MONDAY Thru FRIDAY

Phone 876-4879

PARKWAY CITY BRANCH OFFICE

(On the Mall)

PARKWAY CITY SHOPPING CENTER

—OPEN—

NOON to 8:00 P.M., DAILY

SATURDAYS, 9:00 A.M. to 5:00 P.M.

Phone 539-5172

NOTICE

These part-time Branch Offices will be discontinued effective July 20, 1963:

HIC Building No. 1 Branch Office

Phone.....539-8331

Building 5681 Branch Office

—OPEN—

12:30 P.M. to 3:30 P.M.

MONDAY Thru FRIDAY

Phone.....876-6464

IMPORTANT ANNOUNCEMENT
COMING SOON!

WATCH FOR IT!



REDSTONE FEDERAL CREDIT UNION
A Cooperative Savings and Loan Corporation

Redstone Arsenal, Alabama

SOCIAL ^{and} CLUB EVENTS

French Hold Bastille Day Reception

Maj. Raymond Terry, French Liaison Officer at the U. S. Army Ordnance Guided Missile School, and officers of the French Army detachment and their wives were hosts Sunday evening at a Bastille Day reception at the Squirrel Hill Officers Club.

Traditional toasts in champagne were made by some 100 guests who called during the evening to mark the 174th anniversary of the destruction of the ancient French political prison, an event which marked the beginning of the historic French Revolution in 1789.

Sojourners Elect To Fill Vacancies

The July dinner and business meeting of Redstone Chapter No. 353 of the National Sojourners was held at the Redstone Officers Club last Friday night.

The vacancies caused by the departure of Maj. P. E. Bursleson, first vice president and Maj. P. A. Pencola, second vice president were filled by CWO John C. Dodd and Col. Norman T. Dennis respectively.

As the new third vice president, CWO Whalen is in charge of the chapter's Americanism program.

The guest of honor and speak-

MRS. WASHBURN, DONALD FRENCH WIN AT BRIDGE

Monday night party bridge was won last week by Mrs. Reynolds Washburn and Donald E. French at the Squirrel Hill Officers Club.

Among the nine tables in play, Mrs. Robert Scott and Wes Scott were runnersup.

Reservations to play with the group may be made with Mrs. Jerry Maloy, 877-5627.

FELLOWSHIP TO DINE

The Protestant Fellowship of the Post Chapel will hold a dinner meeting at the Post Chapel tomorrow night at 6 p.m.

Capt. George Kuykendall heads the evening's program following a theme of Independence. Discussion and questions will follow the guest speaker's address on "Can We Be Christian and Be Completely Independent?"

Mrs. Carol Grove, 877-5433, is chief hostess and is handling reservations.

COFFEE SCHEDULED

The Red Cross Gray Ladies and other volunteers will have a Coffee at the Squirrel Hill Officers Club at 10 a.m. Aug. 1.

Mrs. Glenn L. Bass, Chairman of Volunteers, has asked everyone to wear the volunteer uniform.

er of the evening was Col. Norman T. Dennis, the new second vice president, who is the Mauler Project Manager of the Missile Command.



ARSENAL VISITORS—Capt. and Mrs. Paul Ruud with their children, Catherine, 13 months, and son, Paul, Jr., 10 weeks, are visitors in the home of Mrs. Ruud's parents, Maj. Gen. and Mrs. F. J. McMorrow on Redstone Arsenal. The Ruuds are visiting the McMorrow while on leave from Laon Air Base, France. Gen. McMorrow is the Commanding General of the Army Missile Command.

Movie Schedule

WEDNESDAY, July 17
"Crooks Anonymous" (F)
THURSDAY-FRIDAY, July 18-19
"A Ticklish Affair" (F)
SATURDAY, July 20
"Murder at the Gallop" (F)
SUNDAY-MONDAY, July 21-22
"Who Was That Lady" (M)
TUESDAY, July 23
"13 Frightened Girls" (M-YP)
Two shows nightly at 6 and 8:30 p.m., Saturday matinee at 1 p.m., and Sunday matinee at 2 p.m.

Grand Prize for the Enlisted Man who names the title of the mystery tune for the evening.

On Sunday morning, July 21, we have the solution for your wake-up problem—Hot coffee and donuts will be served in the Service Club kitchen at 9 a.m.

Yours Truly will be calling the lucky numbers for game night on Monday July 22 at 8 p.m. Let's hope that you will go home with the grand prize.

The highlight of the month's program is The Good Old Summer Time Ball, July 23, at 8 p.m. Buddy Bair and his orchestra will furnish an evening of delightful dance music, which you will not want to miss. Put on your dancing shoes and come out for a good time.

Even though July is fading away fast, we still have a well-rounded summer program planned for August. Keep your eye on this column each week and Brenda will inform you on the Service Club events.

About 4 percent of all Federal jobs are surveyed each year to determine whether Government workers are properly qualified in accordance with Civil Service Commission standards.

At the Service Club

By: Brenda Hanson

The glorious days of summer bring about picnics, swimming parties, and vacations. Speaking of vacations, Brenda has just returned to work with a Miami suntan.

Since most of you have returned from vacations with that let down feeling, the Service Club has planned a July program, which will consist of summer time activities that will liven your spirits.

Starting tonight at 7 p.m., David Izen will be on hand to teach you the latest popular dances. Don't stand around the side lines any longer and watch everyone else have fun when you could be having fun too. Come out tonight and learn to dance.

On Thursday July 18 at 8 p.m., a Post-Wide Chess Tournament will be held. Trophies will be awarded to the winners and the winner's company commander. If you haven't signed up for the tournament, stop by the Club and sign up in the Service Club office.

Attention all card players! Your favorite card games will be played on Friday July 19 at 7:30 p.m. Bring your card partner with you. Who knows!! You may go home with the prize.

Name That Tune, our monthly musical quiz game, will be played Saturday July 20 at 8 p.m. Prizes

will be given to those who can name the popular tunes of the day. An adjustable razor is the

For The Career Girl —

Come, Find Exciting Fashion News and TREASURED CLASSICS in

MIRACLE BLENDS

including:

- COMBED COTTONS and all the other carefree blends
- FORTRELL
- DACRON BLENDS

All Just Right for the Working Girl's Late Summer and Early Fall Wardrobe.

The Town & Country Shoppe

DOWNTOWN HUNTSVILLE

Open Wednesday Afternoons—Until 8 p.m. Thursdays



There's MAGIC for You In a NEW HAIRDO!



Special on Quality Permanents!

Reg. \$18.50 \$12.50

Reg. \$15.00 \$10.00

Includes Styling, Shampoo & Set.

— For Beauty Dial —

NITA'S Beauty Salon

HEART OF HUNTSVILLE SHOPPING MALL

539-1845

—or—

NITA & DAVE'S SALON OF BEAUTY

PRESTON BLDG., COR. JORDAN LANE & HOLMES

Phone 536-8841

Summer Headlines!



Summer's a breeze when we style your hair in a carefree coiffure perfect for sunning and swimming! Call and arrange for regular appointments.

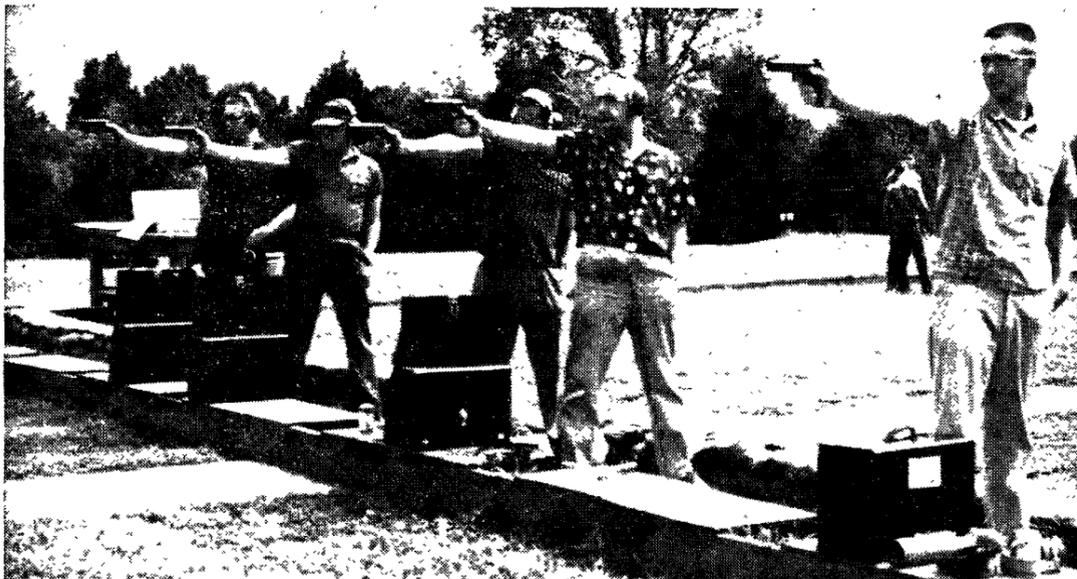
Quick's Beauty Salon

117 GREENE ST., S.E.



Downtown Huntsville

PHONE 534-5441



PISTOL PACKERS WIN—Redstone Arsenal's pistol team, which has been having success against other teams in the region, shot a special match against the Huntsville Archery Club last Sunday to win again. Left to right are: PFC Stephen Mihalik, M/ Sgt. Roland Martin, SFC Elmer Biel, SFC Wesley Johnson and PFC Donald Stadelman.



ARCHERS LOSE—Archers from the local club shot against Redstone Arsenal's pistol team in a special match Sunday. The archers shot from 25 yards, the pistol shooters from 50 yards. Final score: 2781 for the pistols, 2697 for the archers. Left to right are: Margrat Labbe, Jeannine Reed, Lloyd Coats, Tommie Logan and W. C. Wigley.

SP5 Violette Sweeps Field As Sharpshooter At Meet

SP5 John R. Violette shot himself right out of the Marksman Class into the Sharpshooter Class at the Tri-State Tournament held recently at Chattanooga.

The tournament, sponsored by the Chattanooga Rifle Club, drew a field of approximately 30 competitors from Alabama, Tennessee, Georgia and North Carolina.

Violette brought home the grand aggregate trophy winning the 50 yard metallic sights match; scored a perfect 400 in the 50 meter match as first sharpshooter, again he took the 100 yard metallic sights, and the any sights 50 yard match as well as the 50 meter any sights match. He was second on the 100 yard any sight match.

Team mate S/Sgt. Obie S. Muetting, shooting in the marksman class scored second in the 50 yard metallic sights, first in the 50 meter metallic sight; first in the Dewar metallic sights, and second on the metallic sight aggregate.

At 50 yards with any sight he

was first, and in the 50 meter any sight he was first. On the Dewar course and the 100 yard match he was first to win the grand aggregate.

SP5 Nicholas P. DiMona, shooting as a Sharpshooter, came up with a first on the 50 yard metallic sight; second on the 50 meter metallic sight; second on the Dewar; second on the metallic sight aggregate and placed second on the 50 meter any sight to take second place in the grand aggregate.



GREEN STAMPS

Cash and Carry Only!

CORUM'S

Shirt Laundry
and
Finer Cleaning

South Memorial Parkway

ENJOY "OK" USED CAR SAVINGS
B-U-Y WITH WARRANTED CONFIDENCE
HILL CHEVROLET CO.



Dave Hetherington

School Director for
NITA & DAVE'S
BEAUTY SCHOOL

Is Happy To Announce
Opening For 5 New
Students . . .

Financing Available
For Tuition

Job Guarantee When
Graduated . . .

OUR SCHOOL TEACHES STYLING, COLOR AND
PERMANENT WAVING.

Make the Highest Salary . . .

Day or Night Classes!

Member National Hair Dressers and Cosmetology Assn.

NITA & DAVE'S BEAUTY COLLEGE

3215 GOVERNORS DRIVE

PHONE 539-2461

**FOR A JULY SPECIAL
ON PERMANENTS
CHECK THESE . . .**

REG. \$25.00 NOW \$15.00

REG. \$20.00 NOW \$12.50

REG. \$15.00 NOW \$10.00

EXTRA SPECIAL!

Free With Each Wave a Special Gift
Valued at \$2.00

— PHONE 534-5472 —

(Sadie Stanley (Owner)
Gladys Thompson (Stylist)
Faye Anderson (Stylist)

Open 8 a.m.-9 p.m.

Sadie's Beauty Salon

"Pearsall Shopping Center" — No. Memorial Parkway



Pulling a
rabbit out
of a hat is
a trick, but
the way milk
gives you an
energy-lift
is a treat!

Milk works wonders as a health builder.
Nothing else that tastes so good is so good
for you!

Meadow Gold Dairies

CLINTON STREET — HUNTSVILLE, ALA.

MONEY

For

**HOME LOANS
FARM LOANS**

Ask for details on the low-cost
long-term real estate loan plans
now available.

• Also All Types of Insurance

GATES

Insurance Agency

303 Terry-Hutchens Bldg.
Office Phone—534-0371
Home Phone—534-6308

● A Ribbon Here . . .

● A Wave There . . .

● All Balanced Together

Make a Lovely Picture—

BALANCE YOUR BEAUTY



PHONE 536-3941 or 536-0779

OPEN EVENINGS BY APPOINTMENT

PLENTY FREE PARKING — — EXPERT STYLISTS

GRADY'S BEAUTY SALON

2009 SEMINOLE DR., S.W.

"Corner Governors Drive and Seminole"



RECEIVE SPRAGINS TROPHIES—Winners in the annual Spragins Golf Tournament among the Golf Group sponsored by the Redstone Arsenal Officers Wives Club line up with the tournament sponsors before lunch at the Squirrel Hill Officers Club. Left to right are: Mrs. E. O. Sentar, tied for second place low putt; Mrs. Charles Holmes, low putt; Mrs. R. L. Spragins, co-sponsor with her husband, Maj. Gen Spragins (ret.) on right of Mrs. William Kaiser, the tournament manager; Mrs. C. J. Payne, winner of the tournament, Mrs. R. J. Schofield, runner-up; and Mrs. E. W. Powell who tied with Mrs. Sentar.

Gen. Spragins Awards Tournament Trophies

Mrs. C. J. Payne, won the annual Spragins Golf Tournament at the Redstone Arsenal Golf Course Wednesday.

Mrs. Payne is one of the hardest hitting of the Golf Group sponsored by the Redstone Arsenal Officers Wives Club.

Maj. Gen. R. L. Spragins (ret.) handed out the trophies at a lunch in Shay When after Wednesday's play.

Mrs. Spragins presided as hostess at the event which was at-

tended by 50 members of the group.

Runnerup in the tournament was Mrs. R. J. Schofield. Low putt score was made by Mrs. Charles Owens and the runnerup slot was tied between Mrs. E. O. Sentar and Mrs. E. W. Powell.

The lunch table was spiced with a row of potted red geraniums in green pots with pipecleaner golf-

Beginners Receive Swim Certificates

Thirty-nine boys and girls received Red Cross Beginner Swimming certificates at the Special Services pool July 8.

PFC Bob Roynolds and PFC Bill

ers alternating in the makebelieve garden. The head table sported a pair of oversize golf clubs carrying out the red, white and green color scheme.

Karback of the 291st MP company are serving as the Red Cross certified water safety instructors for the 1963 Joint Activities Council Swimming program.

Most of the young people will increase their skills throughout the 12 weeks swimming program by enrolling in more advanced classes.

The nine reported drownings over the 4th of July holiday weekend in Alabama serves as a sad reminder to emphasize the importance of learning to swim and to swim well.

MEN AND WOMEN Learn . . . I.B.M. Business Automation in only 14 WEEKS

(Classes Now Forming)

COURSE INCLUDES:

- 407 Accounting Machine
 - 403 Accounting Machine
 - 402 Accounting Machine
 - 514 Reproducer
 - 085 Collator
 - 082 Sorter
 - 552 Interpreter
 - Board Wiring
 - Free Life-Time Placement Service
 - Free Life-Time Brush-Up Course
- ENROLL TODAY!**

Alverson-Draughon College

Top of Times Bldg. 210 Stallings Bldg.
Huntsville, Ph. 534-2466 Birmingham, Ph. 322-7454

"The best jobs go to Alverson-Draughon College graduates."

Lady Golfers Shoot Flag Tournament

The Flag Tournament held last Wednesday by the Golf Group sponsored by the Redstone Arsenal Officers Wives Club was won by Mrs. C. J. Payne.

Mrs. H. E. Ammerman was second with Mrs. R. J. Schofield third and Mrs. Daniel Shepherd fourth.

The Group plays Wednesdays at the Arsenal Golf Course.

Bill's ^{quality} MEN'S WEAR ^{quality} Annual Summer Clearance

- Downtown
- Parkway City
- Heart of Huntsville

Now In Progress!

REMEMBER TO REGISTER AT ANY OR ALL 3 STORES FOR FREE \$100.00 MERCHANDISE CERTIFICATE — NO OBLIGATION!

We are pleased to sponsor this sale of true values in famous quality brand names at low clearance prices up to 50% Off our regular prices.

Summer SUITS

Regular Price	SALE PRICE
\$29.50	\$19.77
\$39.50	\$28.77
\$49.50	\$37.77
\$59.50	\$42.77
\$69.50	\$52.77
\$79.50	\$57.77
\$89.50	\$68.77
\$99.50	\$77.77
\$125.00	\$87.77

Very Good Selection Still Available

Summer SLACKS

Dacron - Cottons,
Dacron - Wools,
Dacron - Rayons,
. . . and other cool blends.

Regular Price	SALE PRICE
\$ 9.95	\$6.77
\$11.95	\$7.77
\$14.95	\$9.77
\$16.95	\$11.77
\$19.95	\$14.77
\$22.95	\$17.77

Sizes 28 thru 50. Latest Colors and Fabrics. No Charge for Alterations.

ONE LARGE GROUP
Of Quality
Brand
Name
SHOES
At Bill's
Parkway City
Only
1/2 Price

Special Value TABLES

Groups of Quality Merchandise at Ridiculous Prices At only a Fraction of Their Original Cost!

Our Complete Line of SPORT SHIRTS Greatly Reduced!

Regular Prices:	Sale Prices:
\$ 4.95	\$ 3.77
\$ 6.95	\$ 4.77
\$ 8.95	\$ 5.77
\$10.95	\$ 6.77
\$12.95	\$ 8.77
\$14.95	\$ 9.77
\$17.95	\$11.77
\$25.00	\$13.77

SO SMART TO WEAR
SO SMART TO GIVE

Artcarved
DIAMOND PENDANTS

New ideas, new grace, new loveliness of designs and settings make this an exciting time to select the Diamond Pendant of her dreams. Not just any pendant, but an Artcarved—America's most trusted diamond value.

Evening Star Pendant \$115.00
(From \$75.00 to \$1,500)
enlarged to show detail

A. L. HIPPIE
JEWELER

"OUR 61ST YEAR"
Downtown Huntsville

Visit Our Second Floor Gift Shop!

We Are Closed on Wednesday Afternoons

Scoreboard

Baseball Results

July 3
1ST ETC

ab	r	h	
Adcock, 3b	4	1	2
Jensen, 1b	2	0	0
Pringle, 1b	1	0	0
Flynn, ss	4	2	2
McNutt, cf	4	1	3
Downing, p	3	1	0
Grey, lf	4	2	1
Miller, rf	4	0	1
Mahoney, 2b	2	0	1
Newcomer, 2b	2	1	1
Quigley, c	4	1	1

Totals

34	9	12
----	---	----

1st ETC... 0 0 0 3 4 1 1 XX—9 12 4
291st MP Co.—0 0 0 2 2 0 0 XX—4 2 2

291ST MP CO.

ab	r	h	
Harris, 2b	3	0	1
Jefferson, 3b	3	0	0
Reynolds, 1b	3	1	0
Gebhard, p	4	0	0
Williams, ss	3	2	0
Johnson, 2b	4	1	0
Simmons, lf	0	0	0
Floyd, c	3	0	0
Hunter, cf	2	0	1
Evans, rf	3	0	0

Totals

28	4	2
----	---	---

Final League Standings

Team	Won	Lost
Co. A OGMS	8	0
Hq. U. T. C.	4	4
1st E. T. C.	3	5
291st MP Co.	3	5
Co. B OGMS	2	6

Batters (Baseball)

(based on 20 or more times at bat)

ab	h	avg.
Anderson, Co. A	30	.400
Harris, 291st MP	21	.381
Sabourin, Co. A	25	.360
Richards, Co. A	33	.303
McNutt, 1st ETC	24	.292
Drabczyk, Co. A	29	.276
Lyles, Co. A	22	.273
Burkes, Co. A	22	.273
Jensen, 1st ETC	23	.261
Rooney, Co. B	20	.250
Adcock, 1st ETC	28	.250

Softball Results

July 3

Hq. AMC 21—Med. Det.—3
Hq. AMSC 3—Hq. UTC—2.
Officers 9—291st MP—4
Co. A OGMS 6—Co. B OGMS—5

July 8

Hq. UTC 7—Hq. STC—0
Hq. AMSC 5—Co. B OGMS 3
Officers 4—Hq. AMC—1
291st MP Co. 9—Co. A OGMS—8

July 10

Hq. AMSC 6—Co. A OGMS 3
Officers 32—Hq. STC—4
Hq. AMC 6—Co. B OGMS—5
Hq. UTC 12—Med. Det.—2

Softball League

(as of July 11)

Team	Won	Lost
Hq. AMSC	20	2
Co. A OGMS	16	6
Officers	14	9
Hq. AMC	14	10
Med. Det.	12	9
Co. B OGMS	8	13
291st MP Co.	8	13
Hq. UTC	8	15
Hq. STC	4	14

Bowling

SUMMER MIXED LEAGUE

Team	Won	Lost
1st Place Team No. 1	15	5
2d Place Team No. 2	14	6
3d Place Team No. 4	12	8
4th Place Team No. 3	1	19

High 3 Game Handicap (Team No. 4—2186)
High Team Game (Team No. 4—806)
1st high Individual 3 game series scratch (E. Kendrick—559)
High Individual game (E. Kendrick—222)

MENS SUMMER BOWLING LEAGUE HANDICAP

Team	Won	Lost
1st Place UTC Raiders	16	4
2d Place Co. "B"	15	5
3d Place 291st	13	7
4th Place O'Hms	12	8
5th Place Hq's STC	9	11
6th Place Section-Ates	6	14
7th Place		
Cellar Dwellers	6	14
8th Place 441st Arty	3	17

1st High Team 3 Game Series (Raiders—2750)
1st high Team Game (Raiders—979)

High Individual 3 game series (Gozdecki—560 Scratch) (638 Handicap)
High Individual Game (Gozdecki—560 Scratch) (638 Handicap)
TUESDAY NITE LADIES LEAGUE

Team	Won	Lost
1st Place Team No. 4	19½	8½
2d Place Team No. 3	19½	8½
3d Place Team No. 8	15	13
4th Place Team No. 7	15	13
5th Place Team No. 2	13	15
6th Place Team No. 1	12½	15½
7th Place Team No. 5	11½	16½
8th Place Team No. 6		22

High 3 games (Team No. 8—2255)
High Team game (Team No. 4—791)
High Individual 3 games (F. Sullivan—561 scratch)
High Individual 3 games (S. Vaughn—650 w/handicap)
High Individual game (F. Sullivan—217 sratch)
High Individual game (B. Ratliff—249 w/handicap)

RSA SCRATCH TRIO LEAGUE

Team	Won	Lost
1st Place Russell's	28	12
2d Place Drifters	22	13
3d Place Rinky Dinks	24	16
4th Place Strikers	23	17
5th Place 3 Aces	19	21
6th Place VIP's	16	24
7th Place Winners	14	26
8th Place Mitchells	9	31

High Team 4 Games (Winners—2123)
High Individual 4 games



TO COMPETE IN TOURNAMENT—The Redstone Arsenal Golf team which will represent the Arsenal at Ft. Benning Aug. 20-23 consists of (left to right): SP4 Jerry Henderson, PFC Everett P. Comstock, SP5 Erie L. Bennett, Col. Thomas W. Cooke, not a contestant but the Commander of the Army Missile Support Command who presented them the trophies they are holding; CWO Ralph Moore, and Lt. Edward S. Kronenberg III.

Rocket Golf Team To Play In Third Army Tournament

The Rocket Golfers will compete at Ft. Benning in the Third Army Golf Tournament Aug. 20-23.

(S. Douglas—804)
High Individual team game (Strikers—597)
High Individual game (D. Moore—233)
Tied—(A. Chervanik—233)

Moore.
Open Division individual scores on the Arsenal Course during the competition to make up a Rocket team were decided in 18 holes of play:
SP5 Bennett 87-76-77-75 (306); PFC Comstock: 83-78-75-74 (310); Lt. Kronenberg: 85-74-76-81 (316); and SP4 Henderson: 86-74-77-79 (326).
Senior division individual scores for 18 holes: CWO Moore 75-73-75-78 (301); and Maj. Javins 79-78-76-84 (317).

Taking off on leave, furlough or pass?

Take off on Eastern!

SAVE 50% OFF ONE-WAY OR ROUND-TRIP JET FARES!

If you're a member of the U.S. Armed Forces, on authorized leave, furlough or pass, you can fly for just half the regular Jet Coach fare to any of the 113 cities served by Eastern in the continental United States. Between cities where there is no Eastern jet service, your half-fare rates will be based on equivalent Jet Coach fares. Half-fare rates available on standby basis.

To qualify for half-fare rates: Purchase your tickets in advance (this applies to all flights, including Eastern's "Air-Shuttle" and "Walk-On" service). Show a copy of your leave, furlough or pass when you purchase tickets, and be in uniform when you purchase tickets and when you travel. Get full details from Eastern or your base JAMTO or transportation office.

JET CONNECTIONS TO MIAMI AND NEW YORK AT ATLANTA
In addition—NON-STOP SUPER ELECTRA TO CHICAGO



Col. Irvin, Col. Dotson Receive New Assignments

Two key personnel changes have been announced by the Army Missile Command.

Col. Richard Irvin, former Deputy Director of the Missile Intelligence Directorate, has been



COL. IRVIN

transferred to the Command's Nike Hercules Project Office. There he will be Special Projects Officer for Col. B. R. Luczak, Project Manager.

Lt. Col. Earl J. Dotson, former Chief of the Missile Technical Support Division of the Research and Development Directorate, has replaced Col. Irvin as Deputy Director of Missile Intelligence.

As Special Assistant to the Hercules Project Manager, Col. Irvin will be responsible for special projects related to the application of the Nike Hercules ground-to-air missile system.

Col. Dotson will assume Col. Ir-



COL. DOTSON

vin's former duties in the Missile Intelligence Directorate, which has the overall responsibility of making technical evaluation of foreign missile systems.

The Directorate evaluates raw reports on foreign missiles, weapons systems, space vehicles, and support equipment and related foreign technology. It then fur-

nishes evaluations and findings to higher authorities for possible use in the formulation of national estimates.

Nike Hercules is the United States' primary high altitude air defense weapon in an operational status. The missile system is now deployed around key areas in both the United States and overseas.

Col. Irvin came to the Missile Command in November, 1962, following a three-year tour in the office of the Deputy Chief of Staff for Operations, Headquarters, U. S. Army, Europe.

Col. Dotson came to the Army Missile Command in August of 1960. He assumed duties as Chief, Signal and Electrical Division Support Office. He later became Chief, of the Missile Technical Support Division, R&D Directorate.

Thiokol Man Receives Iron, Steel Institute Award At Tech Meeting

T. H. Burns, Chief of the Metallurgical and Manufacturing Methods Section of Thiokol Chemical Corporation's Alpha Division — Huntsville Plant, has received the Regional Technical Meeting Award from the American Iron and Steel Institute.

The award, presented during the organization's 71st Annual Meeting at the Waldorf-Astoria Hotel in New York, was made for Burns' technical paper, "Steels for Ultra High Strength Missile Motor Cases." The paper, chosen as the best given during 1962 at a regional meeting in the research field, was presented at the Birmingham Regional Meeting in November, 1962.

Burns joined Thiokol's Redstone Division in 1957 and presently is responsible for selection of materials and methods used in the manufacture of rocket motor

cases at Thiokol's Huntsville Plant. Before joining Thiokol he had nineteen years experience in the iron and steel industry. He assisted in the design and initiation of the largest cold extrusion production line for artillery projectiles in this country.

A graduate of Birmingham Southern College, Mr. Burns had done

advanced graduate work in metallurgy at the University of Alabama. He is a fellow of the American Chemical Society, the Society of Automobile Engineers, and a past Director of the American Ordnance Association.

Burns, who was born in Birmingham, lives at 1613 Eighth Avenue SW, Decatur, Ala.

WE CAN NOW INSURE YOUR V.W. THROUGH

V. I. C. O. Insurance Co.

Exclusively For Volkswagen Owners — AT VERY LOW RATES —

- Bodily Injury
- Property Damage
- \$50 Deductible
- Towing & Labor
- Family Protection Against Uninsured Motorist
- Comprehensive
- Collision
- Medical Payments

ALSO LOW RATES ON DOMESTIC CARS

CALL . . . BOB PRITCHETT

UNIVERSAL MOTORS, INC.

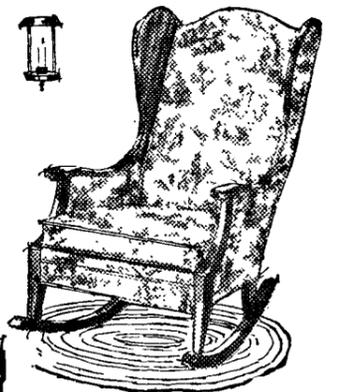
NO. MEMORIAL PARKWAY

PHONE 539-7456

Hale Bros. Furniture Co.

106 South Jefferson Street
DOWNTOWN HUNTSVILLE

So popular! This comfortable grandfather rocker. Many, many colors and fabrics.

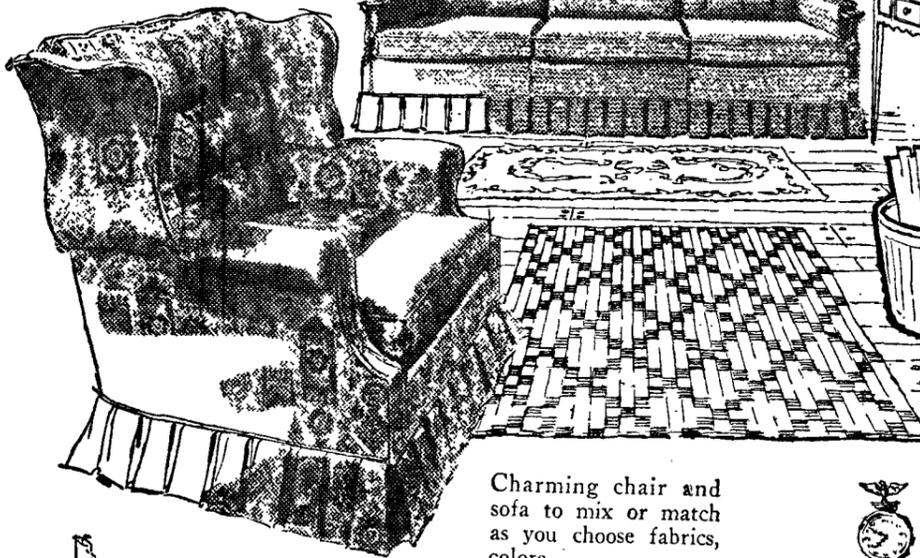


you'll *LIVE* with EARLY AMERICAN

"made-to-your-order" in this great fabric and color selection so perfectly coordinated by

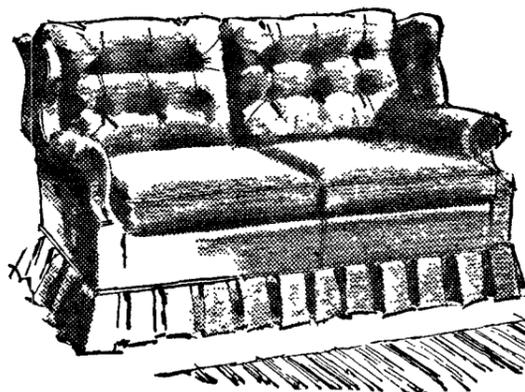
Broyhill
PREMIER

Our new collection of upholstered furniture brings you Early American as you like it. You custom choose styling, fabric, color . . . each piece coordinates with others to give a wonderful look of harmony. Prices are surprisingly low.



Charming chair and sofa to mix or match as you choose fabrics, colors.

and . . . only the LOOK is expensive . . . with Broyhill
PREMIER



A loveseat you'll love for almost anywhere! Fabrics galore!

Exposed wood arms, cozy tufted back, patchwork fabric make this charmer!

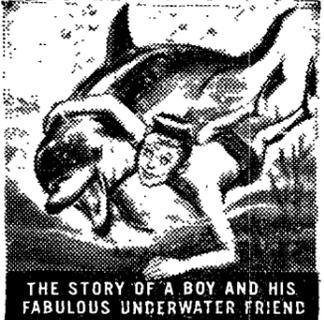


LYRIC THEATRE

"HUNTSVILLE'S FINEST"

Starts THURSDAY

YOU'LL HAVE TO SEE IT TO BELIEVE IT!



THE STORY OF A BOY AND HIS FABULOUS UNDERWATER FRIEND

Metro-Goldwyn-Mayer presents
FLIPPER
the fabulous dolphin

In METROCOLOR
starring
CHUCK CONNORS

HALE BROTHERS FURNITURE COMPANY

106 Jefferson St. — Phones 536-8508 or 536-8509 — Downtown Huntsville

★ For Your Convenience—You Can Pay Your Telephone Bills Here.

Chattanoogaans Hear How Army Spends Its Dollars

Col. Robert M. Allgeier, Assistant for Intelligence, Operations and Security, Army Missile Support Command, told a Chattanooga, Tenn., group last week that the

Army Missile Command spends 90 cents of every dollar with American industry. Col. Allgeier pointed out during his address to the Central Pres-

byterian Church Men's Club that the Missile Command's total annual budget is around \$1.5 million.

Attending the program were approximately 100 members of the club. Following Col. Allgeier's address, the film, "This is Redstone Arsenal," was shown.

In closing his remarks, the Colonel pointed out that when missile systems become obsolete, the Army does not "scrap" components of the weapon.

Components are put to other uses, in advanced research and development projects, or other programs within agencies of the Department of Defense.

HUNTSVILLE LITTLE THEATRE

Summer Production

"SUMMER OF THE 17th DOLL"

Prize Winning Australian Drama

BY RAY LAWLER

JULY 19 - 20 & 26 - 27
RUSSEL ERSKINE HOTEL BALLROOM
ALL SEATS RESERVED

PHONE 534-1869 5:00 TO 8:00 P.M.
ADMISSION \$2.00

Italian Hawk Unit Honored

The first Hawk support detachment of the Italian Army was honored Friday, July 12, at a farewell ceremony at the U. S. Army Ordnance Guided Missile School.

Capt. Angelo Aufiero and his complement of some 40 officers and men received a certificate of achievement from Col. William J. Macpherson, OGMS commandant, at the ceremony. The Italians have been in training here for 15 months. The 55th Army Band played the national anthems.

Major J. M. MacDonnell, commander of the OGMS Unit Training Command, termed the Italian Hawk detachment as one of the most efficient to complete the course under the NATO Hawk program. The Hawk has been adopted as a standard defense against low-flying aircraft and tactical missiles by the 15 nations of the Atlantic Alliance.

The Italian detachment is to fly home next Friday (19 July).

DR. J. HERMAN MILLER

Announces Opening

Of Offices For The

Practice Of

DENTISTRY

701 Times Bldg.

Phone 536-0951

Appointment Hours 8:30 - 5:30

SPECIAL PRICES...

on

FEDDER'S Air Conditioners

1 — 1½ and 2 h.p. Window Units

"Now Is The Time To Buy"

Installation Available — "We Service What We Sell"

HUNTSVILLE

ROOFING COMPANY

2511 Triana Blvd., SW Phone 534-7366

Be A Successful Secretary



By Attending NACC Night Classes

Beginning and Refresher Classes in Gregg Shorthand, Space, Missile, and Engineering Shorthand, Federal Entrance Coaching and Stenograph Machine Shorthand.

Since 1948 more graduates from NACC have passed Civil Service exams than any other commercial school in Alabama.

North Alabama College of Commerce

North Alabama College of Commerce Bldg.
528 Madison Street — Huntsville, Alabama
PHONES 536-2611 or 539-0429

Accredited by: The Accrediting Commission for Business Schools, Washington, D. C.

Need goin' home money?



Get a loan from HFC

Anytime you find yourself short of cash—that's a good time to think of HFC... Household Finance. More servicemen do... over 100,000, every year. May we help you?

Ask about Credit Life and Disability Insurance on loans at group rate

Cash You Get	MONTHLY PAYMENT PLANS		
	30 months	24 months	12 months
\$500		\$24.73	\$46.81
700		34.30	64.92
1000	\$40.05	48.76	92.30
1500	59.80	72.80	137.80
2000	78.96	96.13	181.96

Payments above include principal and loan charges if repaid according to schedule, but do not include life and disability insurance, available at group rates.

HOUSEHOLD FINANCE 
Company of Alabama

HUNTSVILLE OFFICE
706 Heart of Huntsville Shopping Ctr.
PHONE: 539-4496

Hours: Mon., Tues., Wed., Fri. 9:30 to 5:30—Thurs. 11 to 8 P.M.
Loans made to residents within a 100-mile radius

BUY CHEVY TODAY! Because It Has Everything—

- Highest Value
- Lowest Cost
- Highest Resale Value
- Lowest Upkeep

One Stop Service!

EXTRA ALLOWANCE THIS WEEK

on

'60 - '61 - '62 USED CARS

Try Us For A Change!

HILL CHEVROLET COMPANY

A Franchised Dealer for 39 Years
2 Places to Serve You — Greene St. & Meridian St.
PHONE 539-6541

READ THE WANT ADS! USE THE WANT ADS!

WANT AD RATES—\$2.50 minimum, per weekly insertion, covering first 25 words. 5 cents per word for all over 25 words. Cash with copy, except where open account basis is previously established. 25c service charge added for credit. Mail copy with payment to Mrs. Zillah T. Heath, P. O. Box 346, Room 217 Times Bldg., Huntsville. Deadline is Friday noon, before Wednesday publication.

Page 14 The Redstone Rocket — July 17, 1963

1. For Rent

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

FOR RENT — 3 bedroom house with bath. Near school & church. Reasonable. Located 4 miles west Arab. Hwy. 69 at Joppa, Ala. Contact Fellus Woods at Standard Service Station, Joppa. ttp

2. Cars For Sale

1961 CHEVROLET Bel-Air 6 cyl., auto. trans. 28,000 actual miles Blue and White 4 new premium tires \$1795.00 owners name on request. Phone Universal Motors Inc. 539-7456. ttc

FOR SALE — 1960 Corvair, "700" series, 4 doors, radio, heater, standard transmission. 34,000 miles, excellent condition, \$1095. Call Lawrence Lovercheck at 877-3833 after 1700 hrs. ttp

BARGAIN! 1957 Ford Pickup Truck, Blue with radio, heater and new tires only \$795.00 call Universal Motors Inc. 539-7456 ttc

1959 MERCEDES — 190 SL Convertible, radio, heater, top, 1 year old, shining black finish, \$2495.00. Can be seen at Texas Auto Sales, Meridian St., Phone 536-6121. ttc

VOLKSWAGEN OWNERS — Genuine parts available. All work done is aircraft quality by aircraft technicians. Satisfaction guaranteed. Dick Trulson Auto and Aircraft Repair, 612 W. College St., Fayetteville, Tennessee, phones 433-1294 or 433-1337. Call anytime. ttc

1952 FADCON Sports Futura, fawn tan, bucket seats, and all straight shift. \$1695.00. Universal Motors, Inc., No. Memorial Parkway, Phone 539-7456. ttc

CASH! FOR YOUR CAR—We need all makes and models. We will pay you more. We buy and sell imports, too. TEXAS AUTO SALES, Phone 536-6121. ttc

1953 OLDSMOBILE "88". Words can't describe how clean this old car is really sharp. New tires \$295. Universal Motors, Inc. No. Mem. Parkway. Phone 539-7456. ttc

WE'VE GOT ONE V.W. "1500" model sedan, 10,000 miles. Come see this fantastic car. \$2495.00 at Universal Motors, Inc., No. Memorial Parkway, Phone 539-7456. ttc

'CITRON'—We have a D. S. 19. The best one 1960. Extra nice low mileage only one in town for sale. Hurry! Call 536-6121. ttc

1962 VOLKSWAGEN SEDAN White guaranteed \$1595.00 Universal Motors Inc. Phone 539-7456 ttc

1958 ALPHA ROMEO—Good condition, new top, white with red interior. Call 536-9321 or see at 2105 Stanhope Drive after 5:00 p.m. ttp

FOR SALE—1958 Volkswagen Station Wagon, new engine, new tires, perfect in every way. Will sacrifice. Phone 534-4701 or 539-8551. ttc

WANTED TO BUY clean used cars. "We can use yours." Call us. ROBINSON AUTO SALES, 733 Madison St., Phone 539-8551. ttc

3. Miscellaneous

USED TVs, \$20 and up. UHF converter, \$11.97. 21 inch 90 degrees picture tubes \$21 exchange (1 year guarantee on picture tubes). TV Rentals. RODEN'S TV SERVICE, Cor. Governors Drive & Parkway, Phone 536-9761. ttc

UHF converter, \$11.97. 21 inch 90 degrees picture tubes \$21 exchange (1 year guarantee on picture tubes). Used TV's, \$20 and up. TV Rentals. Central TV and Stereo Co., franchised dealer in RCA and Zenith TV Service dealer in all makes of radios, TV's and stereos. Governors Drive & Parkway, Phone 536-9761. ttc

GUNTERSVILLE LAKE BOAT STORAGE — Covered or open storage boat houses, private picnic and swim area for your Saturday and Sunday on the lake. Snug Harbor Motel, Hwy. 421, 20 miles south of Huntsville, phone 582-4683, Guntersville or 536-3113 Huntsville after 9 p.m. 7-24p

NOBLES HOUSE OF FURNITURE, 106 Lincoln Ave. New, used and antiques at very low prices. ttc

MODERN HEALTH CLUB SERVICES—Central Y.M.C.A., 203 South Greene St. is offering massages, turkish baths, electric heat, cabinets, ultra-violet and infra-red lamps, diathermy sun lamp, swimming pool. Graduate masseur in charge. Phone 534-2444. ttc

FOR SALE — Four pieces German made luggage, like new, designed for Volkswagen. Price \$37.50. Call 536-7647. ttp

ALTERATIONS of any kind or sewing of Shift Dresses only, please contact me for reliable and experienced work. Thats Mrs. Elkins 536-8026 7-24-p

VOLVO OWNER — For sale—(A) Top rack with cover (No change of car necessary). (B) Car cover substituting lack of garage. Articles used but in good shape. Call 534-3792. ttp

VACUUM CLEANER REPAIR — Kirby belts, airway bags, hose for all makes. New and used cleaners. Free pick-up and delivery. Phone 539-2564. ttc

FIT, FASHION AND FINE SAVINGS at BUS-ANN'S, downtown Huntsville. Truly your family shoe store. ttc

SALE! \$1.00 off each pair Women and Mens summer Shoes. Some reduced to half the regular price. First quality. These must go to make room for fall shoes. Located 4 mi. West of Arab. Hwy 69 at Standard Service Sta. Joppa Ala. open Sunday 7-24-p

FAST — Expert mower repair, lowest repair charge in Huntsville. We also repair major or small appliances, home minimum service charge \$4.50. WALTER'S APPLIANCE & REPAIR SHOP. Phone 539-1141. 630 Meridian St. ttc

A B S SECRETARIAL SERVICE — 408 Clinton Avenue, W. Huntsville, Ala. Phone 534-6451. CALL US FOR: Photocopying, mimeographing, transcribing (Dictaphone), telephone answering. Employment applications prepared (Government and other). Notary Public. (Our office or yours). ttc

GUNTERSVILLE LAKE PICNICING is summers happiest way of life at Honeycomb Boat Dock and Snug Harbor. Picnicing every day. We will prepare your box lunch if you don't want to bother. Bring folding chairs, etc., reservations necessary for larger groups. Boating-swimming-skiing. Fishing boats for rent, gas, oil, ice, bait and tackle. Grill open all day; also rustic family camp sites for tents; house trailer sites for modern trailers. Contact Howard Morgan, operator, Honeycomb Boat Dock, Hwy. 431, Guntersville Lake, about 20 miles South of Huntsville. Phone Guntersville 582-4463. 7-24p

ATTENTION SERVICEMEN — Liability Insurance 5-10-5, reasonable rates. Cash or terms, all military inc. "NATO", arranged for your convenience. Phone 539-8551. ttc

FOR SALE—Newly reupholstered couch and chair, like new condition. Phone 539-0382. ttc

4. Mobile Homes

SEE OUR FULL LINE OF — Mobile Homes— or we'll both lose money! We trade for anything! easy terms. Come see the friendly folks at Texas Auto Sales, 1003 Meridian St., phone 536-6121. ttc

1960 SIESTA NOVEL TRAILER—7 1/2'x16' Has butane lights and water system, 10'x16' awning, electric brakes, sleeps 5. Can be seen at Texas Auto Sales, Meridian Street, Phone 536-6121. 7-24c

1960 — 51'x10' Detroit early American— like new condition with a new \$300 air conditioner. Owner leaving town. Shown by appointment only. Call 536-6121. Agent for owner. 7-24c

GLEN PARK APARTMENTS

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

534-2652

Governor's Drive Barber Shop

2901 Governors Drive

Between Butler High and Parkway

Flat Top Specialists

OPEN 8 TO 8 . . . 6 DAYS A WEEK

Your Patronage Appreciated

G.I. EQUITY

We have several G. I. Equities that you can buy and assume low interest rate mortgage payments ranging from \$57.00 to \$108.00. 1 and 2 baths, some have built-in kitchens.

PHONE

Theodore Blocker

Days 539-8481—Nights 536-2493

5. Houses, Lots - Sale

FOR SALE — three bedroom brick veneer home located approximately 2 miles from beautiful Guntersville Lake, electric heat, 1 1/2 ceramic baths. ttc

FOR SALE — Beautiful 100 ft. front lots in city of Arab. Paved streets, near schools & shopping. Low price, convenient terms or will build house of your choice. Call Huntsville, 536-4332 after 5 p.m. ttp

GUNTERSVILLE LAKE 100' Water front lots \$1250.00. inside lots \$500.00. only \$100.00 down \$20.00 mo. Ty Dorman Guntersville 582-3654 or Huntsville 876-3297 ttc

FOR SALE — 2 brick veneer houses, three bedrooms, 2 baths, den, kitchen, dining and living rooms, lots 107x142, carport, utility room. See or call Jesse Black at Arab for price and terms. Phone 586-4515. 7-24c

GUNTERSVILLE LAKE LOTS FOR SALE—Contact W&W Land Co., 106 North Lincoln St., Huntsville. Phone 534-1451. ttc

FOR SALE — 1 brick veneer house to be built on prior commitments. 100% VA Loan. Any eligible veteran see or call Jesse Black at Arab. Phone 586-4515. 7-24c

GUNTERSVILLE LAKE PROPERTY—Never again will you find cabin sites on the lake as reasonable as now. For appointment, call Herb Walker, 536-3113 or 534-1451 or write Box 473, Huntsville. 7-24p

FARM FOR SALE—Three acres, five room house. Three miles from Hartselle. Two bedrooms, bath, butane heat, attic fan. Pecan and apple trees, grape vineyard, chicken house, etc. \$7,900. Phone R. B. Williams, Huntsville 876-1089, or Hartselle 773-9052. ttp

GUNTERSVILLE LAKE—Long lease—a tiny spot with water and sewage on Guntersville Lake to build your shell cabin for week-ending and vacationing. Call W & W Land Co., Inc., Huntsville, Alabama. 7-24p

NINETEEN ACRES — 3 bedroom, rock house, bath, kitchen, utility room, living room with rock fireplace. Unfinished upstairs, garage, 64x40, livestock barn, well and ponds. Cross fenced. Seven miles south of Fayetteville, Hwy. 110. Hugh Lowery, Ph. 433-3985. ttp

FOR SALE OR TRADE—Completely furnished home on wooded lot. Located Poplar Point on Tennessee River. Reasonable down payment, finance balance, or refinance. No closing costs. \$6,000. Phone Decatur, 353-3972, or 353-5580. ttc

3 BEDROOMS, near Arsenal, patio, schools, shopping center, bus, buy equity or refinance 2908 Bayless Drive S.W. ttp

WE CAN NOW BUILD you a three (3) bedroom brick veneer home fully completed to FHA or VA requirements on your lot with carport and storage for as little as \$49.77 per month, plus fire insurance, taxes, etc. No down payment and no closing cost. CORNELIUS REAL ESTATE & INS. CO., 521 N. Broad St., Guntersville, Ala. ttc

WILEY SALES CO.

4310 W. Gov. Dr.

PHO. 539-2262

- Guns
- Reloading

Target Varmint

- RESIDENTIAL
- COMMERCIAL
- INDUSTRIAL

— LOANS —

FAST COMMITMENTS

UP TO 25 YEARS ● NO DISCOUNT FEES

Phone 534-2932 or 536-6648

COMMERCIAL BUILDINGS

AND . . .

LOTS FOR SALE!

FOR DWELLINGS

We build houses on your lot . . . 100% financed by us or VA and FHA financing. Built by Bonded Builders.

COLORED—If you have a good job and steady income you can own a home with payments as low as \$49.00 per mo. F.H.A., V.A., and F.H.A. for \$62.00 to \$86.00 per mo. 100% financing—built on your lot! Lots and homes in New Jerusalem and other parts of town.

C. F. STINNETT REAL ESTATE BROKER

918 Meridian St., North Phone 536-8537

BY OWNER — 3 bedroom brick, 2 ceramic baths, built-in range, oven and dishwasher, air conditioned. Sherwood Park, 6501 Sheri Dr., N.W., 539-6138. ttp

FOR SALE—10-room house, bath and plenty of closet space. Large lot in nice neighborhood. See at 149 Bethel Rd., Hartselle, or contact G. D. Hartselle, Jr., or Phone 773-9382 or 773-7057. 7-24c

FOR SALE — Full brick G.I. nothing down, no closing most. FHA min. down, 4 bedrooms and separate den, 2 ceramic tile baths, completely built-in kitchen, GE range, dishwasher and garbage disposal, central air condition in Southeast Huntsville. \$22,300.00. Phone 881-0152 Ensor Real Estate. ttc

FOR SALE—3 bedroom brick, attached garage, tile bath, storm windows and doors, fenced yard, built-in kitchen, all city utilities, and other extras. VA loan. Equity \$1,000. Call 536-6031, Huntsville. ttc

NEW HOME Completely furnished, 3 bedroom and den, built-in G.E. range, garbage disposal, G.E. refrigerator, washer and dryer, 3 complete bedroom suites with mattress and springs, living room suite, breakfast room suite with 6 chairs (all new furniture). G.I., Nothing down, \$150.00 closing. FHA minimum down \$150.00, closing. Phone 881-0152, Ensor Real Estate Co. ttc

6. Pets

MINIATURE POODLE PUPPIES — Inoculated, 8 weeks old, AKC. Phone 881-2065. 7-17c

PRECIOUS PUPPIES — Male and female, dewormed, healthy, \$10.00. Phone 539-1870. ttc

Business Opportunities

Your Own Drive-In Restaurant

The famous Henry's Drive-In now expanding throughout Alabama. Nationally known for quality products, distinctive design and excellent consumer service. Continuous company training and supervision. Financing assistance. For further information, call or write: Art Deason Associates, P.O. Box 615, Huntsville, Ala. Phone 536-0775. ttc

WRECKER SERVICE

In case of an accident ask for our new wrecker. Courteous operator, reasonable charges. Day Phone 539-6541, nights 534-0776.

Hill Chevrolet Company

CAMPING & FISHING EQUIPMENT

- Hip Boots
- Sleeping Bags
- Rods & Reels

ARMY-NAVY SURPLUS CO.

112 S. SIDE SQUARE

Phone 534-6991

Open All Day Wednesday and 'Til Late Thursday Night

5/10/5 Post Liability \$10.00 a Year

Service men, all ranks and ages, also Civilians.

W. E. DICKEY INS. AGCY.

PHONE 539-1161

507 Terry Hutchens Bldg. Huntsville, Alabama

WHEEL ALIGNMENT \$4.88

(With This Ad) Reg. \$6.50 Value)

Fast Service - Expert Wheel Mechanic

All Work Fully Guaranteed

U. S. TIRE SERVICE

Across From Butler High

DIAL 539-3482

Open 7 a.m. to 6 p.m.

AUTO POST LIABILITY INSURANCE

\$5/10 Bodily Injury

\$5000 Property Damage

\$10.00 year

C. J. WAITE INSURANCE AGENCY

518 Madison St.

PHONE 536-9641

BUTLER'S NEW and USED FURNITURE

American — Antiques — Import

1006 W. Market St. — Athens, Alabama

One of North Alabama's Largest Furniture Stores

ACROSS FROM FAIRGROUND GATES

Dial Athens 232-3940

LOST YOUR DRIVING LICENSE?

WE ARE IN A POSITION TO HELP YOU GET THEM BACK!

WE FILE SR. 22

For Driving Intoxicated, Reckless Driving, Driving Without Insurance or Any Other Cause. We Can Help You Obtain Your Bond to Keep Your Tags.

IF YOU HAVE A PROBLEM, COME SEE US AT . . .

518 MADISON STREET, HUNTSVILLE

C. J. Waite Insurance Agency

General Persons Kicks Off Seminar On Value Engineering At Redstone Tuesday

A Value Engineering Seminar for top managers is currently being conducted at Redstone Arsenal by the Value Engineering Office of the Procurement and Production Directorate.

Designed to assist managers in understanding and administering Value Engineering programs, the seminar was opened yesterday with an address by Brig. Gen. H. P. Persons, Jr., Deputy Commanding General, Land Combat Systems, U. S. Army Missile Command.

To the representatives of industry and government, General

Persons said:

"Dynamic management is continually in search of new methods to increase efficiency and thereby reduce cost. Value Engineering is one of the newest functions investigated by management and found to be a powerful cost reduction tool.

"The Department of Defense has directed that Value Engineering be implemented in all services, and has furnished guidelines. These guidelines not only set forth the requirement for performing Value Engineering, but they also set performance goals

for the Army, Navy, Air Force and Defense Supply Agency. This requirement was not a snap decision but was the result of an extensive study conducted for DOD by Logistics Management Institute. The study covered 25 of the principal defense contractors and 17 defense agencies, including this Command and nine of our contractors.

"The emphasis being given Value Engineering by Secretary McNamara, and others in DOD, can be summarized by a short quotation from the presentation given by the Deputy Assistant Secretary of Defense (I&L) before the recent national convention of the American Society of Value Engineers. He stated: Value Engineering must be understood, accepted and used by management. Let me put this as succinctly as I can. Value Engineering must originate with management, and the culmination of Value Engineering effort must be the responsibility of management. Value Engineering is a management technique. If Value Engineering has any meaning, it has economic meaning . . . I can not repeat too often or too strongly that Value Engineering must derive from management, be articulated by management and implemented by management.

"What management in this Command expects of Value Engineering is that you as good top managers plan and conduct a strong and effective Value Engineering program.

"It would be difficult to assign relative importance to the actions we must take. The failure to carry out any of these actions will reduce our cost savings.

"Our first action is to place Value Engineering performance requirements in contracts as prescribed in the ASPR. Procurement regulations provide for liberal incentives to contractors for performing Value Engineering.

"To assure good performance, contractors must be given guidance, and programs must be adequately monitored. The new cost reduction program includes Value Engineering as one of 24 cost reduction areas. It also prescribes reporting procedures that must meet rigid criteria. Reported cost reductions or savings in certain categories must stand up under audit, and disposition of realized savings must be explained. Regulations are being revised to preclude duplicate reporting in more than one program. We must be extremely careful in our reporting.

"In order to achieve the maximum benefits from our Value Engineering program, it is essential that Value Engineering changes and other cost reduction changes be given high priority in their review and approval. We must always keep in mind that during the review and evaluation the production line is running and materials are being purchased which may delay or preclude the incorporation of changes that represent substantial cost savings.

"What you will be learning here is a fresh approach in challenging material costs and the 'status quo.' Value Engineering is not just a 'nit-picking' activity to needle and annoy. Value Engineering is a challenge to open mindedness and develops a positive and creative approach to cost reduction. Learn it, use it to eliminate the frills in our missile system."

Rescue Squad Organized In Athens-Limestone Area

The Athens-Limestone Rescue Squad is seeking more, volunteer, members and also raising funds to buy boats.

The recently organized group has been granted a charter and elected Billy Swanner commander.

They have managed to acquire an ambulance, gas masks, stretchers, and a portable generator but they are still using the boats owned by members of the squad.



Guntersville Lake Vacation Cottages FOR RENT!

Write Tanglewood Acres, Scottsboro, Ala., R.F.D. No. 3 or Call Guntersville 582-4702 for information and reservations. 10 miles N.E. of Guntersville, Highway 79 (Guntersville-Scottsboro Highway).

OPEN EACH DAY

UNIVERSITY MEADOWS

Select your colors now in these lovely brick homes on 100% VA or minimum down FHA financing.

PRICE: \$14,500 and up.

— FEATURING —

- | | |
|------------------------------|--------------------------------|
| Trees on all lots | Assorted colored brick |
| 1½ Baths | Garage or carport |
| 3 Bedrooms and den | Built-in appliances (optional) |
| Air Conditioning (optional) | Select hardwood flooring |
| Custom made kitchen cabinets | Close to shopping and schools |
| Guttering and downspouts | All city utilities in |

LOCATION: 1 block east of Jordan Lane on Holmes Ave., West

HUNTER & MITCHELL

REALTORS — Phone 539-1759

HAVE YOU OUT GROWN YOUR HOME?

TRADE-IN . . . Your Present Home and Move Up to . . .

LAKEWOOD

YOU'RE INVITED To Our Trade-in Program

809's If You Have Out-grown Your Present Home

You can now get a second 809 loan by selling or trading us your present home on one of our beautiful 3 and 4 bedroom with den brick homes.

Phone: Days 536-1554 - Nights 536-1659

LAKEWOOD

REALTY, INC.

3611 Memorial Parkway, North



REALTORS - HOME BUILDERS - COMMERCIAL AND INDUSTRIAL DEVELOPERS - PROPERTY MANAGEMENT - INSURANCE

2021 Clinton Ave., W. ☆ Huntsville, Ala.

Office 536-6329

24 Hours a Day

COMPLETE DISPERSAL OF VALLEY VIEW FARMS

750 Acres selling in 12 tracts, 225 registered and purebred Angus cattle, 28 registered walking show horses, brood mares, colts, 12 registered and grade quarter horses, which is a complete dispersal of the James K. Taylor Stables, Huntsville, Alabama.

AT AUCTION

Friday & Saturday, July 26th & 27th

Located 8 miles Northwest of Athens, Ala., on Highway 99 (or Salem Highway)

SALE WILL BE HELD RAIN OR SHINE . . . UNDER TENT

— THE FARM —

750 Acres, selling in 12 tracts, reserving the right to sell any Two or more tracts combined. Sale to be held as follows:
FRIDAY, JULY 26th, at 1 P.M.—THE FARM LANDS.
FRIDAY, JULY 26th, at 6:30 P.M.—REGISTERED SHOW HORSES.
SATURDAY, JULY 27th at 10:30 A.M.—225 CATTLE AND FARM MACHINERY.

TRACT NO. 1 — 7.2 ACRES

Improved with 7-room frame residence with bath. Nice shade, several hundred feet of Highway front; water is supplied by well equipped with electric pump. The land all sown to permanent pasture.

TRACT NO. 2 — 65.5 ACRES

Main residence, 3 bedroom frame, set on a beautiful lawn with abundance of maple shade; large tool shed and other outbuildings; long road front; all sown to permanent pasture; also has 2-acre lake fed by everlasting spring and stocked with large bass and bream.

TRACT NO. 3 — 34 ACRES

Improved with good tenant house, with water, long road front; also sown to permanent pasture. This tract fits in well with Tract No. 2.

TRACT NO. 4 — 294.6 ACRES

Improved with large conveniently arranged Cattle Feeding Barn; long road front, excellent building site; all in pasture. Truly a wonderful Cattle Farm; abundance of water by springs and spring branches, and Horton Creek.

TRACT NO. 5 — 97.77 ACRES

Improved with 6 room frame residence and tenant house; long road front. A large portion is creek bottom and very rich soil. All in permanent pasture; and sericea. Improved with 6 room frame residence and tenant house; long road front. A large

TRACT NO. 6 — 74.1 ACRES

Improved with large Stock Barn, Cattle Feed Barn, with ample hay storage in both; Tool shed surrounded by sturdily-built fences, into conveniently arranged Cattle Pens. Large portion of this tract is level, rich soil, all in pasture. Watered by Horton Creek. This tract fits in well with Tract No. 5.

TRACT NO. 7 — 157.5 ACRES

Improved with old log house; new Cattle Feed Barn, long road front; excellent building sites, all sown to permanent pasture and sericea; abundance of springs and spring branches. Some fine timber of beech and oak.

TRACTS NOS. 8—9—10—11—12

All excellent building sites; all fronting on Salem Highway with long highway front; containing about 5/2 Acres each. All with excellent building sites, some watered by Horton Creek. All with level rich soil, and any one of these tracts fit in well with Tract No. 5.

40 REGISTERED SHOW & BREEDING HORSES

28 Registered Tennessee Walking Horses; 12 Registered and grade Quarter Horses. Including in this dispersal is MIDNIGHT MOONGLOW—the World's most beautiful show horse—sire: MIDNIGHT SUN; dam MOON by MERRY BOY, having been bred lightly in Alabama, and having produced some of the nation's most outstanding young show horses. MOONGLOW has won more Blue Ribbons at major shows than any other living horse. Included in this sale will be mares with colts at side and bred back to MOONGLOW. Don't miss this opportunity to buy the best bred young horses in America. 12 QUARTER HORSES. Willie Wimpy, p-100, 592, one of the finest bred Quarter Horse Stallions east of the Mississippi River. Several good broke Roping and Cutting Horses and Mares; several grade Quarter Mares and Colts.

225 REGISTERED AND PUREBRED CATTLE

70 Cows with calves by side, several of weaning age.
62 Springing Cows bred to freshen by Fall.
20 Yearling and 2-year-old Heifers.
3 Registered Angus Bulls.

FARM MACHINERY

1 practically new 1963 Jeep; 1 International Tractor, 1 Ford Tractor; 1 new International Cultivator; Corn Planter; 2 Bush Hogs; Mowing Machines, Hay rakes—and other equipment necessary for the operation of this farm. Also large lot of Hand and Shop Tools.

— ROUTINE OF SALE —

FRIDAY, JULY 26th, at 1 P.M.—FARM LANDS.
FRIDAY, JULY 26th, at 6:30 P.M.—REGISTERED SHOW HORSES, MARES AND COLTS—AND QUARTER HORSES.
SATURDAY, JULY 27th, at 10:30 A.M.—225 CATTLE AND FARM MACHINERY.

—Lunch will be served on the premises—

TERMS OF SALE: One-fourth cash; balance 1, 2 and 3 years at 6%. All personal property—cash.

—For Plat and Brochures, See, Phone or Write:

James K. Taylor

AGENCY

Huntsville, Alabama — Phone 534-6449

or Auctioneers

CHURCH & PARKS

EDDIE BRYANT

Columbia, Tenn.—Ph. 388-8075; Lewisburg, Tenn.—Ph. 359-1043

SPACE EXPERTS HOLD CONCLAVE, DISCUSS ISSUES

A panel made up of some of this country's leading experts on space presented views on major issues of the nation's space exploration program at a meeting of the American Institute of Aeronautics and Astronautics at Redstone Arsenal last night.

More than 500 AIAA members, aerospace industry and military representatives attended the meeting.

Brig. Gen. Howard P. Persons, Jr., the Army Missile Command's Deputy Commanding General for Air Defense Systems, welcomed the AIAA members and their guests.

The panel session was moderated by former Redstone Arsenal Commander, retired Brig. Gen. H. N. Toftoy. Members of the panel were Dr. Robert Gilruth, Director of NASA's Manned Space Flight Center; Dr. Eberhardt Rees of NASA's George C. Marshall Space Flight Center; Maj. Gen. O. J. Ritland, Deputy to the Commander for Manned Space Flight, Air Force Systems Command; and Charles Tilgner, Vice-president of the AIAA and Gruman Aircraft Corp.

Marine Promoted, Gets Army Award

A Marine who set an academic record at the Army Ordnance Guided Missile School here last month has been promoted to Staff Sergeant by personal action of the four-star Commandant of the Marine Corps, it was learned here this week.

Promoted to Staff Sergeant (E-6) was Francis E. Thomas, 27, of Long Lake, Minn. On June 3, he received the outstanding student award of the Association of the U. S. Army for averaging 99.3 in the 26-week course on the Hawk missile system's radar system.

The grade was the highest achieved here to date by an American student and was within four decimal points of the all-time record set by Japanese Army Sgt. Shosake Takayama here last August.

The achievement of the Marine at the Army school was brought to the attention of Gen. David M. Shoup, Commandant of the Marine Corps and a member of the Joint Chiefs of Staff, by Maj. Martin Pearson, Marine liaison officer at Redstone Arsenal. Gen. Shoup personally notified Thomas of his meritorious promotion. Staff Sgt. Thomas is now serving with the Fleet Marine Force in the Pacific.

Japanese Soldier Presented Award

A Japanese sergeant was honored by the Association of the U. S. Army at a graduation ceremony here last week at which a British Army Brigadier was the principal speaker.

Sgt. Nobunori Kobayashi, 23, of Ibaraki, Japan received the outstanding student award of the AUSA for averaging 96 in the Nike track radar course.

Brig. David B. Egerton, commandant of the Trials Establishment (proving ground) for Guided Missiles in the British Army's Royal Artillery Corps, cautioned the 38 graduates from Japan, Greece, Italy, France and the U.S.A. to maintain the highest possible standards of proficiency in missile maintenance. He was introduced by Col. William J. Macpherson, OGMS commandant, at the ceremony in the Post Theater last Friday (July 12).

Carl Duckett, vice president of the Tennessee Valley Chapter of the AUSA, presented the academic award to Sgt. Kobayashi.

Honored graduates were Japanese Sgt. Masami Sakakibara in Nike acquisition radar and computer repair and U. S. PVT Richard N. Formica in the guided missile electronics helper course. Music was by the 55th Army Band.

Births at Post Hospital

 Jack William Ervert, 6 lbs., 14½ ozs., July 2, son of Sp/4 and Mrs. Jack W. Ervert.

Warren Eugene Sullivan II, 7 lbs., 8½ ozs., July 3, son of Sfc and Mrs. Warren E. Sullivan.

Edward Vincent Mixon, 8 lbs., 5 ozs., July 4, son of Pfc and Mrs. Harold D. Mixon.

Kimberly Marie Weinberger, 6 lbs., 3 ozs., July 5, daughter of Pfc and Mrs. Jerome A. Weinberger.

Cynthia Anne MacDonald, 6 lbs., 7½ ozs., July 5, daughter of SSgt. and Mrs. Robert W. MacDonald.

Conny Jean Manley, 5 lbs., 3¾ ozs., July 8, daughter of SSgt. and Mrs. James N. Manley.

Karen Lanette Cook, 5 lbs., 4½ ozs., July 8, daughter of Sp/5 and Mrs. Billy L. Cook.

Elaine Marie Crepeau, 5 lbs., 15¼ ozs., July 8, daughter of CWO-2 and Mrs. John L. Crepeau.

Dana Ann Dahlke, 6 lbs., 9½ ozs., July 9, daughter of 1/Lt. and Mrs. Calvin W. Dahlke.



TEAM WORKS 20 YEARS—Mr. and Mrs. David L. Kutz receive congratulations from their bosses and certificates showing 20 years of Federal service apiece. Mrs. Kutz is accepting her certificate from Col. R. W. Van Wert (left) Director of Supply and Maintenance. Mr. Kutz receives his from Col. Bernard Luczak, Hercules Project Manager. Mr. and Mrs. Kutz were employed at Redstone Arsenal in 1957. Both of them are concerned with Hercules missiles. Mr. Kutz is an equipment specialist in the System Support Division and Mrs. Kutz is in the Hercules Section of the Supply Commodity Office. Both are interested in bowling and each bowls in two leagues.

Dunnivant's

will be

CLOSED TODAY

JULY 17th

Dunnivant's

STORE-WIDE

SEMI-ANNUAL

CLEARANCE

STARTS THURSDAY

JULY 18, 9 A.M.

Make Plans NOW To Be Here When The Doors Open!