

Up-To-Minute News Is Close As A Telephone

A new program for getting information to personnel at Redstone Arsenal, went into effect today.

The new internal information program utilizes a telephone repeater service which will be operated from the Army Missile Command Information Office in Building 5250.

For several months Information Office personnel have been investigating various means of immediate communication with the more than 10,000 Army employees at Redstone who are scattered over nearly 40,000 acres.

They believe the telephone repeater service is the answer to the

problem.

The newly installed communications system will work this way:

Arsenal personnel can dial 877-2164 and a continuous tape of late news or official announcements will be heard. Listening time will be about one minute, according to the importance of the news that day.

The telephone news service will operate from 8:30 a.m. until 4:30 p.m. Monday through Friday.

Though there is only one number—877-2164—to dial, there are four lines available on this number and four callers can hear the same message at one time.

The Information Office will be able to change the tape during the day when events warrant.

This new service is intended to augment other means of communication being used in the internal information program at Redstone.

The Redstone Rocket will continue to be the principal printed means of internal communication at Redstone. As in the past, bulletin board announcements and posters, and individual, flyer-type releases will be used when the occasion is appropriate.

The telephone service is planned as a mass means of communi-

cations for timely announcements and news events and routine announcements of limited interest cannot be accepted for it. These items will continue to be accepted for publication in the Redstone Rocket.

In the past the principal means of reaching all personnel has been through the pages of the Redstone Rocket. As the Rocket is published only once a week and the publisher requires a 36-hour lead time for printing, bulletin type announcements could not be disseminated quickly to all personnel on this sprawling installation.

With the audio announcer it will be possible to get announcements of major significance to a great many people from one end of the arsenal to the other in a matter of minutes. This will be especially valuable in the event of hazardous road conditions caused by weather.

The repeating tape plays continuously with approximately ten seconds between messages. These pauses will permit a person to hear a completed cycle of messages without having to listen to a repeat of the entire newscast.

That number again for late arsenal news is 877-2164.

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. 26

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

NOVEMBER 6, 1963

Arsenal-Wide

Spot News

Dial 877-2164

EDS-0009 Simplifies Engineers Data Retrieval



PENTAGON PREVIEW—Asst. Sec. of Defense Thomas Morris (left) gets a preview of a new data retrieval system developed by the Army Missile Command. The system is now on display in the Pentagon. Discussing the system and how it operates is Brig. Gen. Howard P. Persons, Jr., Missile Command's Deputy Commanding General for Air Defense Systems (pointing to keyboard); and Brig. Gen. John Goshorn, Deputy Director of Procurement and Production for the Army Materiel Command, Washington.

System Locates Items From Design Description

Any man who has ever bought a pair of pants has a good understanding of the whole idea behind EDS-0009.

EDS-0009 is the project name for an automatic data retrieval system developed by the Army Missile Command to help designers find a needle in a haystack.

So new and different is the system that it is now on display in the Concourse of the Pentagon.

The system prototype being displayed in the Pentagon was programmed by Brown Engineering Co., at Huntsville, under contract to the Army Missile Command.

The haystack in this case is a mound of some 4 million parts listed in the Federal Supply System.

A designer, like a pants buyer, doesn't want to "try on" everything in the store just to find the one item that suits him best. The pants purchaser consults a clerk and establishes to begin with what he wants in the way of size, color and style.

The designer can consult with EDS-0009 and give it the same sort of information—including any number of other requirements. The system, like a clerk, searches its stock and comes up with an item that fits the designer's taste as closely as possible.

The Missile Command Directorate of Procurement and Production began work on the project about a year ago at the request of the Department of Defense.

Last week the system was unveiled to Thomas Morris who is the Assistant Secretary of Defense for Installations and Logistics. Secretary Morris and other high level DOD and Department of the Army officials visited Redstone Arsenal, the home of the Army Missile Command, to see the compact system in operation.

The thinking behind the system is obvious. An engineer, when he is designing a missile system, for example, must design each part with certain characteristics in order for it to do a certain job. For example, he may need a relay that operates on 200 volts, is capable of withstanding a 500 degree temperature and will fit in a two inch space.

His problem is this: is there already such a relay in existence or must he design a new one. Designing a new one costs money and it further clutters up the supply system with duplicate parts.

There are a number of data retrieval systems in use that will find the part for the designer if he knows its correct number. But, (See RETRIEVAL on Page 3)

ROCKET DEADLINE

Since Monday is a holiday, all stories and pictures for inclusion in next week's Redstone Rocket MUST be in the Information Office by noon Friday.

GEN. DR. SPEIDEL GERMAN OFFICIAL EXPECTED FRIDAY

A German military official who holds a position equivalent to a presidential advisor in the United States will visit the Army Missile Command at Redstone Arsenal this Friday.

He is Gen. Dr. Hans Speidel, Special Advisor to the German Federal Government for Questions of Atlantic Defense.

During an orientation tour of the Arsenal Gen. Speidel is scheduled for a briefing on the Pershing missile system. The Federal Republic of Germany has purchased Pershing systems for inclusion in its defense system.

Gen. Speidel will arrive on the Arsenal Friday morning and spend the day touring Arsenal facilities and being briefed on the Missile Command's role in developing the U. S. Army defensive missile systems.

He is also scheduled to visit the Ordnance Guided Missile School here and talk with German troops who are being trained on US-developed missile systems, including the Pershing.

Gen. Speidel, who holds rank equivalent to that of an American four star general, is visiting in the United States as a guest of the U. S. Joint Chiefs of Staff.

Included in his tour of the United States are visits to the headquarters of the Strategic Air Command, Headquarters, North American Air Defense Command, Vandenberg Air Force Base, California, and Fort Benning Georgia.

DOD Will Test Buying Centralization

A lot of eggs are about to be put into one basket.

Only the "eggs" in this instance, aren't eggs—as such. They are post-award contract administration and related support functions for the Department of Defense.

These functions, at the moment involve more than 2,000 specialized personnel working in 14 separate offices sprawled over a five-state area.

But, Philadelphia has been selected by the Department of Defense as the headquarters of a pilot model Contract Administration Services Region.

The new Regional office, designed to test the feasibility of consolidating existing organizations of the Army, Navy, Air Force, and Defense Supply Agency, will cover all post-award contract administration and related support functions for the DOD in Delaware, Maryland, Pennsylvania, West Virginia, and the District of Columbia.

Activities which will be brought under single management during the test phase are:

Philadelphia Army Procurement District, Philadelphia Contract Management District (Air Force); (See CENTRALIZATION, Page 2)

Gen. Zierdt Will Speak At Dinner Tomorrow Night

The Commanding General of the Army Missile Command will be the principal speaker tomorrow night at the annual awards dinner of the Huntsville Civic Club Council at the Russell Erskine Hotel at 7 p.m.

It will be the first local public address for Brig. Gen. John G. Zierdt since he assumed the Command in September.

General Zierdt will discuss the Command's community relations program.

Tomorrow night's event will be the second annual awards banquet of the Civic Club Council. Out-of-town judges will select the Huntsville civic club which has demonstrated the most outstanding service to the community and an award will be presented.

Tickets are available from the Junior Chamber of Commerce.

HUNTING

Hunting on Redstone Arsenal reopened at sunrise Tuesday. It had been closed because of the fire hazard caused by a statewide drought.

At the same time the hunting season throughout the State of Alabama was reopened.

Plans Made To Celebrate Veterans Day

Redstone Arsenal dignitaries will join a host of distinguished visitors in Huntsville Saturday to pay tribute to America's fighting men.

Brig. Gen. Howard P. Persons, Jr., and Col. George McBride will join community leaders on the reviewing stand for Huntsville's Veteran's Day Parade. The stand is to be on the west side of the square.

Gen. Persons is Deputy Commanding General of the Army (See VETERANS on Page 3)

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

Too low they build, who build beneath the stars.
—Edward Young

Veterans Day Thought

Next Monday will be a Holiday for Redstone Arsenal personnel whose jobs do not actually require that they report for duty. It is the day that Americans throughout the world observe as Veterans Day.

I trust it will be a quiet, relaxing day for all of us whether we are resting with the family at home, are on the golf course, fishing or maybe hunting if the dry-weather ban is lifted.

But, I hope that on this Nov. 11 we will set aside a little time to reflect on the reason the Congress of the Federal Government was prompted to set aside this day to honor the men and women of our Nation who have served in the Armed Forces.

We should pause long enough to give due honor to the brave soldiers, sailors and airmen who have made it possible for us to be a free nation. And I hope we will re-dedicate ourselves to those principles of freedom and justice on which our country was established.

JOHN G. ZIERDT
Brig. Gen. USA
Commanding

Gen. Besson Tells Chaplains Men, Materiel Must Be Best

A two-pronged drive to give equal consideration to "high standards" for both materiel and men was urged by Lt. General Frank S. Besson, Jr., Commanding General of the Army Materiel Command at the first AMC Chaplains' Conference in Washington, D. C. "We spend about eight billion dollars a year for equipment and weapons," the general said.

"I can assure you there is no quicker way to jeopardize our entire operation — and in a larger perspective, to jeopardize the lives of American soldiers — than to put all of our effort on quality materiel without giving equal consideration to the quality of the personnel who are involved with its development, procurement and use."

High Standards Urged

"High standards of conduct, honesty, and integrity are basic requisites for all AMC personnel. Accordingly, anything you can do to further develop and sustain a high moral atmosphere and climate will be deeply appreciated by me, for the effectiveness of the AMC operation will be increased thereby," the general told the chaplains.

"When we organized AMC headquarters in 1962, there was no regulation directive or precedent for providing space for an Office of Chaplain in our headquarters," he said.

"None of the former technical services had such an office. Now that has all been changed. In a precedent-shattering and unique

move, a Chaplain's office was made a part of the organization whose business is that of fulfilling the materiel needs of the Modern Army.

People Must Match

"This step was taken, not because of some whim of the moment, but because we recognized that materiel is only as good as the people who build it or use it."

The chaplains were briefed on AMC, CDC, and ARADCOM missions and organizations, developments in education and training, programming, and administrative actions.

Chaplain (Lt. Col.) Richard W. Jungfer, Jr., Command Chaplain, AMC, Chaplain (Lt. Col.) Lewis M. Durden, Deputy Command Chaplain and Chaplain (Major) Clifford E. Keys, Assistant Staff Chaplain,

U. S. Army Materiel Command, were responsible for setting up the program.

Attending from Redstone Arsenal was Chaplain (Lt. Col.) Wilbur R. Bottoms and Chaplain (1st Lt.) Richard L. Andrist.

LOCAL & LONG DISTANCE
MOVING • STORAGE



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

REPRESENTING NEW YORK LIFE



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



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

Res. 881-1526 — Bus. 536-6301 — Res. 539-3256
250 Governors Drive, SE — Huntsville, Ala.

CENTRALIZATION

(Continued From Page 1)

Four Inspector of Naval Material Offices located at Baltimore, Philadelphia, Pittsburgh and Reading; and Defense Supply Agency, Procurement Support Office, in Philadelphia.

Personnel of the Army, Navy, Air Force and the Defense Supply Agency will be utilized during this test period.

Streamlining of the present system, it is hoped, will provide better service to offices engaged in purchasing military and space products for the Department of Defense and the National Aeronautics and Space Administration.

The Pilot Office will test ways of achieving more uniformity of policies and procedures, as well as the elimination of duplication and overlapping of Service activities in the field.

A military commander will be selected to head the pilot test and he will report directly to the office of the Secretary of Defense.

It is planned to complete the pilot test in about six months.

Owners of Series H Savings Bonds receive interest checks from the Treasury twice yearly. Interest averages 3% per cent on bonds held to maturity.

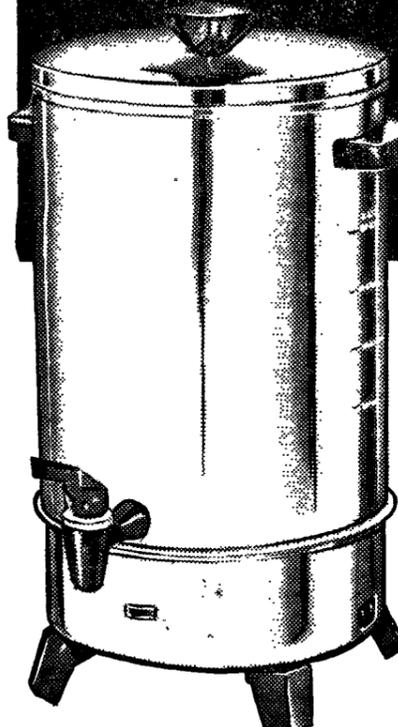
NEW!... WEST BEND

30 CUP PARTY PERK

SPECIALY PRICED AT

\$989

Brews delicious flavorful coffee . . . automatically. Perfect for serving 4 guests, or a dozen! Complete with 6 ft. detachable cord. Thermostatically controlled.



OPEN AN ACCOUNT TODAY

ZALE'S JEWELERS

TWO LOCATIONS

Heart of Huntsville & Downtown 115 Washington

You'll LOVE

ENDORSEMENT CARPET

\$5.95

Per Square Yard

By LEES

Mason

FURNITURE COMPANY

Since 1908

OPEN THURSDAY TILL 8 P.M.

115 Clinton Ave., East

W. O. MASON, Mgr.

All continuous filament Nylon

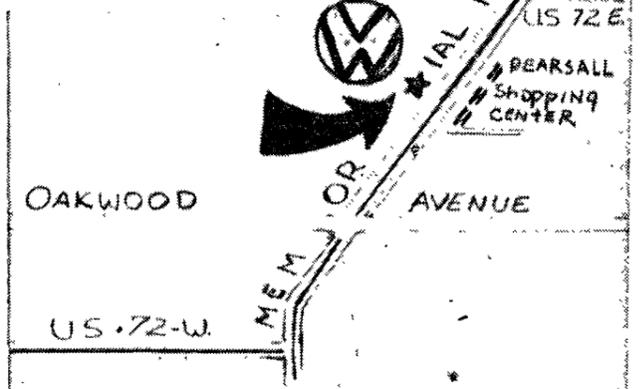
New pattern . . . New colors

Free Estimates . . . Free Decorating Service . . . Phone 534-3541

HERE'S WHERE THE SAVINGS ARE

Best Deals Ever On Autos

Slightly Used . . .



One Owner Specials

1963 FORD

Fairlane '500', 4 door. Brilliant Burgundy color with leatherette interior. Has all extras, etc. Almost new! Save hundreds of \$\$\$! Sold new in Huntsville. One owner.

1963 DODGE

2 door, Hardtop, G.T. Sport Cpe. Golden bronze color. Bucket seats, 12,000 actual miles. Sold new in Huntsville. One owner.

1960 FORD

2 door Fairlane '500'. Brand new tires, 6 cyl., S.S. with overdrive. Has clear plastic covers over original blue upholstery. This car white and immaculate. Guaranteed a one owner, radio, heater, whitewalls and seat belts.

1960 V. W.

Sunroof with all extras. This car is beautiful jade green. Sold new in Huntsville and has 24,000 actual guaranteed one owner miles. Priced to sell!!

1960 CHEVROLET IMPALA SPORT COUPE

White with original red upholstery, 6 cyl., S.S., radio, heater, whitewalls and seat belts. This is another one owner.

More Than 2 Dozen Other Of The Cleanest Used Cars In North Alabama From Which To Choose. No Money Down . . . On Older Models.



UNIVERSAL MOTORS, INC.



AUTHORIZED DEALER

N. Parkway

Pho. 539-7456

AUTHORIZED DEALER



ALLIES BOOST U. S. CHARITY—Overseas students at the U. S. Army Ordnance Guided Missile School help the United Givers Fund drive by contributing almost \$400 for city and county charities. At left Col. William J. Macpherson, commandant, watches as donations are made by (l. to r.) Major George Deligianos of Greece; Capt. Seran Uri Dror of Israel; SFC Karl Esch and Lt. Col. Hans W. P. Finck of the German Army; Lt. Col. Joh. Hellmers of the German Air Force; Major Kuo Hein-min of Nationalist China; Maj. Raymond Terry of France and Col. Kuramochi Masakazu of Japan. Not in picture are students from Korea, Belgium and Turkey who also contributed.

UGF Fund Drive Is Extended A Week

Three more reporting agencies have reached 100 per cent in pledges to the United Givers Fund campaign as the drive reached the closing stages.

Last Friday was the official closing date for the drive but an additional week is being utilized for the mopping up phases. The final report will be made later in the month, according to Al LaGrone, Finance and Reports Chairman for the drive.

LaGrone added that the First National Bank of Huntsville will close out the accounts around the 15th and that the checks covering the contributions by counties will be forwarded at that time.

Overall pledges to the campaign have reached \$198,637 with \$149,464 of this amount having been collected.

The new members of the 100 per cent club are the Office of the Deputy Commanding General, Air Defense System, the Mauler Project Office and the Missile Intelligence Directorate.

The agency chairmen for these organizations are, Maj. I. S. Connolly in Gen. Howard P. Person's Jr. Office, Richard Mills, for Missile Intelligence and William Goodman for the Mauler Project Office.

The organizations reaching 99 per cent are the large directorates, Supply and Maintenance, Procurement and Production, and Research and Development, representing almost a third of the Arsenal workforce.

UGF SCOREBOARD

	Per Cent	Per Cent
	Participation	Fair Share
Office of the CG Chief of Staff (Including C & DP and staff offices)	103	100
DCG, Air Defense	86	55
DCG, Land Combat	100	82
P & P	99	84
S & M	99	91
R & D	99	77
Missile Intelligence	100	20
Hawk	87	66
Hercules	101	83
Lance	100	87
Mauler	100	93
Pershing	96	67
Sergeant	92	56
Zeus	96	85
Shillelagh	84	74
AMSC	89	60
OGMS	96	70
Area Engineers	71	22
Thiokol	84	51
Rohm & Haas	82	50
Total Amount Pledged	\$198,637	
Total Amount Collected	\$149,464	

RETRIEVAL

(Continued From Page 1)

in the case, described above, he doesn't know a number — only what the part must do and what it looks like.

So, he goes to EDS-0009's keyboard, which looks something like a bookkeeping machine used in department stores, and punches in the characteristics of the part he needs. For relays, for example, he may punch in as many as 60 different characteristics; not only volts and sizes, but also such things as the resistance of the coil, the operating power in watts, the type of insulation and even how resistant it is to fungus.

In some ways it's almost like ordering from a mail order catalog.

The system then searches all of the similar parts stored in its microfilm "memory" until it finds a part that matches the characteristics the designer has asked for.

In case there is not a part that fits the designer's requirements exactly, the system tells him, in effect, to try again and not be so restrictive this time. It may be that there is a part which will come close enough so that minor redesign will make it work just as well.

Once a part (or parts) is found that meets the requirements the machine projects drawings and all applicable information about it on a screen. At the request of the designer, it will also furnish printed copies of the information in a matter of seconds.

The total time elapsed from the initiation of search until the system reports on its finding: a fast six seconds.

The heart of the system is a number of cartridges of microfilm, each of which may contain

VETERANS

(Continued From Page 1)

Missile Command and Col. McBride is Assistant Commandant of the Army Ordnance Guided Missile School.

Among the other notables will be U. S. Senator John Sparkman; Roscoe Roberts, Madison County State Senator; James W. Baker, Luke Reynolds and Harry L. Pen-

nington, all members of the House of Representatives.

A motorcade, which will form at Elks Lodge, will be escorted to the reviewing stand at 1:10 p.m., kicking off the activities.

Redstone Arsenal's 55th Army Band will present a concert at the reviewing stand where Judge Dave Archer will introduce guests, followed by a proclamation by Huntsville Mayor, R. B. Searcy.

John Hatch, President of the Huntsville Association of the United States Army, will be guest speaker.

The parade is scheduled to start at 2 p.m. and will include many of the Army's missile systems—including Nike Hercules, Lacrosse, Hawk, Sergeant and Honest John.

These missiles will be taken to Birmingham on Monday for the Veteran's Day parade there.

Army Announces Nike Zeus Test

The Army announced last week a successful firing test of its Nike Zeus anti-missile system at White Sands Missile Range, N. M.

The Nike Zeus Project Office at Redstone Arsenal, Ala. said continuing tests of the system are designed to aid in the development of the new Nike X anti-missile system which will be an advanced version of the Nike Zeus.

The Nike X system is now in the early development stage. It will utilize the Zeus missile as well as a high acceleration Sprint missile.

The higher Americans' purchasing power, the better speaks our economic system. Investment in U. S. Savings Bonds helps to increase the strength of both.

At SNO-WITE

BREAKFAST

SERVED

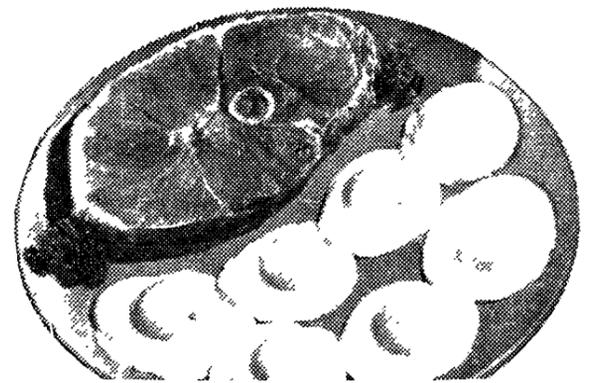
24 HOURS A DAY!

TWO EGGS

Butter, Toast and Jelly

39c

(Poached or Boiled 10c Extra)



TWO EGGS

With Ham, Bacon or Sausage

Butter, Toast and Jelly 53c

ONE EGG

With Ham, Bacon or Sausage

Butter, Toast and Jelly 42c

Golden Brown Waffle

With Homemade Syrup with H.A.M., B.A.C.O.N. or S.A.S.U.S.A.G.E.

53c

SNO-WITE DRIVE INN

WHITESBURG DRIVE

OPEN 24 HOURS — 7 DAYS A WEEK

FEDDER'S ADAPT-O-MATIC HEAT PUMP

And

ADD ON AIR CONDITION

THE BEST AT LOW PRICES

"Now Is The Time To Buy"

Installation Available — "We Service What We Sell"

HUNTSVILLE

ROOFING COMPANY

2511 Triana Blvd., SW

Phone 534-7366

WANT MONEY?

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

LOANS

From \$301. Up

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

CONSOLIDATE YOUR BILLS—PAY ONE SMALL NOTE!

Guardian



Discount

PHONE 539-2787

1004 MERIDIAN ST., NO.

HUNTSVILLE



THIOKOL BOARD MEMBERS VISIT—Two members of Thiokol Corporation's Board of Directors examine a rocket motor display while visiting the firm's Huntsville Plant. Left to right are: J. W. Wiggins, Vice President and General Manager of Thiokol's Alpha Division; Admiral Arleigh A. Burke, USN (Ret.), Thiokol Board of Directors; General Orval R. Cook, USAF (Ret.), Thiokol Board of Directors; and J. H. Goodloe, Huntsville Plant Manager.

Col. Graham Says

Tell Management About New Problems In Hawk Up Keep

Major improvements being made in the Hawk air defense and other missile systems will place added responsibility upon maintenance technicians, Col. Charles R. Graham told graduates of the Army Ordnance Guided Missile School last Friday.

The Army Missile Command's Hawk Project Manager addressed 40 U. S., Korean, Turkish and German students at a ceremony in the Post Theater. The graduates were completing courses on the Nike-Hercules and Hawk missiles.

Graham urged the graduates to participate more fully in the feedback of technical observations on the changes that they will encounter when they begin work in the field.

An electronic simulator is in production that will materially alter the shop test equipment, and improved illuminators are to be deployed in the next few months, Graham declared.

"I urge you to be curious and

record anything which deviates from what you would expect to be normal in this system," he stated, adding that his office would give priority attention to such reports from the field.

Lt. Col. R. H. Lee, chief of the OGMS Air Defense Missile introduced Col. Graham to the graduates.

Two outstanding student awards were presented by John Hatch, president of the Tennessee Valley Chapter of the Association of the U. S. Army. S/Sgt. Jimmly L. Hann was honored for an average of 98.7 in the Hawk maintenance supervisory course, while German Air Force Cpl. Dieter Stege scored 96 in the Nike track radar course.

Honor graduates included Turkish Capt. Cavit Ozhan; SFC Kyung-sup Shim of Korea; and Cpl. Rolf Dieter Kroeger and Sgt. Ludwig Feige, both of Germany.

National anthems were played by the 55th U. S. Army Band.



LANCE APPEARS IN PUBLIC FIRST TIME—Shown above is an Engineering Mockup of the Army's new Lance missile as it was displayed in a small park in front of the Sheraton Park Hotel in Washington, D. C. last week. The occasion was the annual convention of the Association of the United States Army. The Lance drew prominent exhibit space and was viewed by civilians and military from all parts of the United States. As a salute to the Lance, the same photograph is featured in the Oct. 28 issue of Missiles and Rockets.

**ARE YOU BUYING OR SELLING?
MORTGAGE LOANS**

Maximum FHA and VA — Maximum Terms
Conventional Loans 5½% - 5¾% — 25 Yr. Terms

W. B. Leedy and Company, Inc.

401 Lowell Dr. Suite 6
Phone 539-3404
Huntsville, Alabama

North Parkway Branch Office

**NOW
OPEN**

At 2516 N. Memorial Parkway

Adjoining Pearsall Shopping Center
For Service At Your Convenience

— OPEN —

Noon to 8:00 P.M., Daily

9 A.M. to 5 P.M., Saturdays

A Full Service Branch Office

- New Accounts
- Shares Deposits
- Shares Withdrawals
- Loan Disbursements
- Loan Payments
- Account Information

ASSETS OVER \$9 MILLION



REDSTONE FEDERAL CREDIT UNION
A Cooperative Savings and Loan Corporation

Redstone Arsenal, Alabama

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.



THIS IS HAWK, SIR—Maj. Gen. J. E. Engler, left, Deputy Commanding General of the Army Materiel Command, visits Redstone Arsenal to see how the Army Missile Command works. The Missile Command is a major element of the Materiel Command. Conducting Gen. Engler on the tour is Brig. Gen. Howard P. Persons, Jr., Deputy Commanding General for Air Defense Systems, of the Missile Command; and at right, discussing his system, is Col. Charles Graham, the Hawk Project Manager.

Fixed Price Is Feature For Pershing Production

Martin-Marietta Gets \$13,500,000

Production of the Pershing ballistic missile system will be done for the first time under a fixed price contract which was awarded this week.

The contract, for \$13,350,000, was awarded to the missile system's prime contractor, the Martin-Marietta Corp., located in Orlando, Fla. It calls for Martin to build a specific number of missiles for a firm fixed price.

While fixed price is not new as a contracting form, it has not been a common type of contract in the defense industry with such complex missile systems as Pershing. It has been for several years the ultimate objective of defense agencies to reach a fixed price posture as early as possible in the contracting cycle.

The Pershing currently is undergoing service tests with off-range firings into White Sands Missile Range, New Mexico. Service tests are designed to determine if the missile system meets the desired military characteristics when handled by soldiers in the field.

The Pershing is one of the Army's most reliable missile systems.

Col. Edwin I. Donley, Pershing Project Manager, directs the program from his headquarters at the Army Missile Command, Redstone Arsenal, Alabama.

Prior contracts on Pershing, as with most major weapon systems, have been by some form of cost-reimbursable agreements, either cost plus fixed fee (CPFF) or the preferred cost plus incentive fee (CPIF).

With the fixed price contract, the exact cost is negotiated in advance and should costs run above the established price, it comes out of the contractor's pocket.

The Pershing is a two-stage bal-

istic missile capable of delivering a nuclear warhead at ranges up to 400 miles. Martin was named prime contractor in 1958, working under the direction of the Pershing Project Manager at the Missile Command.

AWARD TO FUND R&D FOR REDEYE

The U. S. Army has announced that General Dynamics Pomona, a Division of General Dynamics Corporation, was awarded \$2,900,000 for continued development of the Redeye surface-to-air guided missile.

The work will be performed by the Pomona, California, facility of General Dynamics Corp.

The program for the missile is managed by the Redeye Commodity Office at the Army Missile Command, Redstone Arsenal, Ala.

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

Los Angeles Procurement District will administer the contract for the Army.

Series E Savings Bonds cashed during 1962 averaged less than one per cent per month of the total amount of E Bonds outstanding, the U. S. Treasury reported recently.

ENJOY "OK" USED CAR SAVINGS
B-U-Y W-I-T-H
WARRANTED CONFIDENCE
HILL CHEVROLET CO.

CHEMISTS SHOW APPRECIATION

Chemists from the Propulsion Laboratory of the Research and Development Directorate use the talents of the Patent Center staff whenever individuals or teams come up with a new development.

To show their appreciation to the men who dig out the information which shows whether or not the idea is patentable, the chemists honored the Patent Center advisors and secretaries who service their area at a recent lunch.

Jack W. Voight and James W. Adams, the patent advisors, and Lorraine Whittaker and Jo Ann Chandler, secretaries, were the

honor guests.

The chemists included their own secretary Gloria Currah who had to learn a whole new shorthand and typing vocabulary when she went to work for them.

Chester Huskins, a Group Leader in the Chemistry Branch of the Laboratory, said that almost everyone in the Branch has a patent or two to his credit. From the chemists notes, the patent advisors work out the necessary paperwork which sometimes takes a mountain of books for research before it can be forwarded as a patent application.

Also among guests at lunch

were Niles White, Chief of the Chemistry Branch, and Joseph Cox, Deputy Chief of the Propulsion Laboratory.

Some of the patents that have been obtained: Robert Betts and N. P. Williams jointly hold a patent on pyrotechnics and other devices for squibs and ignition.

B. J. Alley's patent was awarded for analysis of rocket propulsion systems.

H. C. Allen developed new polymers and polymeric binders for propulsion systems.

H. C. Carter's patent is on a new curing agent for epoxide resins. Huskins, White and O. E. Ayers found new chemical ingredients to improve propellant composition as did Clay Howard—working with both liquid and solids.

James Burnett developed a new method for obtaining an aluminum mirror on a surface.

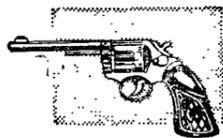


GUNS

- Browning
- Remington
- Winchester
- Ithaca
- Beretta
- Sako
- Franchi
- Anschutz
- Smith & Wesson
- Colt
- Star
- Ruger

Reloading Tools and Components

- Pacific
- RCBS
- C-H
- Lyman
- Powder
- Bullets
- Shot
- Wads
- Primers



ARCHERY

- Sovereign
- Locksley
- Ben Pearson



● WE TRADE ●
CAN BE BOUGHT . . .
NOTHING DOWN
SMALL MONTHLY PAYMENTS

WILEY SALES CO.

4310 GOVERNORS DRIVE

PHONE 539-2262



A PRODUCT OF ANHEUSER-BUSCH, INC., ST. LOUIS, MISSOURI

DISTRIBUTED BY
Turner Beverage Co.
Huntsville, Ala.

Need holiday shopping cash?



Get a loan from HFC

Get extra cash now...for gifts, travel and all your seasonal money needs. Borrow confidently from the people more servicemen trust—HFC.

Cash You Get	MONTHLY PAYMENT PLANS		
	30 months	24 months	12 months
Ask about Credit	\$500	\$24.73	\$46.81
Life and Disability	700	34.30	64.92
Insurance on loans	1000	\$40.05	48.76
at group rates	1500	59.80	72.80
	2000	78.96	96.13

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



BOB HARRIS . . . The Passer

Hornets Come From Behind To Clobber Crusaders 8-2

A five-yard scoring pass capping a long sustained march brought the Troop Command Hornets an 8-2, come-from-behind win over the Unit Training Command Crusaders in a vicious defensive battle last week at the Arsenal Field.

In posting the win, the Hornets captured the 1963 Redstone Arsenal championship. Only one game remains to be played on the league schedule tonight between the Crusaders and the Packers. The Troop Command eleven ended their slate with three wins in four starts.

In the first half of the game neither team was able to mount much of an attack against the fierce line play that was thrown up by the defense on both sides.

The only sustained drive during the half was put on by the Crusaders when they drove to the four-yard line. But the dogged Hornet defense threw back four smashes at their line and took over at the one-yard line.

In trying to move the ball away from the goal line, quarterback

Bob Harris handed off to one of his halfbacks who was spilled in the end zone for a safety.

The Crusaders protected their 2-0 lead until late in the third quarter when Harris finally got the Hornet backs to moving. They took the ball deep in their own territory and picked up five first downs to drive all the way to the Crusader five.

Harris took to the air and after missing connections on three passes, found Dan Gruber free and hit him for the six-pointer. The conversion attempt was allowed when a Crusader defender was detected interfering with the Hornet receiver.

Midway in the fourth period the Crusaders started a march of their own but time ran out on them after they had reached the Hornet 30.

Mel Rounds, Jim Robbins, Bob Scasselita and George Burns were the Hornet forwards that played such an important role in the win that successfully threw back each Crusader drive.

The Crusader linemen who turned in yeoman performances were Bob Tate, Mel Robinson, Dick Benson and Ed Lenz.

MRS. LAVER WINS

In a low gross, low net, low putt tournament sponsored by the Redstone Arsenal Officers Wives Golf Group, Mrs. V. J. Laver won all for the first flight last Wednesday. The Group plays on the Arsenal golf course.

Second flight winners were Mrs. Lloyd Deppensmith low gross and low net, Mrs. D. E. Bowers low putt.

Scoreboard

OGMS OFFICERS LEAGUE		
Team	Won	Lost
Rounders	16	8
Zeros	15	9
Bohunks	13	11
Bowl Weevils	11	13
Admin	11	13
Missile Comp. Div	6	18

High Team 3 Game:
Bohunks—2483 (Scratch)

High Ind. 3 Games:
Webb—573 (Scratch)

High Team Game:
Rounders—873 (Scratch)

High Ind. Game:
Furgerson—225 (Scratch)

THURSDAY MORNING LADIES LEAGUE		
Team	Won	Lost
Splits	13½	6½
Tryettes	13	7
Old Timers	10	10
Terrific Trio	10	10
The U. N.	10	10
Roaring Trio	9½	10½
Gutter Dusters	9	11
Youngsters	5	15

High Team 3 Games:
Roaring Trio—1265 (Scratch)

High Ind. 3 Game:
J. Arnold—533 (Scratch)

High Team Game:
Roaring Trio—640 (Scratch)

High Ind. Game:
E. Taormina—266 (Scratch)

ENLISTED MEN MIXED LEAGUE		
Team	Won	Lost
No. 4	28	4
No. 8	20	12
No. 2	17	15
No. 1	16	16
No. 5	15½	16½
No. 3	12	20
No. 6	11	21
No. 7	8½	23½

High Team 3 Game:
Team No. 8—1960 (Scratch)

High Ind. 3 Game: Men—
G. Ryan—607 (Scratch)

High Ind. 3 Game: Women—
M. Louis—551 (Scratch)

High Team Game:
Team No. 8—728 (Scratch)

High Ind. Game: Men —
W. Hamer—244 (Scratch)

High Ind. Game: Women—
B. McClure—207

Bowlers Will Win Turkeys

A special bowling tournament with Thanksgiving turkeys for prizes have been slated by the Redstone Arsenal bowling lanes for two weekends later this month.

Separate meets will be held each day, Saturday, Nov. 16, Sunday, Nov. 17, and the following Saturday and Sunday.

The tournament will be a handicap affair with the turkeys being awarded on the basis of one for each five entries.

RSA OFFICERS WIVES BOWLING LEAGUE

Team	Won	Lost
Merry Mrs.	19	9
Who Cares	17	11
Gamblers	16	12
Missers	15	13
Comets	13	15
Poor Excuses	12	16
Misfits	11	17
Crazy Eights	9	19

High Team 3 Games:
Missers—1878 (Scratch)

High Ind. 3 Games:
Lau—495 (Scratch)

High Team Game:
Crazy Eights—691 (Scratch)

High Ind. Game:
Lay—213 (Scratch)

BANTAM LEAGUE

Team	Won	Lost
No. 5	12	3
No. 3	12	3
No. 2	10	5
No. 4	8	7
No. 8	6	9
No. 7	6	9
No. 1	4	11
No. 6	2	13

High Ind. Average: Boy—
Thompson—110 (Scratch)

High Ind. Average: Girl—
Quantz—100 (Scratch)

High Ind. Game: Boy—
Harris—164 (Scratch)

High Ind. Game: Girl—
Boyer—126 (Scratch)

High Ind. 2 Games: Boy—
Harris—255 (Scratch)

High Ind. 2 Games: Girl—
Goyer—219 (Scratch)

SCHOOL TROOP COMMAND LEAGUE

Team	Won	Lost
The Bisons	24	4
Raiders	21	7
Co. "C" No. 1	15	13
Pin Pickers	14	14
Pop Tops	13	15
Co. "C" No. 2	12	16
5 Aces	8	20
Hq. STC	5	23

High Team 3 Games:
Bisons—2649 (Scratch)

High Ind. 3 Games:
Kasper—628 (Scratch)

(See SCOREBOARD on Page 7)



GAN GRUBER . . . The Receiver

WE HAVE A WONDERFUL WORLD OF BARGAINS

— Featuring —

The Cleanest Guaranteed Used Cars Anywhere

1960 TR3 TRIUMPH
Solid red, like new.
\$1395.00

1959 OLDS '98'
Coupe. Full power, one owner. Like new.
\$1495.00

1959 FORD
Station Wagon. Low mileage. A really nice car.
\$895.00

1962 CADILLAC
4 door hardtop, black, full power, factory air, low mileage. Like new.
\$4295.00

1959 CADILLAC
4 dr. hardtop, factory air condition, yellow finish, extra clean. Wonderful bargain.
\$2395.00

1963 FALCON
2-door green, low mileage, like new.
\$1695.00

1961 OLDS F-85
4 door, light green, low mileage. Same as new.
\$1595.00

1962 OLDS
Starfire, 2 door hardtop, blue, 11,000 actual miles. Local one owner.
\$2995.00

1963 CHEVY
Hardtop 4 dr. Impala, extra clean, low mileage. Like new.
\$2595.00

1963 IMPALA
4 dr. sedan, 3,000 actual miles, power steering and brakes. 6 cyl.
\$2395.00

1962 CHEVY BEL AIR
4-door, black with red interior, 15,000 one owner miles. 327 engine with auto. trans.
\$1995.00

1960 CHEVY
6 cyl., S. S., turquoise. Like new.
\$1395.00

1960 CHEVY IMPALA
Convertible, white with black top and red interior. V8, auto, full power, 31,000 miles, one owner, like new.
\$1695.00

1962 FORD GALAXIE
2-door sedan, 6 cyl., stick shift, radio, heater, one owner, low mileage, new condition, new tires.
\$1595.00

WRECKER SERVICE

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

Hill Chevrolet Company

LEARN TO FLY!

NEW BEECH & PIPER AIRCRAFT SALES & RENTALS
8-HOUR COURSE

Solo \$99.00

IN GROUPS OF 5 — SINGLE \$120.00

Huntsville-Fayetteville Flying Service
807 Madison St. — Phone 539-3542 or 539-1191

Base operation Fayetteville Municipal Airport
Directions: Highway 231 North — 3 Miles North of State Line.

CLEAN CARS INC.

"We Sell to Sell Again"

501 MADISON ST

PHONE 539-1769

SCOREBOARD

(Continued From Page 6)

High Team Game:
Raiders—924 (Scratch)
High Ind. Game:
Kasper—245 (Scratch)

RSA OFFICERS MIXED LEAGUE

D. Yanks	49	14
Bombers	41	22
Redstones	36	27
Bowl Weevils	31	32
Pin Droppers	28	35
D. Doms	26	37
Hi Counts	22	41
Baby Splits	18	45

(DOUBLE LEAGUE)

High Team 3 Games:
D. Yanks—3901 (Scratch)
High Team Game:
D. Yanks—729 (Scratch)

AMERICAN BRITISH CANADIAN OFFICERS LEAGUE

Team	Won	Lost
S. Winners	39	9
Black Jacks	32	16
Lucky Strikes	29	19
Wheezers	26	22
Hope Fuls	22	26
AF Jupilos	20	28
Pin Splitters	16	32
Maulers	8	40

High Team 3 Games:
S. Winners—2755 (Scratch)
High Ind. 3 Games:
Gulbranson—693 (Scratch)
High Team Game:
S. Winners—931 (Scratch)

High Ind. Game:
Gulbranson—264 (Scratch)

RSA OFFICERS LEAGUE

Team	Won	Lost
Spoilers	19	9
Mets	19	9
Bandits	17	11
Robbers	15	13
Medico No. 1	12	16
Ailey Cats	12	16
OGMS	10	18
Procure Mites	8	20

High Team 3 Games:
Mets—2476 (Scratch)
High Ind. 3 Games:
Drissel—634 (Scratch)
High Team Game:
Bandits—864 (Scratch)
High Ind. Game:
Thurseson—234 (Scratch)

SATURN ROOSTER LEAGUE "A" DIVISION

Team	Won	Lost
Black Forest Lounge	31	5
Lockheed (Rift)	21	15
Hayes Top Seven	20	16
Space	20	16
Hall's "66" Serv. Sta.	19	17
Republic Aviation Corp.	18	18
Hilding Holmberg Corp.	18	18
Garrett Airesearch Corp.	17	19
Martin Co., Mfg. Div.	17	19
Brunson Instruments	14	22
C. W. Stewart Machinery	13	23
Hayes Ex-Cons	8	28

200 GAMES:
Eubanks, 200, 203; Magnant, 202, 203; Drummond, 204; Klecka, 212; Shott, 213; Terry, 215, 202; Phillips, 223.

"B" DIVISION

Team	Won	Lost
Pin Palace Lanes	24	12
Redstone Fed. Credit	24	12
Arrowhead Products	23	13
Norris-Riddle Furn.	22	16
All Sports Trophies	22	16
Redstone Mach. & Tool	17	19
RCA	16	20
Hayes Designers	15	21
Progressive Welders	15	21
Modern Mach. Assoc.	14	22
Terry Hts. Clnrs.	13	23
Reba's Bowling Apparel	11	25

600 SERIES:
Meadows—189, 244, 201—634

200 GAMES:
Messer, 206; Mosser, 215; Francis, 232; Meadows, 244, 201.

Christmas Gifts Going Overseas Should Be Mailed Nov. 1-20

Christmas gifts for Armed Forces personnel overseas should be mailed between November 1 and November 20. Air mail packages should be sent before December 10.

Gifts should be securely packed in cartons of wood, metal, or double-faced corrugated fiberboard. Fragile items should be surrounded by tightly packed cushioning material or shredded paper.

Military postal officials emphasized that small items of jewelry (i.e. watches, bracelets, rings, pen and pencil sets, etc.) should be sent by registered mail to afford greater protection and insure prompt delivery.

Matches, lighter fluid, and similar flammable items are prohibited. Tobacco products and coffee may not be sent to certain APOs. Those sending gifts should consult local post offices for details on these and other restrictions and for size and weight limitations to certain areas.

Mailers are urged to send their gifts as early as possible during this period to minimize possibilities of non-delivery before Christmas Day.

Currently, some 463 million separate U. S. Savings Bonds are owned by American families — worth nearly \$47 billion.



LONG DISTANCE PROMOTION—Carl W. Hartman, U. S. Army Combat Development Command's Missile Support Division attached to the Ordnance Guided Missile School at Redstone Arsenal, receives news of his promotion to Lieutenant Colonel via telephone from his headquarters at Aberdeen Proving Ground, Md. His wife, Ann, assisted by Lt. Col. William W. Paris, Chief of the Redstone CDC group, decorate the new "light" colonel with silver leaves simultaneously with the call. Lt. Col. Hartman arrived at Redstone Arsenal in May 1963 after serving with I Corps Advisory Team, MAAG Vietnam.

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

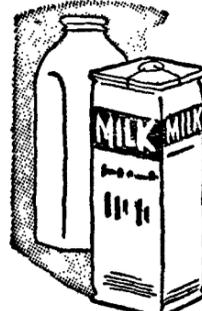
BILL WRIGHT
General Manager
251-7243

YOUR NEW BOOK STORE
Has . . .

- Art Supplies
- Exceptional Gifts for All Occasions
- Oil Paintings
- Crane Stationery
- Hallmark Cards
- Large Selection of Christmas Card Albums

THE BOOK INN
HEART OF HUNTSVILLE SHOPPING CENTER
PHONE 539-2246
"Largest Selection of Children's Books in Town."

- MILK -



It's easy as ABC to keep farm-fresh milk on hand for meals and snack-time. Just lift your phone and dial us for delivery!

Meadow Gold Dairies

CLINTON STREET — HUNTSVILLE, ALA.

WE PLAY BALL WITH SERVICEMEN FROM BEGINNING TO END!

You'll like our friendly, matter-of-fact, handling of money problems

- We get right down to brass tacks.
- We make loans for every reason—to pay bills, to finance purchases, for furloughs and emergency trips.
- We even shuffle payment dates to suit your pocketbook.

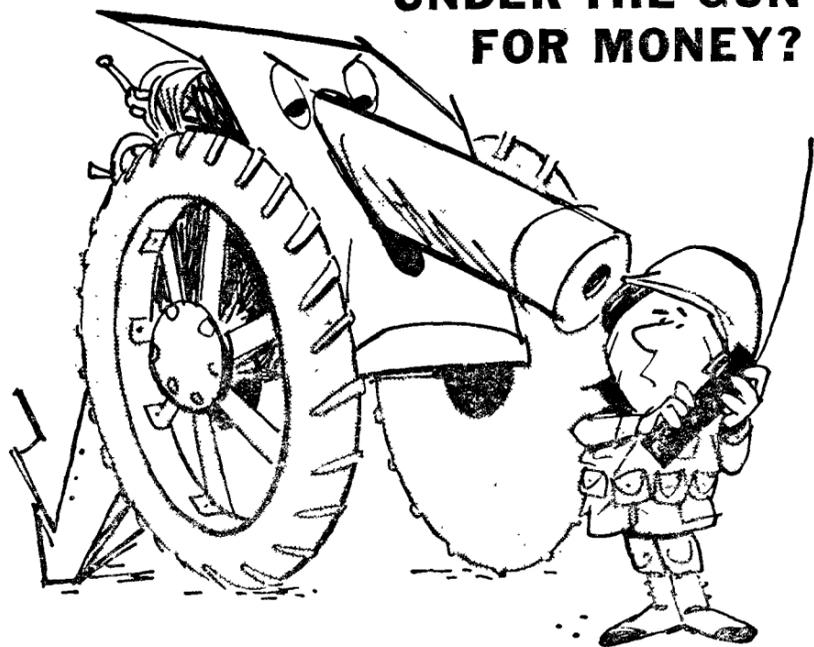
Besides, it's smart to establish your credit with an organization that has offices from coast to coast; and in addition, maintains a World-Wide Loan Service especially designed for U.S. military personnel stationed overseas. The moment a G.A.C. Credit Certification Card is issued to you, your credit goes wherever you go.

G.A.C. FINANCE CORPORATION
LOANS UP TO \$300 • UNDER STATE SUPERVISION
G.A.C. DISCOUNT COMPANY
LOANS \$350 TO \$2000



213 RANDOLPH AVENUE, S.E.
Huntsville, Alabama
Telephone 534-6458

UNDER THE GUN FOR MONEY?



See Seaboard for a loan. Whenever you need money, don't worry, see Seaboard. Seaboard rents money. For extra fast service—telephone for a personal (and confidential) appointment.

SEABOARD ACCEPTANCE COMPANY

LOANS TO \$1,500

108 Clinton Avenue East — Huntsville, Alabama — 539-8426

SOCIAL ^{and} CLUB EVENTS

AOA Dinner Tickets Are On Sale Now

Tickets go on sale Tuesday for the annual meeting of the Tennessee Valley Post of the American Ordnance Association.

Maj. Gen. Ben I. Funk, who heads the Space Systems Division of the Air Force Systems Command, will be the featured speaker for the event which will be held Nov. 26, at Redstone Arsenal Officers' Club.

Theme of the meeting will be "Military Space Operations." About 500 chapter members, their wives and guests are expected.

Gen. Funk's command is responsible for planning and developing a military space capability for the United States.

In a supporting role for the National Aeronautics and Space Administration, his command provided launch vehicles for many of the nation's near and deep space programs—including Mercury, Ranger and Mariner.

Also in support of NASA, the Space Systems Division will provide the Titan II space booster for the Gemini two-man space capsule.

David H. Newby is president of

Mrs. Cosby To Be Luncheon Speaker

Mrs. Mrs. Donald R. Cosby will be the guest speaker at the Redstone Officers Wives Club luncheon next Tuesday at the Squirrel Hill Officers Club.

A social half hour beginning at 12:30 p.m. will precede lunch.

Reservations can be made until noon Friday, Nov. 8 with Mrs. J. Farrington, 877-5260; Mrs. J. B. Stewart, 877-5556; Mrs. William Paris, 877-5342 and Mrs. Lloyd Wright, 877-5676. Mrs. Farrington will accept cancellations until noon Monday.

Society To Meet At Local Center

The North Alabama Chapter of the American Meteorological Society will meet Friday at 8:00 p.m., in Room 218 at the University of Alabama, Huntsville Center.

Glenn E. Daniels of Marshall Space Flight Center will present a paper, "Measurement of Air Temperature." The theory and errors of gas temperature measurements will be discussed. To achieve a high degree of accuracy in gas temperature measurement, a method is described where several thermocouples may be wired together to make the Radiation Compensating Thermocouple. This thermocouple is designed such that the errors of measurement from the radiation environment will cancel out.

Visitors are welcome.

the Tennessee Valley Post of the AOA.

Tickets may be purchased on the Arsenal from Jeff Darwin, Bldg. 4488; J. Lemay, Bldg. 4200; and David H. Newby, Bldg. 4200.

They may be bought in Huntsville from J. R. Bruce, Albert F. Wild and T. D. Johnson.



FOREIGN OFFICERS VISIT R&D—James F. Dark (left), a test engineer with the Test and Evaluation Laboratory in the Army Missile Command's Directorate of Research and Development, explains the control panel for a huge vibrator used in testing the Army's missiles. The officers from left to right are Lt. Col. Abu Zeid, assistant quartermaster general for the Jordan Arab Army; Col. Arnold R. H. Andersen, chief of administration for the Danish Army Ordnance Corps; and Col. Mohamed Sadiq Malik, commandant of the Pakistan Army Ordnance Corps Center at Karachi. The officers were at Redstone Arsenal to learn about the functions, mission, and operation of the Missile Command.

Monday Bridge Draws Six Tables Of Competitors

Six tables of players competed at Monday night bridge last week at the Squirrel Hill Officers Club with Mrs. Eugene Krembs and Lt. Col. J. H. Hellmers scoring high for the women and men respectively.

Runnersup were Mrs. John L. Brown and Howard Blood.

Mrs. Peter Iber handles reservations to play with the group

which meets each Monday night. Reservations or cancellations are accepted until Sunday at 7:30 p.m. Reservations or cancellations are accepted until Sunday evening.

Electrical Engineer To Address Society

The Northeast Alabama Chapter of the Alabama Society of Professional Engineers will hold their regular monthly meeting at the Southern Cafeteria, Thursday, November 14, 1963. The social hour will begin at 6:30.

Dr. F. J. Tischer of the University of Alabama Research Institute will speak on the "Revolution in Engineering." Dr. Tischer received his Ph.D in Electrical Engineering from the University of Prague. His post doctorate work was in theoretical physics and electromagnetics, followed by work in microwave physics at Telefunken Research Laboratories; Royal Institute of Technology, Stockholm, Sweden; and his own laboratory.

In 1954, Dr. Tischer came to the U.S. with the Ordnance Missile Laboratory and from 1956-62 was an Associate Professor of Research in the Electrical Engineering Department at Ohio State. He has received numerous patents and has over 40 published papers.

For reservations call: Randy Neal, Zeus Project Office, 876-1963 or Jim Webb, Zeus Project Office, 876-6323.

BUSANN'S YOUR FAMILY SHOE STORE

For every two feet in your family we have the right shoe . . . Value wise prices too!

Downtown Huntsville on Washington St.



Jim "fed up" with these clothes—let's see what's new at

the Town & Country SHOPPE

One Hour Complimentary Parking For Our Customers In Authorized DPA Parking Lots



SIMPLICITY . . . Is the Keynote in This Hair Style.

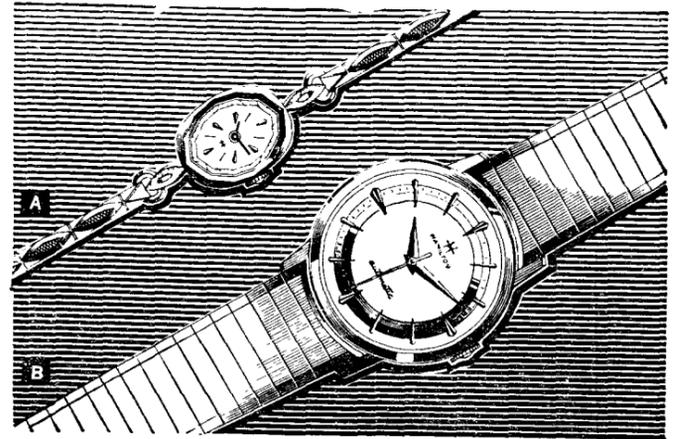
CALL US FOR YOUR NEXT APPOINTMENT

Quick's Beauty Salon

On Greene Street

Downtown Huntsville

PHONE 534-4551



bright new fashion stars by **HAMILTON**

Traditional Hamilton dependability . . . superb Hamilton styling . . . both are combined in these newest designs. For her, a classic oval shape with matching bracelet; for him, rugged masculine elegance with self-winding convenience. Make your selection today, for yourself—or for a special gift.

- A. VERONICA, 22 jewels, faceted crystal. \$79.50
 - B. A-602, self-winding, Weatherproof.*. \$79.50
- *Prices plus tax.

OTHER HAMILTONS FROM \$35

A small deposit reserves your Hamilton for Christmas

Other Hamiltons as low as \$39.95

Elgins — \$19.95 Up . . . Bulova — \$24.95 Up

38 Shopping Days Until Christmas!

A. L. HIPPI Jeweler

OUR 61ST YEAR

Washington St. — Downtown Huntsville

We Close Wednesday Afternoons



"FALLS" ROUNDUP—Just check and brand "em" and throw out the "Mavericks" is an every three months operation over at the Communications Division corral of the Assistant for Communications. Telephone installers and repairmen are quick to say "we spend a lot of time up on a ladder and you can't trust a weak one." Ladders are checked every calendar quarter and the date of inspection as shown here, is stenciled right on the rail. Left to right are Charles R. Stringer, Edward P. Williams, Chief, Communications Division, and Capt. Frank R. Williams, Asst. Post Signal Officer, who believe that fighting falls is a continuing job.

Industrial Engineers To Hear Dr. San Soucie

The Huntsville Chapter of the American Institute of Industrial Engineers will meet November 11, at the Sahara Motel for its November meeting.

The evening's program will be highlighted by a talk entitled "The Crisis in Test Equipment" given by Dr. Robert L. San Soucie,

Births At Post Hospital

Lisa Anne Shannon, 6 lbs. 14½ ozs., Oct. 23, daughter of 1/Lt. and Mrs. James T. Shannon.

Michael David Maloy, 6 lbs., 1 oz., Oct. 22, son of 1/Lt. and Mrs. Jerry L. Maloy.

Mark Douglas Maloy, 5 lbs., 4 ozs., Oct. 22, son of 1/Lt. and Mrs. Jerry L. Maloy.

Leslie Sue Chilcote, 4 lbs., 5½ ozs., Oct. 22, daughter of Capt. and Mrs. Don L. Chilcote.

Michael Dewey Hatch, 6 lbs., 7 ozs., Oct. 23, son of S/Sgt and Mrs. Clifford E. Hatch.

Judith Lynne Hand, 6 lbs., 9 ozs., Oct. 24, daughter of Sfc. and Mrs. James M. Hand.

Chauncey Wayne Holman, 7 lbs., ¾ ozs., Oct. 25, son of Seaman and Mrs. James W. Holman.

Larry Clinton Moore, Jr., 9 lbs., 6 ozs., Oct. 23, son of Sgt. and Mrs. Larry C. Moore.

Vincent John Purnhagen, 6 lbs., 12 ozs., Oct. 28, son of Pfc. and Mrs. Joseph G. Purnhagen.

Wesley Martin Lower, 7 lbs., 12 ozs., Oct. 28, son of 1/Lt. and Mrs. Jack E. Lower.

Kenneth Leroy Rawlinson, 7 lbs., 3 ozs., Oct. 28, son of Pfc. and Mrs. William K. Rawlinson.

of the skates. Make your plans to attend the party.

A shuffleboard contest is on the agenda for 8 p.m. Friday night. Prizes will be given to the winner.

Saturday, we have a contest for you men who like to play pinochle.

Nov. 10, at 9 a.m. Betty will serve hot coffee and donuts from the kitchen. Climaxing the evening is the Sunday night dance. The Charlie Lyle Orchestra will furnish music for dancing. Both the Birmingham and Huntsville Hostesses will be on hand.

Monday, the people of Redstone will celebrate Veterans' Day, so we'll be serving coffee and donuts at 9 a.m. The club and its facilities will be open at 9 a.m., and remain open until 10 p.m. Make your plans to visit the Service Club. Then at 8:15 p.m., games with prizes will be played.

MISCELLANEOUS

The musical production of "Bye Bye Shorty" proved to be a great success and was enjoyed by all. If you missed the show, you missed a good one.

Keep in touch with us and we will keep you informed of the happenings at the Service Club.

—Brenda

Vice President and Technical Director of Emerson Electric Manufacturing Company.

At Emerson, Dr. San Soucie is responsible for the overall direction of all engineering activities in the Electronics and Space Division, including research and development, systems engineering, design, development and production engineering.

Primary products of this division include ground support

equipment for the B-58, for the F-104, and automatic test systems for Air Force depot maintenance; aircraft and helicopter armament; small, area-fire rocket systems; radar and sensor sub-systems for air and spacecraft; and thermal protection sub-systems for missiles, sounding rockets and re-entry spacecraft.

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

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

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.



Thanksgiving SPECIAL

Our Finest Quality \$25.00
Permanents include styling, haircut, shampoo and set.

SPECIAL FOR
THANKSGIVING
\$15.00

— FOR BEAUTY DIAL —

NITA'S Beauty Salon

Heart of Huntsville Shopping Mall
PHONE 539-1845

—or—

NITA & DAVE'S SALON OF BEAUTY

Preston Building
Cor. Jordan Lane
& Holmes
PHONE 536-8841



At The Service Club

By: Brenda Hanson

It is oft said that these seasonal changes bring a cooler, crisper atmosphere, cool nights, colorful scenes and time to adapt yourself to the fact that the winter season is approaching us again.

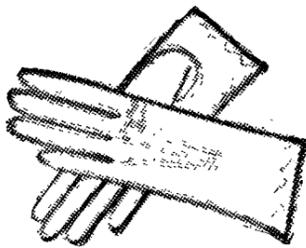
This brings a search for indoor entertainment and recreation. The Service Club stands open and ready to provide fun and shelter during the fall and winter evenings.

After the hustle and rush of last week's packed schedule, you may be wondering if this week will be a bit of a let-down. Let

me reassure you that after glancing through the club schedule for the coming days, I feel sure that the varied program will offer even more than the previous week.

The EM Council will have its regular monthly meeting on Nov. 6 at 2 p.m. Also, on the 6th at 7 p.m., the bridge club will meet in the Main Lounge. If you haven't gotten in on the bridge club, you should by all means do so now. Seems to be serving as an excellent way to rid some of your extra hours.

Then on the 7th, we have an ice skating party. If you are interested in going ice skating, come by the office and sign up. Admission is 50c for the rental



Let our expert cleaning method
keep your white kid gloves
spotless!

VALLEY CLEANERS

PARKWAY CITY

Open 7 a.m. to 7:30 p.m. Daily



Pictured Here Is One Of The
Many Original Styles From
GRADY'S

MRS. LINDA RICKETTS

"Our Model" is new to our staff
of Stylists and welcomes your
business.

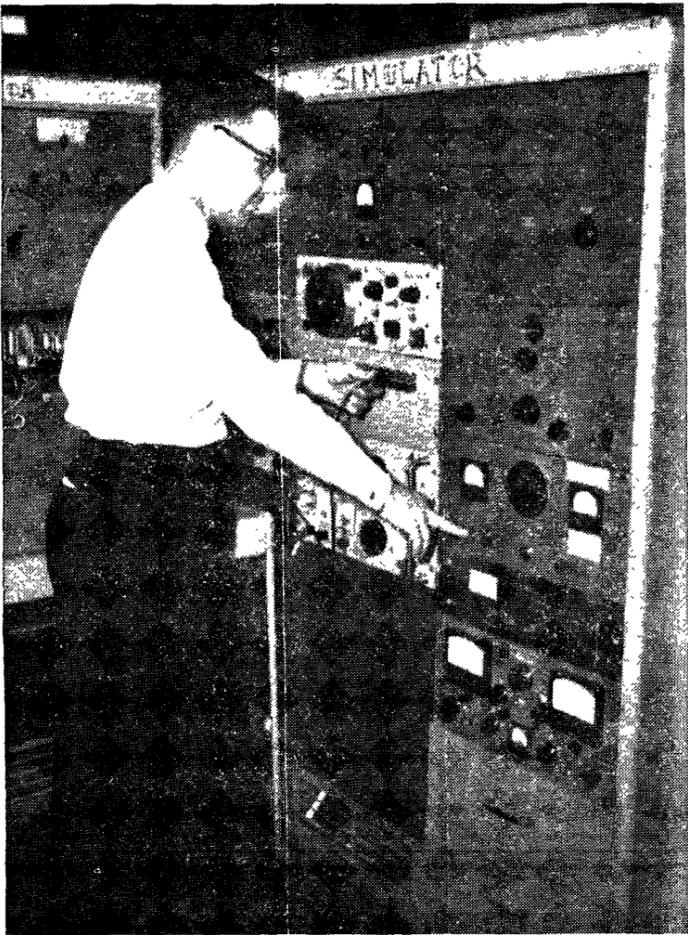
PHONE 536-3941 or 536-0779

OPEN EVENINGS BY APPOINTMENT

PLENTY FREE PARKING — — EXPERT STYLISTS

GRADY'S BEAUTY SALON

"Corner Governors Drive and Seminole"
2009 SEMINOLE DR., S.W.



CLEAR CIRCUIT—Waite H. Todd was named last week as Deputy Director of the Electromagnetic Laboratory in the Army Missile Command's Directorate of Research and Development. An electronic engineer at Redstone Arsenal since 1951, Todd is seen here checking the circuitry on an electronic complex used by the Laboratory in target simulation work.

Electromagnetic Deputy Director Is Waite H. Todd

Waite H. Todd, an engineer with seven years experience in the Army Missile Command's Directorate of Research and Development, has been named deputy director of the Electromagnetic Laboratory.

Until his appointment, Todd was chief of the Laboratory's Radiation Branch. He was promoted to the new position after William E. Yoakum, the former deputy director, resigned to accept a position with private industry.

Todd came to Redstone Arsenal in 1951 as an electronic engineer with the Rohm and Haas Company, immediately after receiving the bachelor's degree in electrical engineering from Auburn University.

After three years with Rohm and Haas, Todd returned to Auburn University, and received his master's degree in electrical engineering in 1955. He worked a year with the Sperry Farragut Company, and joined the staff of the Directorate's Physical Sciences Laboratory in 1956 as a guidance and control electronics scientist.

In 1959, he joined the Electromagnetic Laboratory, where he headed a group with the task of establishing an electromagnetic emission research facility.

A native of Trussville, Alabama, the 36-year-old scientist is a member of the Institute of Electrical and Electronic Engineers, and is also a member of Tau Beta Pi and Eta Kappa Nu fraternities.

Todd and his wife, Doris, live at 6800 Criner Road in Huntsville with their two children, Cindy, 5, and Waite, Jr., 4.

Todd's parents, Mr. and Mrs. A. K. Todd, live at 1044 Talmadge Lane in Birmingham.

Marines Are Ready To Tell The World Their History Dates Back 188 Years

For many years, a familiar watchword has been "Tell it to the Marines."

But fighting leathernecks Saturday will get a chance to "do a little telling of their own."

U. S. Marines at sea and in the field, from Moscow to Minneapolis, and from Viet Nam to Redstone Arsenal join Saturday to proclaim the 188th anniversary of the Corps.

It was on November 10, 1775, that the Continental Congress authorized the establishment of a corps of Marines and the first recruits were enlisted that year at Tun Tavern, in Philadelphia.

Most of the celebrations for these leathernecks — now some 190,000 strong, will follow the same pattern.

Dress uniforms will be worn at dinner, the commandant's message will be read, followed by the traditional cake cutting ceremony and toasts to the corps.

But—most important on this day each year—Marines give serious thought to their corps, its history, and its traditions.

Redstone Marines, although a small minority of the military population at this sprawling arsenal, will conduct two celebrations this weekend.

The non-commissioned officers will gather at their club Saturday evening for festivities. Lance corporals and below will meet Friday evening for their party. Army mess sergeants will do the honors by baking cakes for the occasions.

Marines have been a part of the Huntsville community for almost 10 years, assisting the Army in the development of such missile systems as Lacrosse, Hawk, Redeye, and Honest John.

The Marine corps is also monitoring several other systems which may be used by the Corps, which calls itself the "Nation's Force in Readiness."

Four Marines are permanently stationed at Redstone Arsenal and represent the Commandant of the Marine Corps. Two others are on duty in Huntsville with the Marine Recruiting Service.

In addition, some 35 Marines are attending the Ordnance Guided Missile School, studying missile systems currently relating to the Fleet Marine Force. Some 300 Marine students have studied at the school during the past four years.

Maj. Martin Pearson, senior Marine officer at Redstone, is on the staff of the Army Missile Command and the Ordnance Guided Missile School and is officer-in-charge of the Marine detachment.

Maj. Pearson is a 20-year artilleryman with a Master of Science Degree in missile engineering from the Naval Academy Post-graduate School.

Commenting on the future of Huntsville's land-locked "soldiers of the seas," he says:

"Marines are in the missile business to stay—and Redstone means missiles."

"The Army and the Marine Corps, as sister services with a common interest in many areas of

land combat and air defense warfare, look to this arsenal for the weapons we need to equip our

forces." "Marines will be here," he said, "for many years to come."

ATTENTION VOLKSWAGEN OWNERS

EFFECTIVE NOV. 1, 1963 NIGHT SERVICE WILL BE DISCONTINUED

Our Service Department Hours Will Be:
7 a.m. to 5 p.m. — Monday-Friday
7 a.m. 'til 12 Noon Saturday

UNIVERSAL MOTORS, Inc.
N. Parkway Pho. 539-7456



For Complete INVESTMENT SERVICE

Call 536-2461

This is a direct line, with no charge to you, to ORVIS BROTHERS & CO. in Florence, Alabama

Orvis Brothers & Co.

Established 1872

Member New York Stock Exchange And Other Leading Exchanges

STOCKS — BONDS — MUTUAL FUNDS
COMMODITIES

DRIVE A SMILE — MILE AT HILL CHEVROLET CO., TODAY!

"Smile-Mile" is their name for a demonstration drive in one of Chevrolet's 5 entirely different kinds of cars for '64.

Get in a Corvair, Corvette, Chevy II, Chevelle or a jet smooth Chevrolet and find out what all the smiling is about.

Go for a "Smile-Mile" drive at Hill Chevrolet Co. today and get your free Chevrolet song book at the same time.

HILL CHEVROLET CO

"Your Satisfaction Is Our Business"

39 Years a Franchised Chevrolet Dealer

PHONE 539-6541

220 N. Greene Street — 519 North Meridian Street

There Is MAGIC For You IN A NEW HAIR DO!!

WE DO EVERYTHING:

- Permanents
- Shampoo & Sets
- Hair Cuts
- Manicures
- Hair Color



All Work Done By Students Under Supervision of Expert Instructors

PERMANENT SPECIAL!
MONDAY — TUESDAY — WEDNESDAY
Permanents \$3.50
Includes Styling, Haircut, Shampoo, Set

Phone For Appointment 539-2461

— REGISTER NOW —
FOR CLASSES BEGINNING EACH MONDAY
FINANCING AVAILABLE FOR TUITION
Job Placement Assured On Graduation — Register Now!

NITA & DAVE'S BEAUTY COLLEGE

3215 Governors Drive

Phone 539-2461

ENGRAVED Gift Certificates FOR YOUR CONVENIENCE



always A WELCOME GIFT ... anytime!

38 Shopping Days Until Christmas

A. L. HIPPI Jeweler
OUR 61ST YEAR
Washington St. - Downtown Huntsville

We Close Wed. Afternoons



MISSILE MAN PROMOTED—Col. Melvin D. Clark, center, Chief of the Atlantic Missile Range Army Field Office at Patrick Air Force Base, Fla., was promoted to the rank of colonel last week. Ceremonies were conducted at Col. Clark's home organization, the Army Missile Command at Redstone Arsenal. Pinning on the new insignia are Brig. Gen. Charles W. Eifler, right, Deputy Commanding General for Land Combat Systems, and Maj. W. D. Lewis, left, personnel officer at the Missile Command. Col. Clark is responsible for directing and coordinating all Army activity at the Atlantic Missile Range, which includes the world-famous Cape Canaveral complex where several Army missile systems have completed research and development flights.

TWO AFGE MEN RE-ELECTED TO STATE OFFICE

Two members of Lodge 1858, American Federation of Government Employees, have been re-elected to key positions in the Federation's state organization.

Ernest Jackson will serve another term as president. Lester Mitchell was re-elected secretary of the state organization at a quarterly meeting Saturday at Ft. McClellan.

Dennis Garrison, president of the local lodge, announced at the meeting that he would seek election as national vice president for the fifth region in balloting next May. Garrison, who is also seeking re-election as Lodge 1858 president, said he was running on his record of experience gained while leading Lodge 1858 at Redstone Arsenal, the largest and most complex of the national federation.

Two other candidates for vice-president also spoke at the meeting. M. R. Carlisle of Columbus, Ga., the incumbent, and Howard Green of Anniston.

Leonard Brockman, labor relations assistant to the Commander, Army Missile Support Command was the principal speaker at the day long meeting. Brockman discussed the importance of training supervisory personnel in labor re-

lations. Next meeting of the state organization will be held in Tuscaloosa on February 2.

Opposing Civil War Generals Robert E. Lee and U. S. Grant were both graduates of the U. S. Military Academy.

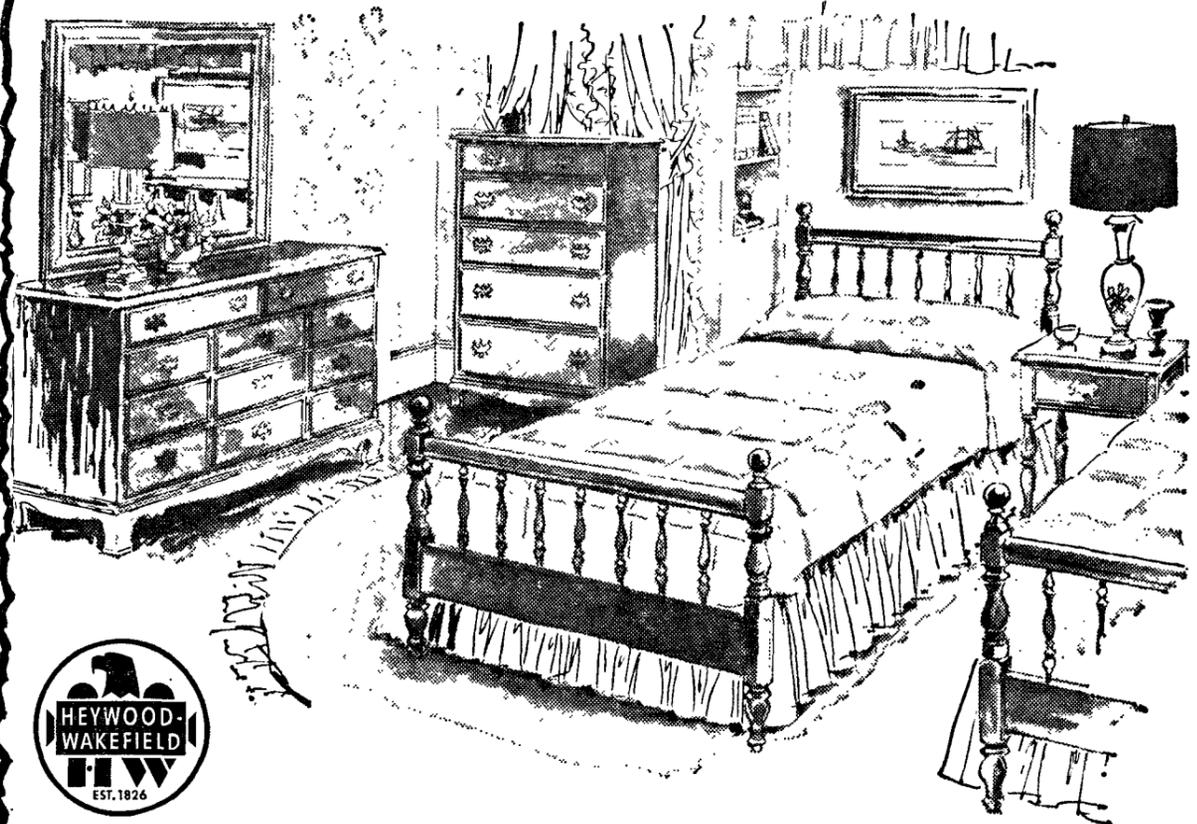
248th Wins Unit Trophy

The Red Cross Best Unit Participation Trophy was presented to the 248th Ordnance Detachment, UTC, OGMS for best unit participation in the blood donor program for the month of October. The unit, commanded by 1st Lt. James B. Welsh, provided 20 blood donors out of 41 officers and enlisted men present for duty.

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.

*Hale Bros. Furniture Co.
 can tell you what to look for
 in Early American:*

OLD COLONY



How so? Because who knows more about authentic design, fine quality construction and thrifty prices than 136-year-old Heywood-Wakefield. Sure, you know that name... famous for doing wonderfully handsome things with solid rock maple, Colonial-styled detailing, and pricing that's downright thrifty for the high quality of the likes of Old Colony. If you've a bedroom that needs a fresh look, come and see us this week and we'll show you why Heywood's Old Colony is a favorite at our store.

HALE BROS. FURNITURE CO.

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

• YOU CAN PAY YOUR TELEPHONE BILLS HERE.

SANTA'S FAVORITE
CROSS
 SINCE 1846
 WORLD LEADER
 IN FINE WRITING
 INSTRUMENTS

Consider the value of prestige this Christmas Give Cross... America's Finest Writing Instruments. From four to fifty dollars.

MONROE'S Business Equipment Company
 On Jefferson St., Huntsville
 • Ask For Free Parking Tickets

Safety Says Don't You Be The Fall Guy

Nobody wants to be the "fall guy."

He is the fellow who is blamed when things go haywire. He is the victim of a joke. He is the man who takes the rap. He can also be the man who falls off something and hurts himself.

Fall guys are sometimes the victim of careless acts by others. However, physical falls from ladders, tables, chairs, or a slip on a wet floor can usually be avoided.

Last year 19,800 persons died from falls in the United States. Thousands were injured.

Here at our own Redstone Arsenal ten persons sustained disabling injuries on the job during 1963 as the result of a fall.

The Safety Division of USA-MSA is concentrating on falls for the next two weeks. Safety personnel is waging this campaign to try to help all personnel remember to avoid falls, at work and at home.



DID PILOT GOOF?—It looks like the pilot mis-read the instructions when he strapped on the parachute and got the thing buckled around the plane's seat instead of his own. Wonder how he got down? Actually, this is a small Firebee target guided missile which the Missile Command developed for testing air defense systems such as the Hercules and Hawk. Shown here at White Sands Missile Range, the target has run out of gas and is being gently lowered to ground by parachute so it can fly another day.

The Armed Forces consume \$128,000,000 worth of beef annually purchased by the Defense Subsistence Supply Center, Chicago, Ill. If all the cattle required for this purpose stood head to tail, the line would reach from Philadelphia to Kansas City, Mo.

Three Attend Army Management Course

Three Missile Command civilian employees have completed the Defense Advanced Procurement course at the U. S. Army Logistics Management Center at Ft. Lee, Va.

Harry DePew, of the Procurement and Production Directorate, John Ross, Sergeant Project Office, and Carl Rand, of the Zeus Project Office, were graduated from the three-week course last Friday.

The Defense Advancement Pro-

urement course is one of fourteen courses offered by the Center in the areas of procurement, general supply, maintenance, property disposal, requirements and distribution management.

A field activity of the Army Materiel Command, the Center is the only Army activity devoted to postgraduate level logistics management education.

The acreage of Arlington National Cemetery, Va., was once property owned by George Washington Parke Curtis, adopted son of George Washington and father-in-law of General Robert E. Lee.

GOODBODY & CO.

INVESTMENT BANKERS
Established 1891

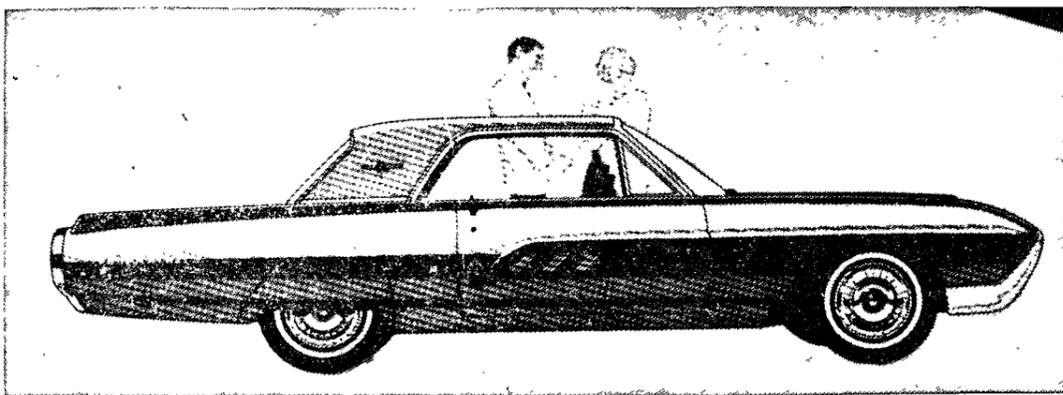
Member New York Stock Exchange
and All Leading Exchanges

Suite 5, 401 Lowell Dr., S.E.
HUNTSVILLE, ALABAMA
536-9602

DECATUR, ALABAMA
353-1070



WE FINANCE FORDS TOO!



With Distinctive Economy

Ford, Falcon, Thunderbird or Chevrolet, whatever your fine car choice may be, give consideration to the financing costs as well as the sale price.

Financing costs differ. At your Credit Union the low-cost rate of interest (8/10% per month on the unpaid balance) includes many significant advantages. Life insurance,* equal to the outstanding loan balance, is provided—without added cost. Total and permanent disability insurance benefits apply up to age sixty. And if you speed-up repayment on your loan, there is no penalty for you pay only for the time you have the money.

When you buy a car, call or visit your Credit Union for the finest in financing.

*Subject to terms of the group policy.



REDSTONE FEDERAL CREDIT UNION
A Cooperative Savings and Loan Corporation

REDSTONE ARSENAL, ALABAMA

LYRIC THEATRE

"Huntsville's Finest"

STARTS THURSDAY
NOVEMBER 7-13

WALT DISNEY presents
20,000 Leagues Under the Sea
TECHNICOLOR® CINEMASCOPE® UNDER THE SEA

Re-Released by BUENA VISTA Distribution Co., Inc. © Walt Disney Productions

AT AUCTION

THURSDAY, NOV. 7th, 10:00 A. M.

MELODY RESTAURANT – LINCOLN LOUNGE

And 6 Commercial Lots With Approximately 700 Ft. Total Frontage.

LOCATED WITHIN CITY LIMITS OF FAYETTEVILLE, TENNESSEE ON HUNTSVILLE HIGHWAY – U. S. 231 AND 431 SOUTH, 24 MILES NORTH OF CITY LIMITS OF HUNTSVILLE, ALABAMA.

MELODY RESTAURANT

Seating capacity of 75 — of beautiful stone and glass construction — panelled interior, tile floors, large kitchen, office, 2 ceramic rest-rooms. This structure is designed to fulfill the requirements of large capacity restaurants — Modern in every respect. Grade A rating. The spacious well constructed building is situated on a perfectly level, partially surfaced lot 180'x280' — with ample space for volume customer parking.

This is a "going business" presently enjoying an extra good volume with high profits. Building and lot, which can be utilized for numerous business endeavors, will be offered:

1. Complete with furnishings and equipment. Equipment will be offered as a package separate from building, reserving the right to sell by separate pieces as owner may desire.
2. Separately — exclusive of equipment.

LINCOLN LOUNGE

Exclusive Supper Club — seating capacity 218. Large stone exterior, panelled interior — building with approximately 7,000 Sq. Ft. of area is situated on level lot 200x280. This building is perfect with spacious dining area, lunch counter, modern kitchen and restrooms. Completely perfect for an operation of this type with adequate space for the large volume business presently enjoyed. This is a going money making business. 6 room apartment with 2 baths — ultra modern, fully carpeted

apartment with garage attached to above building — presently occupied by owner.

Due to large building, spacious lot, etc., there are numerous business possibilities of this property therefore, it will be sold:

1. As a going business — complete with all equipment.
2. Real Estate only — separate of any equipment — Equipment will be offered as a package, reserving the right to sell by separate pieces as the owner may desire.

6 Commercial lots with good highway frontage suitable for motel, supermarket, shopping center, service station, automobile agency, insurance office and many other possibilities.

Above described buildings and lots are perfect for present operation or automobile agency, farm equipment agency, supermarket, service station, shopping center and the present buildings could easily be utilized with minor conversion — Lincoln Lounge could easily convert to offices or stores, etc.

Complete dispersal of equipment in Melody Restaurant and Lincoln Lounge.

This is the first and only commercial property offered for sale from the railroad south to the Fork. Due to the versatile design of the buildings, strategic location, lot size and available adjacent lots, this property is being offered so that you may buy the portion you wish for the business you wish.

Make your own financial arrangements and be present to buy — Any available terms will be announced on date of sale.

Sale to be held — RAIN OR SHINE.

For further information contact Sales Agents—

108 South Side
Public Square



Phone 433-3505
Fayetteville, Tenn.

REALTY & AUCTION CO.

Members Tennessee & National Auctioneers Association

READ THE WANT ADS! USE THE WANT ADS!

WANT AD RATES—\$2.50 minimum, per weekly insertion, covering first 25 words. 8 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. Feath, P. O. Box 346, Room 217 Times Bldg., Huntsville. Deadline is Friday noon, before Wednesday publication.

Page 14 The Redstone Rocket — Nov. 6, 1963

1. For Rent

HOUSE FOR RENT — 2 bedrooms, modern, furnished, fishing pier, boat dock, on Lake Guntersville. Phone 582-3178 11-27c

FOR RENT — 3 room furnished apartment, private front and back entrance, air conditioned, natural gas heat, bath tub and shower, off-street parking, married couple only, \$75.00 per mo., 419 East Clinton St., phone 534-4551 or 534-5127. tfc

FURNISHED—1 or 2 bedroom apartments on dead-end street away from noise, yet very convenient to Gates 1, 8 and 9. Call 536-0775. tfc

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

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

FOR SALE —21" table television, as is, \$30.00. Also 1961 Allstate Compact Scooter, \$90. Phone 852-2161. tfc

WANTED—College graduate, preferably qualified teacher to fill a teaching position in the Junior high school level. If interested call 876-3253, Capt. Kinsey tfc

ABS 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). tfc

WILL KEEP CHILDREN in my home for working mothers, Monday through Friday, \$15 or for part time "play school" 50c per hour. Call 852-2152. tfc

MY PERSONAL COLLECTION of Shotguns for sale. Pumps, automatics, and double barrels, all gauges, all prices. Telephone Huntsville 539-6538 11-13p

AIRPLANE — Cessna 140, all metal, full panel, directional gyro, art horizon, super-homer, Bendix VHF, dir loop, wheel pants, jump seat, retractable lights, new license. Immaculate. 534-2577. ttp

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

NEW UHF CONVERTERS \$11.97

North Alabama's largest sales and service dealer for Zenith, RCA and Motorola TV and Stereo. Our prices are equal to or lower than advertised so called "discount or wholesale" prices. Price, then compare. Our merchandise is visually priced tagged at all times. We accept trade-ins. Used TVs sold for \$20 and up. We service all makes and models. Picture tubes, 21 in 90 degrees, \$21.00 exchange with 1 year guarantee. TV rentals by day, week or month. CENTRAL TV & STEREO CO. Cor. Governors Drive & Parkway. Phone 536-9761

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. tfc

Glen Park APARTMENTS

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

852-0131

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

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.

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

WE HAVE 2 — 35'x8' 1 bedroom mobile homes. These are both real nice and clean. Only \$1995.00, terms to suit your budget. Texas Auto and Mobile Home Sales, 1003 Meridian St., Phone 536-6121. tfc

5. Houses, Lots - Sale

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. tfc

22 ACRES, choice retirement property, tract located in a thickly settled community, 20 miles south of Huntsville on black-top highway. Area is a highly developed agricultural section. Has 6 room dwelling, 3 bedrooms, bath, fine well, good barn, won't last long. \$8,000.00. E. G. WILLIAMSON, R. E. Broker, phone 734-6294, Cullman, Alabama. tfc

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



WHAT ARE YOU WORTH TO YOUR FAMILY?
Your earning power should be insured just as your other valuables are insured.
It's a good policy to see
JESSE ANDERSON, CLU
Provident Life and Accident Insurance Co.
PHONE 534-7651

FARM FOR SALE — 160 acres with old house more than 1/2 mile overlooking beautiful mirror lake will sell for small down payment, balance at \$50.00 per month plus interest only \$50.00 per acre. Cornelius Real Estate Co., Guntersville, Alabama. Phone 582-3027 or 582-5313. tfc

FOR SALE—three (3) bedroom brick veneer home 1 1/2 ceramic baths, large den, approximately 1600 sq ft nice level lot, can make 100% GI loan or \$500.00 down FHA.

Nice three (3) bedroom house Carlisle Park, Guntersville, Alabama, with separate dining room, fire place, large beautiful lot. Pay small equity and move in. Available now.

Nice three (3) bedroom home with GI loan and good location in Arab, Alabama. Pay small equity and assume payments will be available about November 1, 1963. Beautiful split-level now under construction in good location in Arab, Alabama, two (2) full ceramic baths approximately 1800 sq ft., plus carport and storage.

CORNELIUS REAL ESTATE CO.
Guntersville, Ala
Phone 582-3027 or 582-5313 tfc

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

Open Monday, Thursday and Friday nights from 5:00 to 9:00 p.m.

RADIATOR SALES & SERVICE

We pick up and deliver. All repairs by Frank Taylor, who has 33 yrs. experience in radiator work. All work guaranteed.

Phone 536-7562

Space City Motors, Inc.

2204 Holmes Ave., N.W.
HUNTSVILLE, ALABAMA

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, steady income and good credit you can buy a home in Love Sub-division V.A. or F.H.A. or we will build on your lot 100% financing. We have a few homes with payments from \$61.00 to \$65.00 per month.

C. F. STINNETT REAL ESTATE BROKER

918 Meridian St., North

Phone 536-8537

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

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

MUTUAL

FINANCE

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

MUTUAL

INDUSTRIAL FINANCE

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

'64 Studebaker

NOW ON DISPLAY

\$203 DOWN

\$61.87

Per Month!

PRICE \$2103.32

Most All Body Styles And Colors To Choose From. Come On Down And Make Your Selection Today!

Rucker & Warren

Studebaker Sales & Service

1017 Meridian Street

Phone 534-3262

First Toftoy Award Goes To William A. Davis Jr.

An Army Missile Command engineer who has been instrumental in the exploratory research in the field of LASER technology, has been named the first recipient of the General Toftoy Award by the Alabama Section of the American Institute of Aeronautics and Astronautics.

William A. Davis, Jr. will be presented the award at a special awards banquet of the Alabama Section at the Squirrel Hill Officers Club Friday evening. Maj. Gen. H. N. Toftoy (ret.), a former Commanding General of Redstone Arsenal, for whom the award is named, will make the presentation.

Davis, Chief of the Special Programs Section, Future Missile Systems Division of the Directorate

of Research and Development, was selected for the award by a panel of scientists headed by Rodney D. Stewart, of the Marshall Space Flight Center.

The Toftoy Award was established this year to supplement the Hermann Oberth and Martin Shilling Awards, presented by the AIAA in recognition of individual accomplishments.

Conceived to honor the contributions of Gen. Toftoy in the early days of rocket and guided missile development by the Army, the award will be made in recognition of outstanding contributions in the technical management of important programs in the field of aeronautics and astronautics.

Davis was cited specifically for his work in the field of LASER



WILLIAM A. DAVIS, JR.

Reserve Officers Will Hear Retired Admiral Jackson

Admiral Alexander Jackson, USN, (ret.), will be the guest speaker for the November meeting of the Huntsville Chapter of the Reserve Officers Association at the Officer's Club, Friday, Nov. 15.

Adm. Jackson is the assistant national director of the ROA and director of the ROA for naval affairs. He is expected to discuss activities on capitol hill that affect the Reserves and national defense programs.

Guests from the ROA chapters at Birmingham, Decatur and Muscle Shoals have been invited to attend the meeting. The event will open with a social hour at 6:30 p.m., with dinner an hour later.

Tickets may be obtained by calling Lt. John Harris, USNR, at 876-1354, Lt. Col. John Edgar, USAR, at 876-7104, or Lt. Col. Pete Redding, USAR, at extension 876-1410.

and Virginia Lane. They reside at 7904 Corvette Drive in Huntsville.

technology. His success in initiating and developing a program to explore and exploit the technique has resulted in rapid strides by the Army in the program.

A native of Nashville, Tenn., Davis is a 1950 graduate of Vanderbilt University where he was granted his Bachelor of Science degree in mechanical engineering.

After graduating, he accepted a position with the Charleston Naval Shipyard as a General Engineer. He remained at the South Carolina installation for four years, transferring to Redstone Arsenal in 1954 as a supervisory Ordnance Engineer.

In 1956 he was selected for a position as an aircraft development control engineer in the Hawk Project Office for the Army Rocket and Guided Missile Agency. When the Army Missile Command was created in 1960, Davis was named a supervisory general engineer in the Future Missile System Division, the position he still holds.

He is responsible for the Army Missile Penetration Aids Program and the Missile Command LASER Program.

Since 1961, Davis has been en-

gaged in research activities pertaining to the LASER program. He has been cited by both the Department of Defense and the Department of the Army for his work in this area.

Davis is married to the former Miss Bernice Noffsinger, of Nashville, and the couple are the parents of two daughters, Janet Sue

OAKMONT

BEAUTIFUL HOMES

Price \$16,700 and up on 100% VA loan or minimum down FHA.

OPEN EACH DAY

Hunter & Mitchell

REALTORS Phone 539-1759

G. I. SPECIAL

Full Brick, 4 Bedrooms, 2 Ceramic Tile Baths, Separate Dining Room, Large Paneled Den, Built-in G.E. Kitchen Featuring Oven, Surface Unit, Dishwasher, and Garbage Disposal, Centrally Air Conditioned. Located in Southeast Huntsville on Louis Drive. Ready for Immediate Occupancy.

\$22,300

NO MONEY DOWN . . .

NO CLOSING COST V.A.

ENSOR REAL ESTATE

Phone 881-0152

HAVE YOU OUT GROWN YOUR HOME?

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

LAKWOOD

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: 852-1901

LAKWOOD

REALTY, INC.

3611 Memorial Parkway, North

Merritt and Raines REAL ESTATE

Builders and Developers of Huntsville

4601 TRIANA BLVD.

Phone 881-4290

SEE THE '64 RAMBLER BEAUTY TODAY!

SELECT RAMBLER TRADE-INS

At Low-Low Prices and Top Trade-Allowance

NO MONEY DOWN - EASY, EASY TERMS

1959 FORD 4 door, automatic, radio, heater. \$775	1961 DODGE 4 door, radio, heater, automatic. \$1375	1962 AMERICAN 2 door, radio, heater \$1275
1958 FORD Station wagon, 8 cylinder automatic \$785	1961 OPEL Station wagon. \$875	1959 RAMBLER Station wagon, radio, heater. \$975
1962 RAMBLER 4 door Classic \$1575	(3) 1957 CHEVROLETS Radio, heater, automatic. CHOICE \$575	1962 DODGE Lancer 2 door hardtop. \$1675
1958 RAMBLER Station wagon, radio, heater, automatic \$875	1958 FORD Station wagon, 6 cylinder, radio, heater \$775	1958 CHEVROLET Station wagon, radio, heater, automatic \$775
(3) 1958 OLDSMOBILES 4 doors, local cars, radio, heater, auto. CHOICE \$675	1961 AMERICAN Radio, heater, white walls. \$1175	1959 VOLKSWAGEN Bus \$875

Rambler Beauty 1964

At The Best Prices

Yet!



Smooth to Operate!
Easy to Own!

See 'Em Today!

BILL PENNEY

 Trade With Penney And Save Dollars
 529 MERIDIAN ST. N. PHONE 534-4514

DON'T MISS THE NEW '64 RAMBLER!

TEST-DRIVE THE 1964 RAMBLER TOMORROW, SURE!

YOU'LL LIKE THE Select TRADE-INS ON OUR LOT!

Components Production Is Funded

The Army has awarded two contracts funding production of components used with the highly reliable Pershing ballistic missile system.

One of the contracts, for \$3,591,739, went to General Precision, Inc., Kearfott Division, funding production of hydraulic actuator systems for use in the Pershing system. Work will be performed at Little Falls, N. J.

The actuator system physically changes air vanes when command is received from the missile system's computer.

In another contract, Roanwell Corp., located in New York City, won a \$82,876 award to produce more than 1,000 head set microphones for use in the Pershing system.

Both of the contracts were administered by the New York Procurement District under the technical management of the Army Missile Command. Program management for the Pershing is under the direction of Col. Edwin I. Donley, Pershing Project Manager for the Missile Command.

Funds Committed For Nike Hercules

Production and engineering services for the Nike Hercules air defense guided missile will be funded under a \$9,950,000 award to the Western Electric Co., the Department of the Army has announced.

The work will be done at company plants in Burlington and Charlotte, N. C., and Syracuse, N. Y.

The Nike Hercules program is managed from headquarters at the Army Missile Command. Col. B. E. Luczak is the Project Manager.

An operational missile system, the Nike Hercules is on guard around key cities and defense installations in the United States.

The New York Procurement District will administer the contract for the Army.

FILTER EXHIBIT PLANNED AT LAB THURS. MORNING

A demonstration of an electrostatic filter for use in hydraulic fluid systems will be held tomorrow at Building 6571.

The two-hour demonstration will begin at 9:30 a.m., and is sponsored by Weston Hydraulics Ltd. Charles E. Lyons of the Ground Support Equipment (GSE) Laboratory said the major advantage of the electrostatic process is the efficiency of filtering extremely small particles, down to 1/4 micron in size.

This process is being evaluated by personnel of the GSE Laboratory in the Army Missile Command's Directorate of Research and Development for possible use in missile ground support equipment.

AFGE Local Will Ballot Next Monday

Dennis Garrison, President of Lodge 1858, American Federation of Government employees, today reminded AFGE members that Monday is election day.

The local lodge will ballot on its officers at Carpenter's Union Hall, Clinton Street, Huntsville. The polls will open at 1 p.m. and close at 8 p.m.

Ballots will be tabulated immediately after the polls close. If a runoff is required it will be held December 9.

Ten offices are at stake and 22 persons have been nominated for them.



FGAA OFFICERS AND DIRECTORS—Pictured above, taken at a recent meeting held at the Huntsville Country Club, are the Officers and Directors of the Federal Government Accountants Association, Huntsville Chapter. From left to right are: Stan Fee, MSFC, Chairman, Publicity Committee; Dean Elder, MSFC Chairman, Editorial and Research Committee; Walter Shurden, MSFC, Chairman, By-Laws Committee; Lloyd Jackson, MSFC, Chapter President; Dick Scales, AMICOM, Chairman, Attendance Committee; George Chumney, MSFC, Second Vice-President; and Eckford Jones, AMSC, Treasurer. Officers and Directors not included in the picture are: Seymour Farber, AMICOM, First Vice-President; Clyde Franklin, AMICOM, Secretary; Jim O'Hara, AMICOM, Chairman, Membership Committee; and James Ratliff, AMSC, Chairman, Education Committee.

a world of fashion discoveries

Explore our exciting fashions . . . discover worlds of fashion ideas for the entire family. We've an out-of-this-world selection for tots, teens, parents and grandparents. Everything from shoes to hats—choose casual or elegant!

WASHINGTON at CLINTON **PARKWAY at GOVERNORS**

Dunnivant's

"Huntsville's Own Quality Stores"

STORE HOURS:
 MALL—10 a.m. to 9 p.m.
 MONDAY through SAT.

DOWNTOWN—9 a.m. to 5:30 p.m.
 MON. - TUE. - WED.
 9 a.m. to 8:00 p.m.
 THURS.-FRI.
 9 a.m. to 6:00 p.m.
 SATURDAY

See our complete selection of fresh, delicious

Russell Stover CANDIES

HUMPHREY'S Twickenham Pharmacy REXALL Downtown

— Free Delivery —
 Dial 536-1581 — Huntsville