



GEN. FRANK S. BESSON

RED(stone's) Carpet Out For AMC's Top Commanders

Major commanders from throughout the Army Materiel Command will receive the red carpet treatment when they arrive at Redstone Arsenal for a Commanders Conference Nov. 15-16.

Lt. Gen. Frank S. Besson, Jr., Commanding General of AMC, will head the meeting. Maj. Gen. Francis J. McMorrow, Commanding General, Army Missile Command, will be host for the conference.

The meeting will bring together commanding generals of the seven subordinate commands of the Army Materiel Command for their periodic report to Gen. Besson on activities carried out by the subordinate units of AMC. A total of

about 50 persons are expected to attend the conference.

Gen. Besson is scheduled to arrive at Redstone Arsenal at 3 p.m. Thursday. Other major commanders will arrive at different times throughout the day.

Other commanding generals expected to be here for the conference include Maj. Gen. Floyd A. Hansen, Army Munitions Command; Maj. Gen. Nelson M. Lynde, Army Weapons Command;

Maj. Gen. Alden K. Sibley, Army Mobility Command; Maj. Gen. Stuart S. Hoff, Army Electronics Command; and Brig. Gen. William F. Ryan, Army Test and Evaluation Command.

Lt. Gen. August Schomburg,

Army Supply and Maintenance Command, has notified officials that he will be unable to attend the conference, however Gen. Schomburg's Deputy, Brig. Gen. R. C. Kyser is expected.

Gen. McMorrow and other Army Missile Command officials will be



GENERAL McMORROW

on hand to welcome Gen. Besson when he arrives here.

Newsmen throughout Alabama and Southern Tennessee have been invited to meet Gen. Besson at 4 p.m. Thursday at Army Missile Command Headquarters for a press conference.

Gen. Besson and the other major commanders within the AMC organization will attend a dinner party Thursday night at the Redstone Arsenal Officers Open Mess. The dinner will be jointly sponsored by the Army Advisory Committee and local chapters of the American Association of the United States Army.

The conference will officially open at 8:30 a.m. Friday in Gen. McMorrow's headquarters at the Army Missile Command.

Commanders of AMC units who will attend the conference will include Maj. Gen. Hansen, Commanding General of the U. S. Army Munitions Command, Dover, N. J. The Munitions Command is responsible for ammunition, and chemical, radiological and biological systems. It supervises Frankford, Picatinny, Pine Bluff and Rocky Mountain Arsenals, the Army Chemical Center, three other Chemical Corps activities and additional active and inactive plants and works.

The U. S. Army Weapons Command, commanded by Maj. Gen. Lynde, has headquarters at Rock Island Arsenal, Ill. This Command is responsible for major Army weapons and weapons systems. (See COMMANDERS on Page 3)

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. XI; NO. 27

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

NOVEMBER 14, 1962

Zeus Scores A Double Success

The U. S. Army's Nike Zeus anti-missile missile has scored a double success in firing tests spaced nine hours apart in time and 800 miles in distance.

One of the 48-foot-long missiles burned a hole in the night sky above Pt. Mugu, Calif., Wednesday night of last week on the way to a successful interception of an electronically simulated intercontinental ballistic missile.

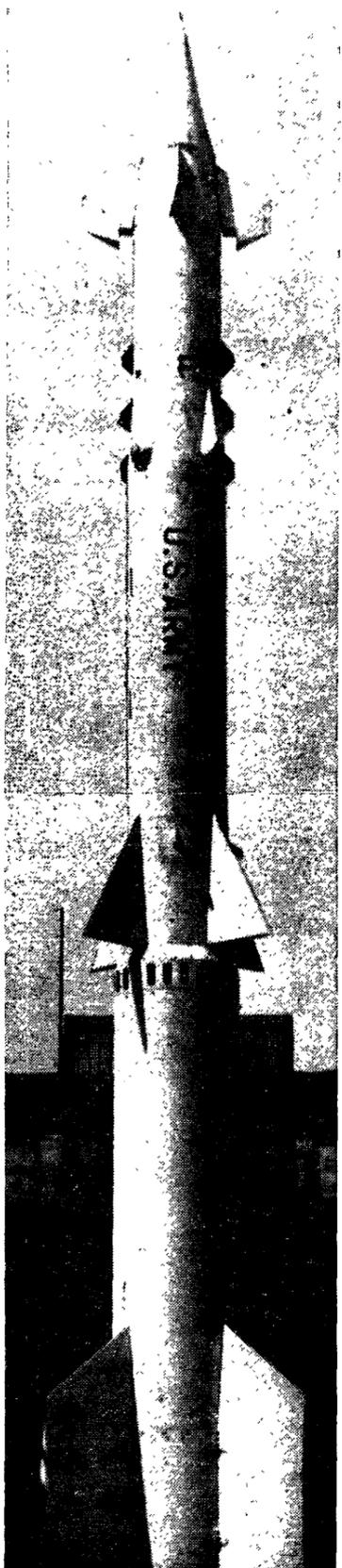
Nine hours earlier a Nike Zeus had blasted aloft at White Sands Missile Range, N. M., in what the Army described as a test "of the most recent configuration" of the killer missile. A picture of the missile released after the firing revealed shorter, more blunt control surfaces replacing the characteristic triangular fins near the nose evident on missiles fired previously.

Col. I. O. Drewry, Nike Zeus project manager, said here that both missiles met their test objectives.

No actual ICBM was involved in the test of the missile defense system off the California coast last week. The target—simulating an ICBM plunging earthward at more than 15,000 miles an hour—was furnished by programming Characteristics of an ICBM flight, recorded on magnetic tape, into the Zeus system's target intercept computer.

The computer is designed to receive and analyze inputs from tracking radars and direct the Zeus missile's flight to the intercept.

Details on the height and distance from the launch point on the Pacific shore some 50 miles north of Los Angeles to the spot in the (See ZEUS on Page 2)



COL. RICHARD IRVIN

COL. IRVIN JOINS GENERAL STAFF IN INTELLIGENCE

Col. Richard Irvin is the newest addition to Maj. Gen. F. J. McMorrow's Army Missile Command staff, having been assigned to the position of Deputy for Missile Intelligence.

In announcing the position change, Carl E. Duckett, director of Missile Intelligence, stated that Col. Irvin would succeed Lt. Col. (See IRVIN on Page 3)

Pershing Managers Meet Here

Top military and contractor officials engaged in the management of the Pershing Weapon System, gathered at Army Missile Command Headquarters Tuesday for the program's quarterly managers meeting.

The day-long session featured a report on the progress of the solid propellant ballistic missile system and the tactical equipment which was delivered to the Army for equipping its first Pershing missile Battalion at Fort Sill, Okla.

Although the fifteenth such gathering, it was the first meeting of this type to be conducted at Redstone Arsenal.

Col. O. M. Hirsch, Pershing Project Manager, Army Missile Command, was official host. He welcomed the representatives when the meeting opened at 9 a.m. Tuesday.

Military and contractor repre- (See PERSHING on Page 3)



ARMY AWARDS PRESENTED—Five Federal employees were presented one of the U.S. Army's highest civilian awards in ceremonies at Army Missile Command Headquarters Thursday. Making the presentation was Col. F. L. Furphy, Chief of Staff, Missile Command, shown here at right. Others, from left to right, are Victor Sorensen, Chief, Management Services Office, Marshall Space Flight Center, who attended the ceremony; and award winners Hosea B. Abernathy, Jr., James H. Draughon, Harold Katz, James I. Spough, and J. W. Herring. The men were recognized for contributions to the Army missile program made while they held key positions in the Army Ballistic Missile Agency at Redstone Arsenal. (See story on page 2).

Bloodmobile Visits Today

The Red Cross Bloodmobile is at Redstone Arsenal today in the Industrial Health building.

Individuals who have had yellow fever or smallpox vaccinations during the past two weeks are not eligible as donors.

Individuals receiving flu, typhoid, tetanus, or polio shots may be donors after 24 hours have elapsed.

MOST RECENT CONFIGURATION of the Army's Nike Zeus anti-missile missile reveals shorter, more blunt control surfaces replacing triangular fins near the nose of the missile.

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

A stale article, if you dip it in a good, warm, sunny smile, will go off better than a fresh one that you've scowled upon.

The Quick And The Dead:

There is an important difference between the two, and very often what makes the difference is a seat belt. The findings of Cornell University's Automotive Crash Injury Research confirm this. Two groups of accidents were compared. The accidents were selected to make them as identical as possible in all respects, except that the passengers in one group wore safety belts.

In the group without belts, the frequency of serious injury was high. The frequency of serious injury among those with seat belts was low. The study shows that people with seat belts are 35 to 60 per cent safer than are people without seat belts.

What does this mean in terms of human life? Cornell University scientists estimate that seat belts, if widely used by the motoring public, could save 5,000 lives each year merely by holding people inside the car in case of an accident.

Meritorious Civilian Service Awards Presented Two Missile Command Men

Two Federal employes at the Army Missile Command received one of the Army's highest awards for civilians last week from Col. F. L. Furphy, Chief of Staff, Army Missile Command.

Meritorious Civilian Service Awards were presented to James H. Draughon, Chief, Procurement and Production, Sergeant Project Office, and James I. Spaugh, who is in the office of the Comptroller and Director of Programs. Both men reside in Huntsville.

The men were recognized for achievements and contributions to the Army missile program made while they held key positions in the Army Ballistic Missile Agency here.

In conferring the awards, the General commended the men for their untiring efforts, professional skill and unique ability in their respective fields.

"Awards of this nature are presented only to persons of the highest caliber," Col. Furphy said. "It is an outstanding achievement."

The award recognizes unusual initiative and skill in developing

Army programs and in conceiving inventions resulting in substantial savings or improvements.

Draughon was cited for his work as chief, Review Branch, Army Ballistic Missile Agency. The award recognized "his professional competence and knowledge of the latest management techniques resulting in the establishment of methods and procedures which have enabled him to make outstanding contributions in the areas of planning, reporting and programming."

Spaugh's citation was for meritorious performance of duty as Chief, Financial Management Office, Army Ballistic Missile Agency.

"As the Commander's principal advisor and staff assistant in planning and directing activities of financial management, he has rendered exceptional service and demonstrated keen judgement and unusual insight," the citation said.

Zeus

(Continued From Page 1) night sky high above the Pacific where the Zeus missile intercepted its phantom prey were not released by the Army.

The Nike Zeus system—only active defense against ballistic missile attack in advanced development in the Free World—is under the direction of the Army Materiel Command. Col. Drewry and his project staff have their headquarters at Redstone Arsenal.

Western Electric Company is prime contractor for the missile system. Bell Telephone Laboratories has design and development responsibility. Douglas Aircraft Company builds the missile.

Solid fuel rocket motors which power the Nike Zeus are made by Thiokol Chemical Corporation's Alpha Division at Redstone Arsenal under subcontract to Douglas.



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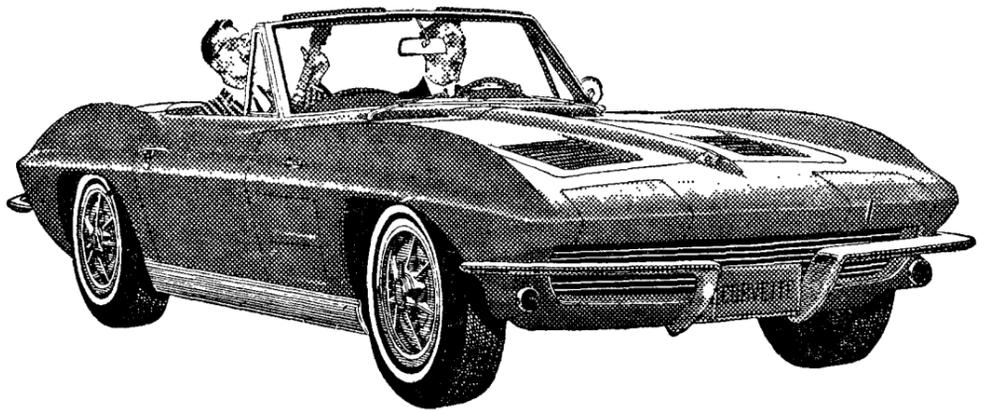


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Commanders

(Continued From Page 1)
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MAJ. GEN. N. M. LYNDE JR.

field Armory.

The Army Mobility Command, under the direction of Gen. Sibley, has headquarters at Detroit, Mich. This Command is responsible for planes, tanks, automotive



MAJ. GEN. A. K. SIBLEY

equipment and other transportation-type materiel. It supervises the Detroit Arsenal, the Ordnance Tank-Automotive Command, the Transportation Materiel Command, the Quartermaster Equipment and Parts Center, the Army Subsistence Center, two Army Support

Centers and other installations and activities.

The U. S. Army Electronics Command is commanded by Maj. Gen. Stuart S. Hoff, with headquarters at Fort Monmouth, N. J. This Command is responsible for communications systems, electronic warfare systems, combat surveillance systems, automatic data pro-



MAJ. GEN. STUART S. HOFF

cessing equipment and radar. It supervises Fort Monmouth, the Army Signal Supply Agency, the Air Defense Engineering Agency, the Materiel Support Agency, and other related research and development laboratories and activities.

The U. S. Army Supply and Maintenance Command is commanded by Lt. Gen. Schomburg, with headquarters in Washington, D. C. It is responsible for delivery and supply of all Army materiel to installations in the continental United States and to overseas Commands, including storage, issue, transportation, maintenance and inventory control. It supervises depots, separate maintenance activities, separate storage activities, transportation terminal commands, and other miscellaneous activities.

The U. S. Army Test and Evaluation Command, commanded by Brig. Gen. Ryan, has headquarters at Aberdeen Proving Ground, Md. It is responsible for engineering, service, production and surveillance tests and evaluation of all materiel and for the supervision of troop tests of such materiel as conducted by the U. S. Con-

\$53 Million Contract Let On Pershing

The Army awarded a \$53,921,660 contract Nov. 9 for production of Pershing missiles and ground support equipment. The Martin Co., Orlando, Fla. received the award.

The work will be performed in Martin's Orlando plant.

Pershing is a two-stage, solid fueled ballistic missile system, designed to replace the operational Redstone.

The Army Missile Command, an element of the Army Material Command, is responsible for technical supervision of the Pershing program.

The Birmingham Procurement District will administer the contract for the Army.

tinental Army Command. It supervises activities at Dugway, Aberdeen, Jefferson and Army Electronic Proving Grounds; the Artillery, Armor, Infantry, Air De-



BRIG. GEN. WILLIAM F. RYAN

fense, Airborne Electronic, and Aviation Boards; and test facilities in Arizona, New Mexico, Alaska, Canada, and Panama.

Irvin

(Continued From Page 1)

Ralph N. Ross who has held the position for two years.

Col. Ross has been reassigned to Washington where he will undergo extensive schooling preparatory to an assignment in Viet Nam.

The newly assigned deputy comes to Redstone from Headquarters, U. S. Army, Europe, where he was executive officer under the deputy chief of staff for operations.

A veteran of over 20 years Army commissioned service, Col. Irvin brings vast experience in the field of atomic weapons and guided missiles to the Missile Command. He was commissioned in the Coast Artillery following graduation from the University of Pittsburgh in 1939.

He was called to active duty in 1941 and spent over three years in the Pacific theater during the war years, as a battery commander and battalion executive. At the close of the war Col. Irvin was operations officer in the G-3 Section of the 24th Corps, the first organization to go into Korea for occupation duty. During this assignment Col. Irvin was associated with Col. Ross, the officer whom he is replacing on Gen. McMorrow's staff.

He received his first taste of rocketry following his return to this country from the Pacific. During the past twelve years Col. Irvin has been plans officer at the anti-aircraft and guided missile center at Ft. Bliss, Texas; chief of the Guided Missile Section, Research and Development Division, Army Field Forces (now CONARC) at Ft. Monroe, Va.; chief, Artillery Test Section, Arctic Test Branch; commanded the 36th Missile Battalion; Staff Officer, Operations Division, Department of the Army.

A native of Pittsburgh, Col. Irvin is married to the former Ruth Taylor. Col. and Mrs. Irvin are the parents of one daughter, Lynn. They are making their home on Redstone Arsenal.

Pershing

(Continued From Page 1)

sentatives from throughout the nation began arriving in Huntsville Monday afternoon. Events opened with an informal dinner at the Holiday Inn.

When the meeting opened Tuesday at Army Missile Command Headquarters, G. T. Willey, Vice President and General Manager of Martin-Marietta Company of Orlando, Fla., spoke briefly to the group. Martin-Marietta is prime contractor for the system.

H. R. Staudt, Martin-Marietta's Pershing Project Manager at Orlando, reviewed the progress of the missile program. Other items on the agenda included presentations by major supporting contractors on their roles in the Pershing system.

Representatives attended from the Army Mobility Command, Detroit, Mich.; Army Munitions Command, Picatinny Arsenal, Dover, N. J.; Cincinnati Procurement District; New York Procurement District and Birmingham Procurement District and the St. Louis Procurement District.

Other representatives were from the Thiokol Chemical Corp., Longhorn Ordnance Works, Marshall, Texas; and Thiokol Chemical Corp., of Huntsville.

Major supporting contractor representatives were from the Kearfott Division of General Precision, Inc., Little Falls, N. J.; Bendix-Eclipse-Pioneer Division, Teterboro, N. J.; Ford Instrument Co., Long Island, N. Y.; Unidynamics Division of the Universal Match Corp., St. Louis, Mo.; Food Machinery & Chemical Corp., San Jose, Calif.; Hayes Corp., Birmingham, Ala.; Collins Radio Corp., Dallas, Texas; and Sperry-Farragut Co., Bristol, Tenn.

The Secretary of Defense authorized development of the Pershing weapons system in 1958. Pershing is a two-stage, solid fuel ballistic missile with a range of several hundred miles. The highly mobile Army support weapon moves overland on tracked vehicles or may be air transported by fixed wing aircraft or helicopters.

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55th Army Band Doubles As CBR Defense Unit

The only wind vector a marching band usually worries about is the sudden gust that blows the bass drummer off-course.

With the 55th Army Band, the worry is of greater importance to

the safety of the Military and civilian citizens at Redstone Arsenal.

So far as can be determined here, this is the only United States Army band whose secondary duty

is chemical-biological-radiological defense.

The band is assigned to the Army Missile Support Command commanded by Col. T. W. Cooke. CWO DeWitt Mytinger is the band-

master.

When the Army decided to train a Troop unit at Redstone Arsenal as specialists in CBR defense, the band was the only unit not assigned on a fulltime basis, beyond band practice and the musical assignments which don't come every day.

Other bands have manual labor assignments as secondary duties, sometimes resulting in musical casualties from injured hands.

As a part of the CBR training, the Redstone band members have become specialists in map reading, wind computation, and navigation

—including exploring the highways and by-ways in the surrounding Alabama-Tennessee areas.

A radio-equipped bus is used as a control point. During an exercise, five radio-equipped vehicles are directed to survey the amount of fallout or contamination and relay the information to the control center where it is posted on the master map.

Fully schooled in navigating the terrain in order to avoid deadend roads and other personnel traps, the patrols keep the control point informed of amount of contamination. (See BAND on Page 5)



FROM MUSIC TO MATH—Members of the 55th Army Band at Redstone Arsenal are trained as a chemical-biological-radiological warfare team as a secondary duty. Training includes plotting advance of pollution from statistics about wind and weather supplied by radio from weathermen and artillerymen. M/Sgt. Eugene Louis (left), drummer with a combo of his own from the 55th, and CWO DeWitt Mytinger, band master, figure time of fallout expected during training exercise.



FALLOUT MEASURED—S/Sgt Edward Sanner uses a Geiger-Mueller counter during field exercise for the 55th Band's chemical-biological-radiological activity, to measure radioactive fallout. His driver is SP4 Walter Seymour. The third man, SP4 David Hewatt, relays the information to the control center bus.



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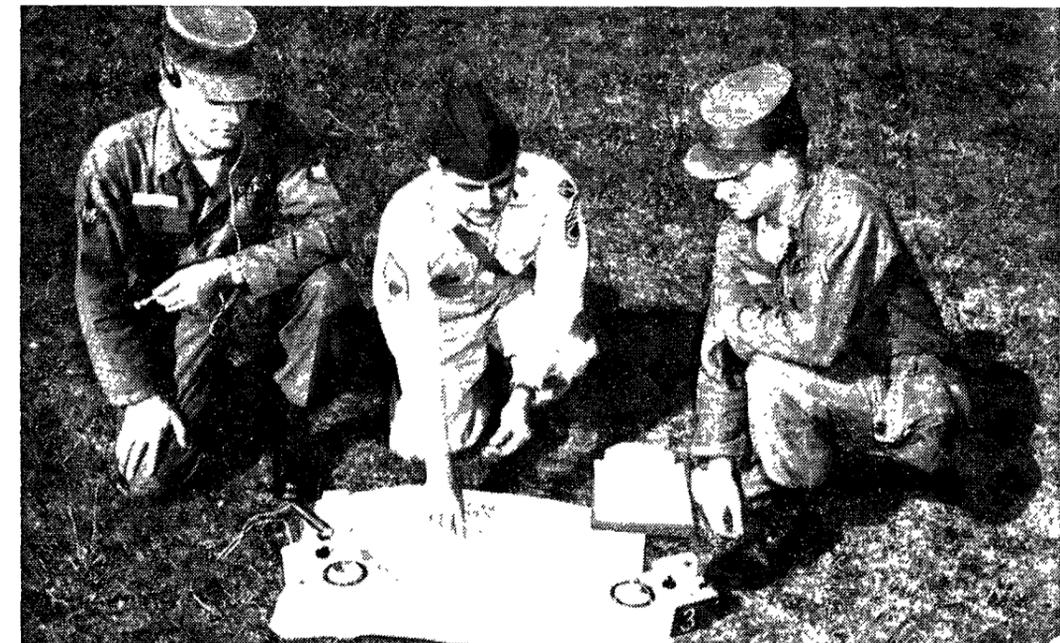
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DECONTAMINATION TEAM—Swabs and test tubes replace horns and reeds when the 55th Army Band members double as a chemical-biological-radiological warfare team. The 55th is the only Army Band doubling as a CBR team. In protective clothing during drill, PFC Aubrey Broom (left) and PFC James Hutton take samples of air and germs from surfaces to be evaluated in a laboratory.



KEEP UP TO DATE—During a field exercise by the 55th Army Band in the secondary role of chemical-biological-radiological warfare defense, PFC Robert Woletz marks the map at the control center, a bus, with the assistance of S/Sgt Horace Kent. The advance of contamination is estimated from weather and artillery reports, and from information from the patrols of the 55th CBR unit. Warnings go from the control center to headquarters, which will alert citizens to take cover.



METRONOMES AND MAPS—Three of the 55th Army Band members, whose secondary duty is chemical-biological-radiological defense training, replace the metronome with a compass and the music sheet with a map during a CBR exercise in the field. The band is a part of the Army Missile Support Command at Redstone Arsenal. Left to right are: SP4 Gary Cogdill, SFC Juan Rodriguez-Vasquez, and PFC Andrew Lyga.

BAND

(Continued From Page 4)

tion which lessens as it spreads in a wider pattern.

Information is fed to the control point from artillerymen, weathermen and others who help determine the rate of advance of contamination on the prevailing winds.

Meanwhile, the patrol continues to survey the area with detection instruments. CWO Mytinger is in command at the control point.

As zero hour to take shelter approaches, both Military and Civil Defense authorities are alerted. The time-safety factor for evacuation is relayed to headquarters points from the control center of the CBR unit. Both the civil and military authorities will inform the people of time to take shelter, using the Conelrad stations.

Clarinets, drums and horns are the more usual instruments for the 55th Army Band, but it can double in brass as CBR specialists, radiomen, and drivers if necessary.

COL. NEWMAN APPOINTED TO PERT/COST TEAM

Col. William J. Newman, Comptroller and Director of Programs of the Army Missile Command, has been appointed as a member of the Army Materiel Command PERT/COST Implementation Team. (Spelled out PERT is Program Evaluation Review Technique).

This system is designed to provide information that will enable better planning and control of time and cost in development and construction projects.

Colonel Newman assumed his Missile Command duties in September, having come here from the Ordnance Office at U. S. Army Headquarters, Pacific, where he was Chief of Ammunition and Special Weapons from 1959 until the past August.

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Sports by Handy

By SFC Robert Handy

Misc. Information

This past week sports were almost nil, but a new 'sport' has arrived at the Arsenal.

This new activity will concern all and all will be participating. Operation Stay-A-Live is the new interest.

There are many sections to Operation Stay-A-Live, but the one we are concerned with are the Home Fires. Not the kind you like to come home to, or a nice cozy fireplace to dream by, but the kind of home fires that destroy all dreams that man has.

Since childhood till the walking cane stage, people have had fire protection drilled into their lives until humans take fire protection as a dull monotonous disinterested subject. They do not realize that it is never too late to learn about the protection or that new causes happen each minute of the day.

This year of 1962 and 1963 it is planned that Operation Stay-A-Live will refresh and instruct in the new protection for home fires. If people would only take 10 minutes of their time to make an inspection of their homes it would save many years of heartache. The way houses go up so fast these days isn't it possible for a wall plug to have a short, or isn't it possible to have a gas leak in a new connection, or was the building short of storage space and you have to store gasoline, paints or rags and trash in a closed area in the house?

It only takes a little time to make sure and be sure of your own protection. At least if you are the big brave type and know all the answers and have the best of friends when things go wrong and you have the protection (you think), what about the family?

So friend, it is never too late to take advice or help when it comes to the protection and prevention of home fires. Many people don't look at figures in the millions or even the hundred thousands, but if they stop and think of the loss of their own few thousands, then fire prevention would be an automatic habit with them. Operation Stay-A-Live is to be that habit if you will let it.

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Bowling

League standings of leagues at the Redstone Bowling Lanes, Nov. 7:

RSA EM MIXED LEAGUE			
Team	Won	Lost	
Jones & McClure	24	12	
Belt & Ryan	23	13	
Bennett & Hoyer	22	14	
Louis & Mounce	16	20	
Hartwell & Metcalf	15	21	
Foster & Legeza	15	21	
*Jones & Maiser	14	18	
*Cooley & Chervanik	14	18	

BANTAM LEAGUE			
Team	Won	Lost	
Jetson	5	1	
Lucky Strikes	3	3	
Strikeouts	3	3	
Wildcats	1	5	

OFFICERS WIVES LEAGUE			
Team	Won	Lost	
Jumpin Jacks	20	8	
Alley Cats	17	11	
Merry Mrs.	15	13	
Team No. 8	15	13	
Hi Fi's	13	15	
Gamblers	12½	14½	
E-Z Rollers	10½	17½	
Happy Bowlers	9	19	

THURSDAY MORNING LADIES LEAGUE			
Team	Won	Lost	
Off 'N' On	21	7	
Hit 'N' Misses	15	13	
Up 'N' Downs	11	17	
Misfits	9	19	

SCHOOL TROOP COMMAND LEAGUE			
Team	Won	Lost	
Deuces	32	8	
Aces	27½	12½	
Electrons	27	13	
Keglers	26½	13½	
Ten Pins	17	23	
Strikes	14	26	
Spares	14	26	

OGMS OFFICERS LEAGUE			
Team	Won	Lost	
Adm.	21	7	
Researchers	19	9	
Bohunks	17	11	
OSTD	13½	14½	
Commoners	7½	20½	
UTC Tiplers	6	22	

EM TROOP COMMAND LEAGUE			
Team	Won	Lost	
Raiders	18	10	
Curvals	17½	10½	
Rats	17	11	
Ohms	16½	11½	
*Ordets	9	11	
Jockeys	12	16	
*S & E's	10	14	
*Keynotes	4	20	

OFFICERS MIXED DOUBLES LEAGUE			
Team	Won	Lost	
D-Yanks	42	30	
Bombers	41	31	
Bowl Weevils	39½	32½	
Redstones	39	33	
Pin Droppers	36½	35½	
D-Doms	34	38	
Baby Splits	29	33	
Hi-Counts	27	45	

Sports Car Buffs

By Ray Mosling

On November 4th, 18 Huntsville sports car enthusiasts attended the Alabama Sports Car Club's annual autocross at Meherg Park, located approximately 20 miles southwest of Sylacauga.

The two-mile course consisted of clay, gravel and dirt roads winding through tree-covered hills. Turns were so numerous that memorization of the course was impossible. In spite of turn signs placed along the course, more than a few contestants found themselves touring the toolies at various times. The event proved to be a really big challenge for every-

RSA OFFICERS LEAGUE			
Team	Won	Lost	
Slowburners	26	10	
Bandits	21	15	
Spoilers	20	16	
Robes	19	17	
Alleycats	13	23	
Medico No. 5	9	27	

ARMY-AIR FORCE OFFICERS BOWLING LEAGUE			
Team	Won	Lost	
Lucky Strikes	60	20	
Black Jacks	58	22	
King Pins	56	24	
Pin Splitters	47	33	
Raiders	39	41	
Jupiters	32	48	
AF Juplos	22	58	
Hopefuls	6	74	

600 Series: Thompson—602.
200 Games: Thompson—216, 207; Vander Heyden—208; Pencola—203; and Cunningham—200.

Hinrichs Predicts Smaller Missiles

Rapid advances in miniaturization are making large missiles obsolete, graduates of the Army Ordnance Guided Missile School were told Friday (Nov. 9th) by an outstanding rocket research expert.

A new computer that is only the size of a match box but capable of performing most of the computation for the Corporal missile has now been developed, according to Holm Hinrichs, director of the Army Missile Command's Structures and Mechanics Laboratory.

Hinrichs addressed 31 U. S., German and Swedish students completing courses in a ceremony at the Post Theatre. He was introduced by Maj. B. L. Vaughan of the OGMS staff.

German Airman Franz-Josef Fenger received an outstanding

one.

After a few dented fenders and much dust, the enthusiasts from Huntsville had captured first over-all, three class wins, three second-place wins, and two third-place wins. Everyone who attended enjoyed the exciting event, although feelings concerning the course conditions and high speeds were mixed.

The Great Tennessee Rally will be held on Nov. 17-18 starting in Nashville, Tenn. A number of local sports car enthusiasts are planning to attend this 12-hour endurance rally. Further information may be obtained by calling this writer at 536-8373 after 5 p.m.

student plaque from the Tennessee Valley chapter of the Association of the U. S. Army for averaging 97.9 in the Nike internal guidance repair course. Swedish Army SFC Per-Thomas Cahlen was honor man in the Hawk radar repair course.

Opening Of Club House Slated Dec. 1

Competition will mark the grand opening of the new golfer's building at the Redstone Arsenal Golf Course. The opening is scheduled Dec. 1.

Awards will be made for shots closest to the hole from a sand trap; longest drives for both men and women; lowest scores for men and women in nine holes; closest to the pin in both categories; and a blind bogey.

Both retired and active members of the Military and dependents may compete.

Movie Schedule

WEDNESDAY, November 14
"The Tartars" (M)
THURSDAY-FRIDAY, November 15-16
"Period of Adjustment" (M)
SATURDAY, November 17
"The Savage Guns" (M-YP)
SUNDAY-MONDAY, November 18-19
"Hemingway's Adventures of a Young Man" (M-YP)
TUESDAY, November 20
"The Day Mars Invaded Earth" (M-YP)
Two shows nightly at 6 and 8:30 p.m., Saturday matinee at 1 p.m., and Sunday matinee at 2 p.m.

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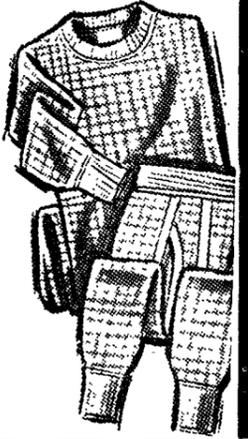
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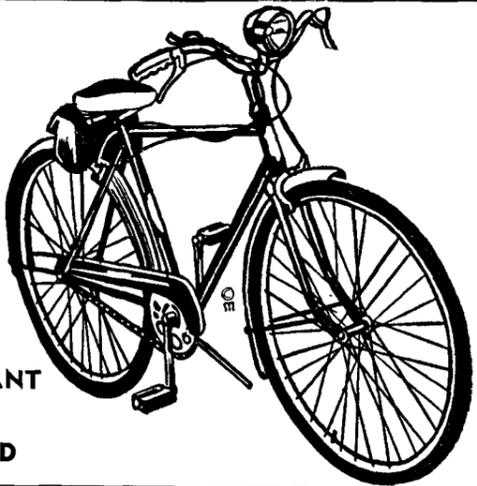


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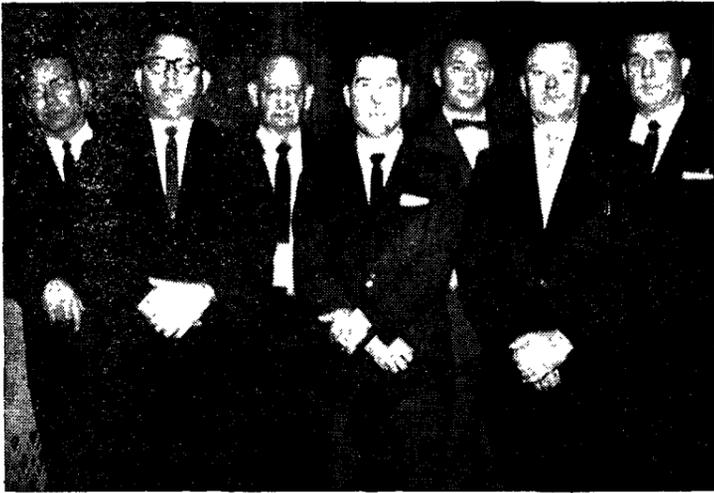


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Peacetime Record Set For Fielding Weapons System

Only 23 working days were required for Army Missile Command scientists and technicians to make delivery of the first set of rocket armament for the Army's helicopter in the field.

Working on a crash basis on a request from the U. S. Army Weapons Command at Rock Island, Ill., members of the Research and Development Directorate of the Missile Command produced the system from initial design to test and delivery.

Maj. Gen. Francis J. McMorrow, Commanding General of the Missile Command, said that the rapid delivery was probably a new record for peacetime fielding of a weapon system.

The armament system uses 2.75 inch folding fin aircraft rockets mounted in 24-tube pods on each side of the 'copter. It was developed for use as an area weapon against both armored and unarmored targets.

The helicopter pilot can aim and fire the rockets, either in pairs or by automatic "ripple" fire. A full 48-rocket ripple can be fired in approximately two seconds.

Design drawings documentation, and installation and maintenance manuals were written and published in-house at the Army Missile Command during the one-month period the missile pods were being assembled.

ordinated the sponsorship of the course with Col. R. M. Allgeier, Army Missile Support Command representative.

GIVE SHELTER MANAGEMENT TRAINING COURSE—A team of specialists from the Alabama Civil Defense Office conducted a day-long session Thursday for Redstone Arsenal shelter managers and senior staff officers of the Army Missile Command and Marshall Space Flight Center. Taking part in the meeting were Joe B. Headrick, Fiscal and Resources Management Officer; Robert W. Glass, Radiological Officer; Houston Gantt, Central Alabama Coordinator; Erston Toney, Police Services Officer, all with the State Civil Defense; William Flemming, Hospital Planning Division, Alabama Health Department; Ransom Crawford, Huntsville-Madison County Civil Defense Director.

Management Of Shelters Is Studied

A day-long Shelter Management Training Course for military and civilian personnel was conducted last Thursday at Redstone Arsenal.

Attending the course were several hundred shelter managers and senior staff officers of the Army Missile Command and Marshall Space Flight Center.

Five members of the Alabama Civil Defense Office were on hand to conduct the course which covered every phase of fallout shelter usage. The one-day course was held under joint sponsorship of the Army and the State Civil

Defense.

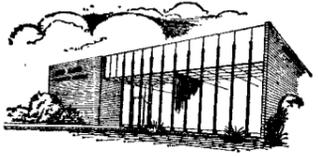
Col. T. W. Cooke, Commander, Army Missile Support Command, opened the meeting at the Rocket Auditorium with a short welcome. Taking part in the day's program were Joe B. Hedrick, Civil Defense Fiscal and Resources Management Officer; Robert W. Glass, Civil Defense Radiological Officer; Houston Gantt, Central Alabama Coordinator for Civil Defense; Erston Toney, Civil Defense Police Services Officer; William Flemming, Hospital Planning Division of Alabama Health Department. Ransom Crawford, Huntsville-Madison County Civil Defense Director, co-



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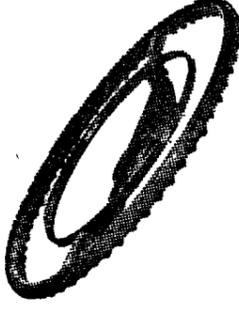


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Bill and Pat Medley

Medleys Scheduled For 2nd Community Concert Presentation

The second Community Concert presentation scheduled Nov. 15 at the Huntsville High School Auditorium at 8:15 p.m. will be a piano duo, the Medleys.

Bill and Pat Medley have established themselves in five seasons on a nationwide basis and in most of Canada.

They were guest artists at the Hot Springs National Federation of Music Clubs convention, and the Sigma Alpha Iota Golden Anniversary Chicago convention.

Miss Hocker Wins Best Speech Title

Best speech award went to Miss Marian Hocker of the Civilian Personnel Office, Army Missile Support Command, at last Wednesday night's meeting of the Huntsville Toastmistress Club at Steadman's restaurant.

The toastmistress for the evening was Maj. I. S. Connolly. Others participating in the program were Miss Mary Elizabeth Chesser with a prepared speech on diet and health, Mrs. Cora Carr Briskey with an educational workshop and Miss Lucile Hambrick as topic mistress.

Mrs. Spragins Wins Party Bridge Game

Party bridge competition sponsored by the Redstone Arsenal Officers Wives Club on Thursday morning was won by Mrs. R. L. Spragins at the last meeting.

The group meets at the Squirrel Hill Officers Club at 10 a.m.

Other winners Thursday were Mrs. S. J. Dobbs and Mrs. J. P. Mullins. Eight tables were in play. Reservations are handled by Mrs. E. S. Schorsten.

SOCIAL ^{and} CLUB EVENTS

Gen. Bunker To Address Accountants

Maj. Gen. William B. Bunker, Comptroller and Director of Programs, Army Material Command, will be guest speaker November 15 for the dinner meeting of the Huntsville Chapter, Federal Government Accountants Association.

The meeting will be held at 6:30 p.m. at Huntsville Country Club.

Gen. Bunker will discuss the general topic of financial and program management.

LT. COL. SCOTT, MRS. PATTON WIN AT PARTY BRIDGE

Winners at Monday night Party Bridge at the Squirrel Hill Officers Club last week were Lt. Col. Wesley Scott for the men and Mrs. Winford L. Patton for the women.

Runners up in the competition were Capt. James Hall and Mrs. Edward Billings.

Reservations for the month will be taken by Mrs. Frank Moore, 877-4171.

Maj. White Elected Sojourner President

Maj. Rudolph D. White was elected President of the Redstone Chapter no. 353, National Sojourners, at a dinner meeting held at the Redstone Arsenal Officers Club last week.

Other officers elected to serve for 1963 are Maj. Philip E. Burleson, first vice-president; Major Paul A. Pencola, second vice-president; CWO John C. Dodd, third vice-president; Col. Raymond B. Bates, secretary; and Lt. Col. Glen B. Keith, treasurer.

At the December meeting, retired Army Brig. Gen. Harry R. Kutz, of St. Petersburg, Fla. will officiate at the installation ceremonies for the newly elected officers.

The highlight of last week's meeting was the guest speaker, Lt. Col. Wilmer R. Bottoms, Post Chaplain, who spoke on "The Development of the Mind of Man."

RETIRED OFFICERS WIVES PLAN CARD PARTY, LUNCH

The Retired Officers Wives Association will sponsor a Canasta-Bridge Tuesday, Nov. 20 at 10 a.m. at the Squirrel Hill Officers Club.

Mrs. Frank Cook (539-6343) is handling reservations for cards and lunch. Reservations will be accepted until Sunday, Nov. 18.

Personnel Chiefs To Hear Williams

Ralph R. Williams, Director of Industrial Relations of the State of Alabama, will address the Huntsville Chapter of the Society for Personnel Administration, at the dinner meeting, Tuesday, Nov. 20, at the Redstone Arsenal Officer's Club.

Williams is a widely known impartial arbitrator in labor disputes throughout the South and is the author of a number of law books, including a six-volume work on trial and appellate practice in Georgia, and a Workmen's Compensation book for Tennessee and Alabama.

Williams received his AB and LLB degrees from the University of Georgia. He also has a Masters degree in Political Science from Syracuse University, a Master of Laws from Leland Stanford University and an honorary Doctor of Laws degree from the Atlanta Ga. Law School. He did graduate work in labor relations in the

Science Club Hears About Reentry Study

"Since we can't shoot a full laboratory into space to study re-entry conditions, we've brought space conditions down to ground-level."

Thomas A Roberts, a physicist with the Physical Sciences Laboratory in the Army Missile Command's Directorate of Research and Development, explained the uses of the Laboratory's plasma re-entry facility to the Huntsville High School Science Club Wednesday, Nov. 7.

Commonly referred to as the plasma jet, the facility is similar to a wind tunnel, except that it uses superheated gases instead of air.

By investigating all possibilities of low-cost and surplus equip-

Department of Industrial Relations of the Stanford University Graduate School of Business Administration.

ment, the Directorate was able to build the facility at relatively low cost. Six generators were acquired as surplus from Navy destroyers, which furnished the 8 megawatt direct current power supply. This alone saved the taxpayer an estimated one-half million dollars.

Roberts is past president of the Mason-Dixon chapter of Toastmasters International, and is now Lieutenant Governor of District 48.

Roberts lives at 2712 Mastin Lake Rd. with his wife, Anne, a son, Larry, 22 months, and a daughter Regina, 6 weeks.

RETIRED TO MEET

The Retired Officers Association will meet at the Elks Club for dinner and a business meeting at 7 p.m. on Nov. 17.

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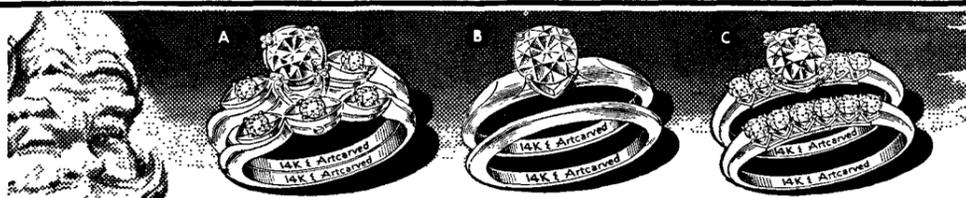
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J. KOBLER TALKS AT TULSA MEET

An Army Missile Command Engineer addressed the Tulsa Chapter of the American Welding Society, yesterday at Tulsa, Oklahoma.

Julian S. Kobler, Technical Advisor, Structures and Mechanics Laboratory, Directorate of Research and Development, presented a talk entitled, "Development of Arc Welding Electrodes."

Mr. Kobler pointed out that the development of the coated arc welding electrode has been recognized as one of the most important accomplishments in advancing the science of metal working, during the present century.

He stated that this "magic wand" has done much to create low cost mass production, has aided materially in raising the standards of living throughout the world, and has provided breakthroughs in material and manufacturing research that has enabled the end accomplishments now apparent in missile and space technology.

Kobler also compared welding with flux covered arc welding electrodes to steel making in miniature emphasizing, however, that the thermal cycle of the welding process, and resulting chemical reactions are so rapid that despite the high temperatures of the arc, a metallurgical state of equilibrium is never achieved.

His presentation also included an analysis of electrode formulations and projected improvements anticipated to meet the stringent requirements of the missile and space age.

Mr. Kobler is a metallurgist, having received an AB from the University of Pennsylvania and an LLB degree from Rutgers University School of Law.

Modern Day Russia Topic For Engineers

Maj. Gen. Robert G. MacDonnell will be the principal speaker at Thursday's meeting of the North Alabama Chapter of the Society of American Military Engineers. The meeting will be held at Redstone Arsenal Officers Club.

The Director of Civil Works for the U. S. Army Corps of Engineers will discuss his observations of modern day Russia. Gen. MacDonnell recently returned from a tour of the Soviet Union as a member of a group headed by Secretary of the Interior Stewart Udall.

His address will follow a social hour and dinner starting at 6:30. Reservations for the affair must be made with Col. C. H. Fuller or G. N. Brown not later than Tuesday, Nov. 13.

A graduate of the U. S. Military Academy in 1934, Gen. MacDonnell has spent his entire commissioned service in the Corps of Engineers and is a registered professional engineer. He holds a master of science degree in civil engineering from the University of California and later attended the Army War College.

During World War II Gen. MacDonnell served as assistant engineer, and later acting engineer, for the Eighth Army in the Pacific and participated in the New Guinea, Southern Philippines, Luzon and Leyte campaigns.

In addition to his military assignments, the guest speaker has held a number of responsible positions under the Federal government and the state of California.

These included a term as president of the California Debris Commission; a member of the Beach Erosion Board; and Army

representative on the Pacific Southwest Interagency committee which was comprised of the Governors of nine western states and executives of Federal agencies concerned with water resources development.

Gen. MacDonnell formerly served as a member of the Board of Engineers for rivers and harbors; was a member of the advisory council for the University of California Water Resources Center; and was a consultant to the U. S. section of the International Boundary and Water Commission.

15,000 ATTEND COURSES

Some 15,000 Federal employees attended courses under the Interagency Training Program to obtain needed training during the last fiscal year. The program, authorized under the Government Employees Training Act of 1958, is designed to encourage agencies to meet their training needs so far as practical through Government facilities.



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Hot Buttered Rolls

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

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Try Our SPECIAL CHUCK WAGON STEAK

With Salad, F.F. Potatoes

Hot Buttered Rolls

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Pork, lb. \$2.00

Beef, lb. \$2.25

Chicken, (Whole) \$1.25

Bucket of CHICKEN

\$1.99 Per Bucket

Will Serve 6 People

French Fries, lb. 80c

Slaw, Pt. 35c

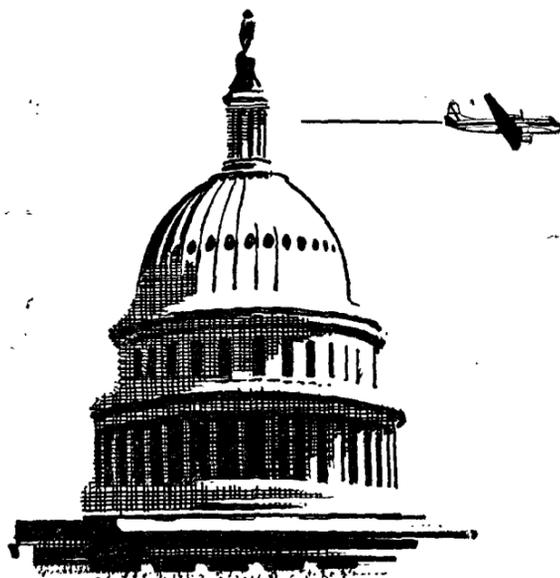
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MIDDLE MANAGEMENT INSTITUTE GRADUATION—Col. Henry J. Katz, Deputy Chief of Staff, Army Missile Command, presents a certificate to Joseph C. Betterton, Pictorial Division, upon completion of a 40 hour Middle Management Institute at University of Alabama's Huntsville Center. Betterton was one of 27 Missile Command personnel completing the course presented by Atlanta Regional Office of the U.S. Civil Service Commission. The course was coordinated by Training and Development Division, Army Missile Support Command, and the personnel office of Marshall Space Flight Center.

Contracts Provide Items From Diapers To Donuts

It takes everything from diapers to donuts to support the Army activities in the guided missile and rocket programs at the Army Missile Command.

The diapers are used at the U. S. Hospital, and the donuts feed the troops.

The Missile Command spent almost half a million dollars in the southeast during October to pay for goods and services. The smallest purchase in Huntsville, \$1.20, was for an electronic component, and the largest award there was \$18,047.68 to pay for computer time.

Huntsville businesses received the largest share of awards in Alabama, \$222,930.51. Approximately \$70,000 went to merchants in Birmingham.

About \$85,000 worth of business was divided among companies in Anniston, Decatur, Brewton, Paint Rock, Florence, Gadsden, Sheffield, Madison and Athens, Ala.

Businesses in Tennessee received more than \$30,000 and Georgia concerns got orders amounting to almost \$1,000.

Other small awards went to California and Massachusetts firms in the amount of \$17,700.

These expenditures are in addition to those contracts for a million dollars or more which go to contractors throughout the United States for missiles, rockets and related equipment.

Personnel from the Purchasing

and Contract Division of the Army Missile Support Command, an element of the Missile Command, and the Local Purchases and Formal Advertising Offices of the Missile Command Procurement and Production Directorate are responsible for administration of the awards made at the Command.

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Hercules Contract Let

The Department of the Army today announced the award of a \$1,773,920 contract for work associated with its Nike Hercules air defense guided missile.

The Western Electric Company

received the award for continued support of the Nike Hercules system.

Nike Hercules is an operational missile system now on location around key cities and defense installations. Management of the Nike Hercules is under the Army Missile Command.

The New York Procurement District will administer the contract.



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1954 CHEVROLET 4-DOOR — Straight shift, extra good second car \$195.00

1962 CHEVROLET 2-DOOR — Hardtop V8. Automatic, Power steering, solid white \$2495.00

1961 OLDS 2-DOOR HARD-TOP — Full power, like new beautiful maroon \$2495.00

1961 CHEVROLET 2-DOOR Hardtop Impala. Full power, factory air cond. \$2495.00

1962 OLDS 88 4-DOOR SEDAN Full power, factory air conditioning 2995.00

1959 CADILLAC 4-DOOR — Full power and factory air 2795.00

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1956 CHEVRLET 4-DOOR BEL AIR V8 — Power glide, Power brakes, power steering, factory air conditioning. Extra clean! You must see this car to appreciate it! Better look!

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At the Service Club

By Brenda Hanson

A pattern for wholesome recreation has shaped into an effective program for the Service Club this week.

A glance at the various attitudes toward our recreation program indicates its importance as both an agent and means of social control. Recreation takes its place as an essential process molding individuals personalities and creating a wholesome social life for the Redstone Arsenal GIs.

The Service Club recreation programs are woven deeply into the design for the social stability of the GIs. The lack of organized recreation tends to create individual and the social lethargy, so to prevent this happening to you, make a habit of visiting the Rocket Service Club regularly and take part in its events and happenings planned with you as the nucleus.

Since we do plan our Service Club programs with you as the nucleus, the first particle of our program this week, is the weekly Dance Classes. These classes are taught by Virgil Norris. If you would like to learn to dance, we extend a welcome to you to join the dance class. Norris teaches a variation of steps including the Fox Trot, Cha-Cha, Samba, Rumba, and various others. The Beginners Class begins at 1900 hrs. and the Advanced Class at 2000 hrs. So we'll be looking forward to seeing you at the Dance Class.

As we go further into the atomic pile, other elements making up the Service Club program are the Contests. Thursday Nov. 15, the spotlight is on card contests beginning at 2000 hrs. Prize will be given to the winner of the contest. Then on Friday, Nov. 16, is the Shuffleboard Contest beginning at 2000 hrs. Since shuffleboard is a popular game here, we should have some skilled contestants. Prize will be given to the winner.

Nov. 17, the event of the day is "Top Tunes." We will play the top tunes of the day and if you can identify them you will win a prize. Too, we have a mystery tune. This is a good chance to test your familiarity in the musical field.

Since Sunday is the beginning of a new week, start the week off right by coming to the Service Club at 0900 hrs. and have hot coffee and fresh donuts. We will climax the evening with a Record Dance under the theme of "Harvest Hop." PFC Jim Budd and PFC Robert Perry will be spinning your favorite disk for you. The theme song will be the opening number at 2000 hrs.

Nov. 19 is the night that is designated to "Game Night." The games will begin at 2015 hrs. with two prizes for the winners.

As we finish the structural make-up of the atom, the last element making up the Service program is the Junior Hostess Meeting Nov. 20, at 1930 hrs. We urge you girls to come with some good ideas for the December program. Refreshments will be served at 2000 hrs.

The Service Club staff sees the growing importance of recreation as a fundamental element in the life of our GIs, so we planned this week's program with the intention of injecting some form of recreation into a tired troopers life.

See ye at the Service Club.
Brenda

UGF Helped By Foreign Students

The local United Givers Fund drive is richer today because of a special foreign aid program from which Americans will benefit.

The Army Ordnance Guided Missile School went over its quota of \$15,024 by some \$400—which was the amount contributed by foreign students.

Col. William J. Macpherson, Commandant, announced that the Chinese, Belgian and German Missile detachments now in training voluntarily decided to participate as organized units in the drive that supports local charitable and welfare organizations. Men from several other nations made personal contributions.

Some of the individual contributions amounted to as much as \$10, a considerable sum for a foreign missile man whose pay is generally below that of American soldiers, Macpherson pointed out.

The Missile School collection also benefited by almost \$1,200 in gifts from employes of Martin-Marietta, Chrysler and Philco corporations assigned to the activity here.

Telstar, the world's first trans-Atlantic space satellite television relay, is sending scientific data back to earth in addition to amplifying and resending communications between Europe and the United States.

Shelter Tests Prove Troops Are Ready

Participants Use Igloos As Shelter

Another in the series of passive defense tests was conducted last week with 63 officers and enlisted men from the Army Missile Command and the Ordnance Guided Missile School participating.

The latest test was under the direction of the Plans and Training Division of the U. S. Army Missile Support Command. Col. Robert M. Allgeier, Assistant for Intelligence, Operations and Security, AMSC, said that "all objectives were achieved."

The purpose of the latest shelter stay test was to determine the feasibility of utilizing igloos in their current condition with minimal modification and to obtain additional data relative to mental and physical effects of shelter occupancy.

During the shelter stay, Brig. Gen. H. P. Persons, Deputy Commanding General, Army Missile Command, toured facilities and talked briefly with participants.

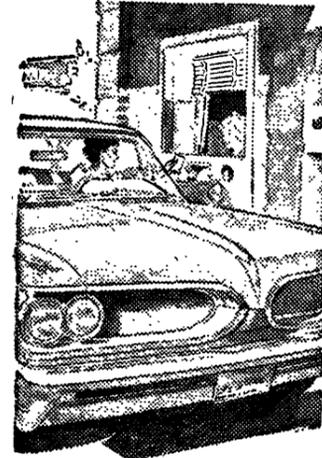
Col. William F. Register, Deputy Commander, Army Missile Support Command, presented letters of commendation to participants when they left the shelter. The letters were signed by Maj. Gen. Francis J. McMorrow, Commanding General, Army Missile Command.

Units which participated in the test included elements of the 119th

Ordnance Detachment (GMDS) of both the Army Support Command (Hawk), Army Ordnance Guided Missile School, the 291st Military Police; Headquarters Detachments of both the Army Support Command and the Army Missile Command, the 55th Army Band and the Post Hospital Detachment.

The Redstone Rocket — Nov. 14, 1962 Page 11

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MISSILE EXPERTS TALK AT SEMINAR

Emphasizing the need for scientists to effectively communicate their decisions to others, Dr. William W. Carter, keynoted the third annual seminar and art show sponsored by the Huntsville chapter of the Society of Technical Writers and Illustrators at the Russel Erskine Hotel Thursday.

The chief scientist for the U. S. Army Missile Command was the featured speaker for the Thursday morning assembly on the scientist in communications.

Other speakers taking part in the three-day seminar included: Francis R. Royer of New York, president of Royer and Rogers; Ron Ferdie of the Marshall Space Flight Center; Miles R. Hardenburg, of the Army Missile Command; and H. L. Chadbourne, of the N. S. Navy Electronics Lab, San Diego.

"To a pure scientist," Dr. Carter said, "the job is really over after he has created his new knowledge or data."

He added, however, "More and more scientists are realizing that their job is really not finished until they have communicated their discovery with the rest of the scientific world."

The scientist pointed to many examples of fundamental, scientific theories which were generated by an isolated individual but not successfully communicated or sold to the rest of the world. Einstein's famous mass-energy relation was derived first by Dr. H. A. Lorentz, a Dutch scientist. But Lorentz didn't succeed in getting the word across to the scientific world.

This additional task of communicating one's cherished developments is frequently an irritating and difficult job for the pure, creative technical person.

Dr. Carter contrasted this familiar lament of the scientist to the approach taken by the scientific managers of the Missile Command.

He noted, "Missile managers are now thoroughly convinced that the most effective approach to take in fielding a new missile system is an 'integrated systems' approach."

"This means," he continued, "the research, development, production, training, maintenance, field support of a missile system must be considered and treated as one inseparable problem."

He urged his audience of communications specialists to take a similar approach. He said that a successful communication system must include the producer and

LT. COL. PEARCE BECOMES LIAISON

Lt. Col. Robert M. Pearce has been assigned as Combat Development Command Liaison Officer to the Army Missile Command. This is his second assignment here having served with ABMA in 1956-57.

He came to Redstone Arsenal from Korea where he was Com-

sumer and all of their special problems.

mander of the 1st Missile Battalion, 42nd Artillery.

His previous military experience included tours at the Command and General Staff College, Fort Leavenworth, Kan., and Office of Chief of Research and Development, Washington, D. C.

Col. Pearce attended the University of Louisville, Louisville, Ky., his native city. He entered the U. S. Military Academy, West Point, N. Y., in 1941 and graduated in 1944. He took graduate work at New York University, receiving a Masters Degree in Aeronautical Engineering in 1948.

Col. and Mrs. Pearce are parents of three children, Robert Jr.,

Lieutenants Count 'Lucky Thirteen'

Is thirteen an unlucky number? Some say "yes," some "no" but there are 13 Signal Corps Lieutenants that say "no" and have the necessary proof to back it up. They have all shed the gold bars of second Lieutenant and replaced them with the silver bars of a first Lieutenant.

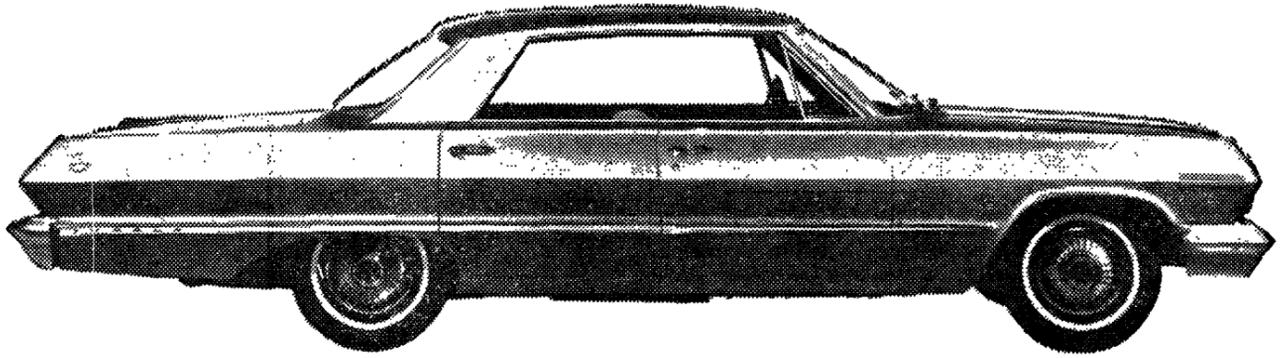
Twelve of them are assigned to 15, and twins, Perry Elizabeth and David, 14.

the Ordnance Guided Missile School, one to Signal Technical Support, Army Missile Command. With the exception of two Company Commanders, all those of OGMS are electronics instructors.

Promoted were Bryan E. Burgess, Card D. Carey, Richard C. Hilton, Wesley N. Laing, Barney R. Lance, Bernard I. Lewis, Roy H. Lynch, Frank E. Nix, Robert Salter, David L. Sandquist, James P. Shannon, Jerry W. West, and Robert N. MacCallum.

Lt. Lance commands Hq & Hq Co., and Lt. West commands Co. C (Signal), STC. Lt. Salter is from AMC.

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Gen. Wilson Inspects Construction

Lt. Gen. W. K. Wilson Jr., Chief of Engineers, Washington, arrived at Redstone Arsenal last week to inspect U. S. Army Corps of Engineers managed construction of both the Army Missile Command and the Marshall Space Flight Center.

Others making the trip were Brig. Gen. H. A. Morris, Division Engineer, South Atlantic Division, Corps of Engineers; Brig. Gen. Thomas J. Hayes, Assistant for NASA Support Office, Chief of Engineers; Col. D. A. Raymond, District Engineer, Corps of Engineers, Mobile; Col. R. C. Marshall, Asst. Director of Civil Works for Eastern Division; and Col. David Roberts, Mobile District Engineer Office.

The group discussed construction activity of the Army with Maj. Gen. F. J. McMorro, Commanding General, Army Missile Command, and later with MSFC officials.

The visitors toured Redstone and inspected progress of present Corps of Engineers construction activity. They were banquet guests of Governor John Patterson Tuesday evening in Tuscaloosa. The proposed Tombigbee waterway was the main topic of discussion.

INCENTIVE AWARDS

Outstanding Performance
Sustained Superior Performance
 Clyde J. Lincoln, GM Mech Inst & Repr, Dir of Res & Dev; Jimmie C. Herrin, GM Mech Repr, Dir of Proc & Prod; Amy W. Childers, Mail & File Clerk, Dir of Sup & Maint.; Lela S. Griffith, Secretary (Typing), Dir of Proc & Prod.; Reba M. Latham, Secretary (Steno),

Betty H. Sanders, Secretary (Steno), Elizabeth M. Schanhoff, Secretary (Steno), all of OGMS; LaVain H. Bowman, Secretary, (Steno), Dir of Proc & Prod.
Outstanding Performance
 Leland G. Ewalt, Supv Education Specialist, OGMS; James W. Linton, FS Opns Program Assistant, Dir of Supply & Maintenance;

Lois S. Lewter, Procurement Clerk, Dir of Proc & Prod.

Sustained Superior Performance

Arlton H. Hooker, General Engineer, Dir of Proc & Prod; Herman R. Oswell, Aeronautical Research Engr., Ruby L. Blackwood, Clerk Stenographer, both Dir of Res & Development; Elizabeth A. Johnson, Program Budget Analyst, Control Office, AMSC.

Suggestions

John S. Pohl, Dir of Procurement & Production, \$15.00 award—this suggestion resulted in closer co-ordination with the Pershing Project Manager's Field Officer in preparation of directive type letters to the contractors. The idea has intangible benefits in the minor-limited category.

Dolly M. Thompson, Dir of Supply & Maintenance, \$5.00 award—this suggestion resulted in the revision of AOMC Form 1269 (EAM Punching Guide for Detail and Trailer Cards). This revised form will eliminate the handling of one form in cataloging actions. The estimated first year savings is \$922.

Erma B. Weigart, Dir of Supply & Maintenance, \$35.00—this suggestion resulted in a change to the monthly cyclic review procedure which will eliminate the running of a listing by machine operations. The estimated first year savings is \$608.

John R. Munger, Dir of Research & Development, \$25.00 award — this suggestion resulted in a machine being devised and built that will aid in reading Instron traces. This idea has intangible benefits in the minor-limited category.

Bobby G. Nunn, Dir of Supply & Maintenance, \$80.00 award —

this suggestion resulted in a rubber stamp being made with the words "Computer Input" to be used to stamp AOMC (ARGMA) Form 540 and 541. The estimated first year savings is \$1,599.



SAFETY CONTEST WINNERS—Silver dollars were awarded to winners of a recent safety contest conducted by Thiokol Chemical Corporation's Alpha Division at Redstone Arsenal. The safety contest, conducted in conjunction with the Huntsville Jaycee campaign, urged wider use of automobile seat belts. Left to right are Nick Butler, Technical Management; Miss Mary Lindsey, third place winner; Bill Aycock, Technical Management; and N. H. Moon, Operations Services and Tommy Gooch, Safety Engineer. Not shown is Harvey Cramer, Pilot Lines, first place winner. The industry is equipping its on-road vehicles with seat belts, officials said.

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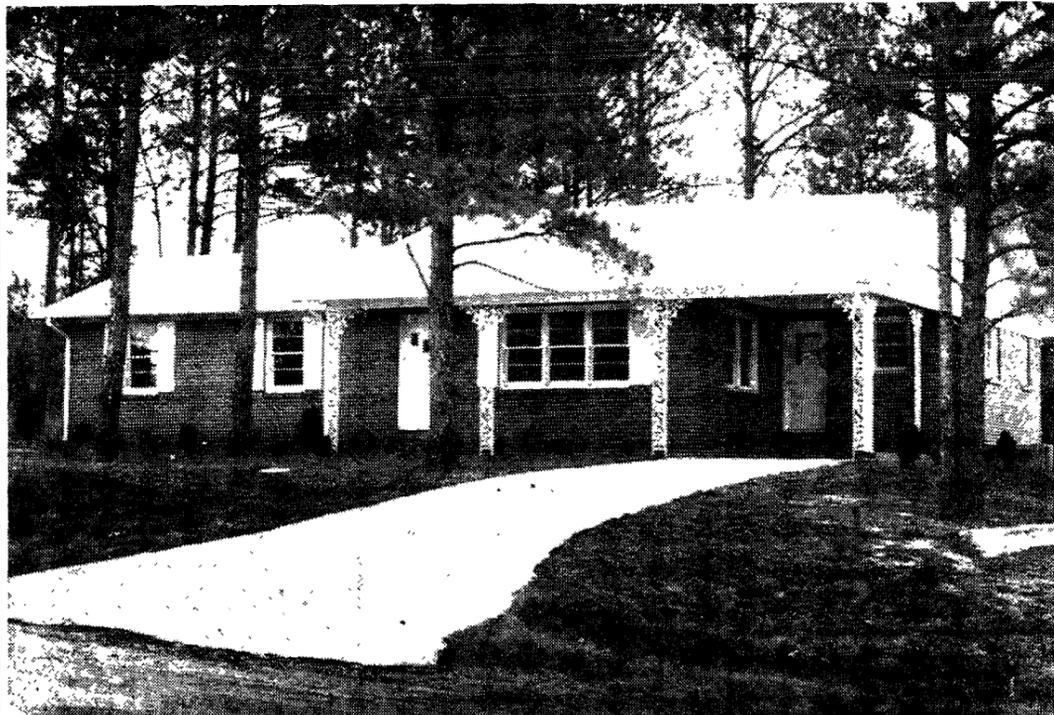
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OLD COINS — I buy old coins—old gold coins; Indian head pennies, complete sets; Canadian coins. Darrell Sanders, Grand News Stand, Clinton Ave., downtown Huntsville. tfc

FOR RENT — Two bedroom, furnished. Modern, on lake, fishing pier, dock. Nolan Hotel, Gunter'sville. 582-3178. 11-14c

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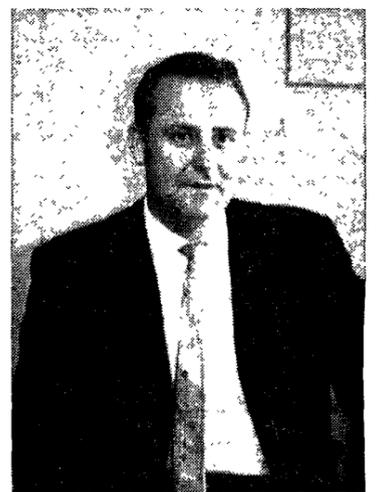
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- 1959 CHEVY BEL AIR — 6-cyl. Has radio, heater, straight shift. Only — **\$1295.00**
- 1958 CHEVROLET 6-CYL. 4-DOOR. Has radio, heater. Yours for only — **\$895.00**
- 1957 CHEVY 4-DOOR HARDTOP — 6 cyl. This one has straight shift — **\$895.00**
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- TWO 1957 FORD 4-DOOR V8'S — Custom 300, with radio, heater. Automatic — **\$695.00**
- THREE 1956 CHEVY'S — 6-cyl, ready to go — **\$695.00**
- 1957 STARCHIEF CATALINA — 2-door hardtop. Power steering and brakes, continental kit, New set white tires. Really sharp! — **\$995.00**
- THREE 1955 FORDS — Nice cars — **\$495.00 Each**
- TWO 1956 FORDS — Extra nice. Only — **\$695.00**
- 1956 BUICK 4-DOOR HARDTOP — New set of tires. She's extra nice — **\$795.00**

Cuzz Gray's Specials - - -

- 1956 STUDEBAKER 4-DOOR CHAMPION — 6-cyl, with straight shift — **\$595.00**
- 1955 BUICK SPECIAL 4-DOOR — Hardtop, and a real nice car — **\$695.00**
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JIM "CUZZ" GRAY

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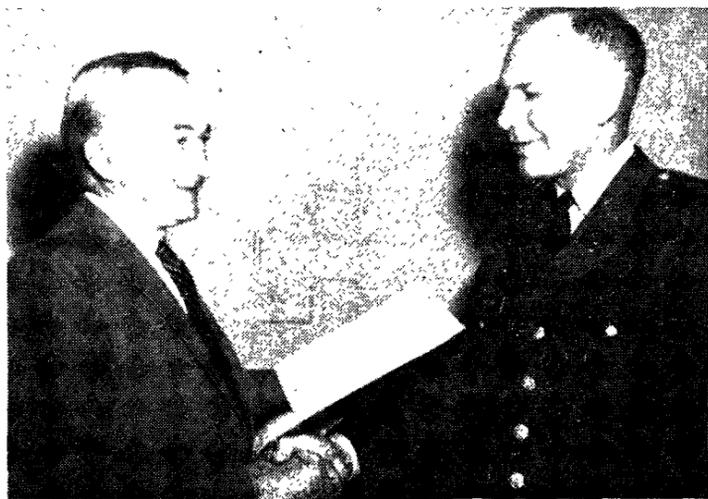
733 MADISON ST.
Ph. 536-9161

and

810 MADISON ST.
Ph. 539-8551



IMPROVES READING RATE—Mrs. Betty G. Dorman from the Directorate of Procurement and Production, is one of the students in the Improved reading class sponsored by the Training and Development Division of the Civilian Personnel Office. Mrs. Dorman is using a reading accelerator which forces her to read at a higher speed until it becomes her natural reading rate. When she finishes the article, she will be tested for comprehension.



33 YEARS IN GOVERNMENT SERVICE—A fond farewell was extended by fellow workers recently to B. T. McCrohan, Deputy Chief, Field Artillery and Anti-Tank Branch, Maintenance Division, Supply and Maintenance Directorate, Army Missile Command. McCrohan is retiring after 33 years of government service. A letter of appreciation signed by his office staff was presented to him. Lt. Col. C. A. Boterf, Chief, Maintenance Division, Supply and Maintenance Directorate, is shown extending his congratulations.

Improved Reading Helps Careerists

Getting the most is a must!

In line with career development the Civilian Personnel Office sponsors a reading improvement program. The course is conducted by Edwin Harris in the Training and Development Division.

Approximately 30 people have taken the course, most of them doubling their capacity to read and comprehend. The course lasts six weeks. At the end of every session, the individual is tested for comprehension.

John Hinkle, Chief of Training and Development Division, announced that at least one course will be conducted each quarter. The Training office is also investigating possibilities for a correspondence course for individuals who wish to increase their reading speed but will not have an opportunity to study in the classroom.

Students don't compete with one another but are pitted against themselves. No one is told the original speed or rate of quicker comprehension that another attains.

Scouts Form New Units In Council

Joining with the Boy Scouts in its Rocket Round-Up this fall thus far are 236 churches, synagogues, schools, and service clubs, it was announced by Col. Thomas W. Cooke of Redstone Arsenal, Chairman, in the Tennessee Valley Council, Boy Scouts of America.

The 236 organizations are sponsoring new units as one of its ways of helping boys. The new units will serve as "service stations" for the 634 new Scouts enrolled in them.

These institutions appoint the unit leaders, provide the meeting rooms, give administrative direction to their own Scouting units, and make them a part of their own youth program.

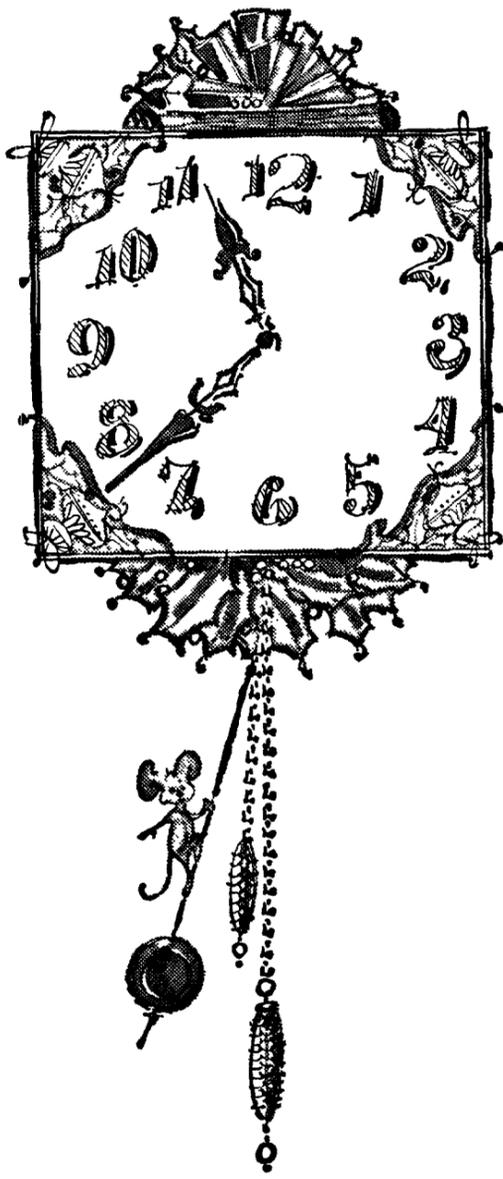
The Rocket Round-Up seeks to invite more boys into the game of Scouting so they can enjoy the fun, romance, and adventure it makes possible. Existing units have been adding new boys at a steady clip.

New units organized since the Rocket Round-Up began in September are: Troop 100, sponsored by the West Madison Junior High School, Madison, Ala., 12 boys. Explorer Post 100, sponsored by the West Madison Junior High School, Madison, 8 boys. Pack 156, sponsored by the William Hooper Council High School, Huntsville, 35 boys. Troop 156, sponsored by the William Hooper Council High School, Huntsville, 18 boys. Explorer Post 304, Monte Sano Methodist Church, Huntsville, 10 boys.

Troop 42, sponsored by the Bankhead Forest Industries, Incorporated, Grayson, Ala., 15 boys.

Pack 34, sponsored by the St. Paul's Lutheran Church, Cullman, Ala., 7 boys. Pack 321, sponsored by the Sacred Heart Catholic Church, Cullman, 9 boys.

Troop 57, sponsored by the Cherokee Alabama Junior Chamber of Commerce, 10 boys.



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