

# The Redstone Rocket

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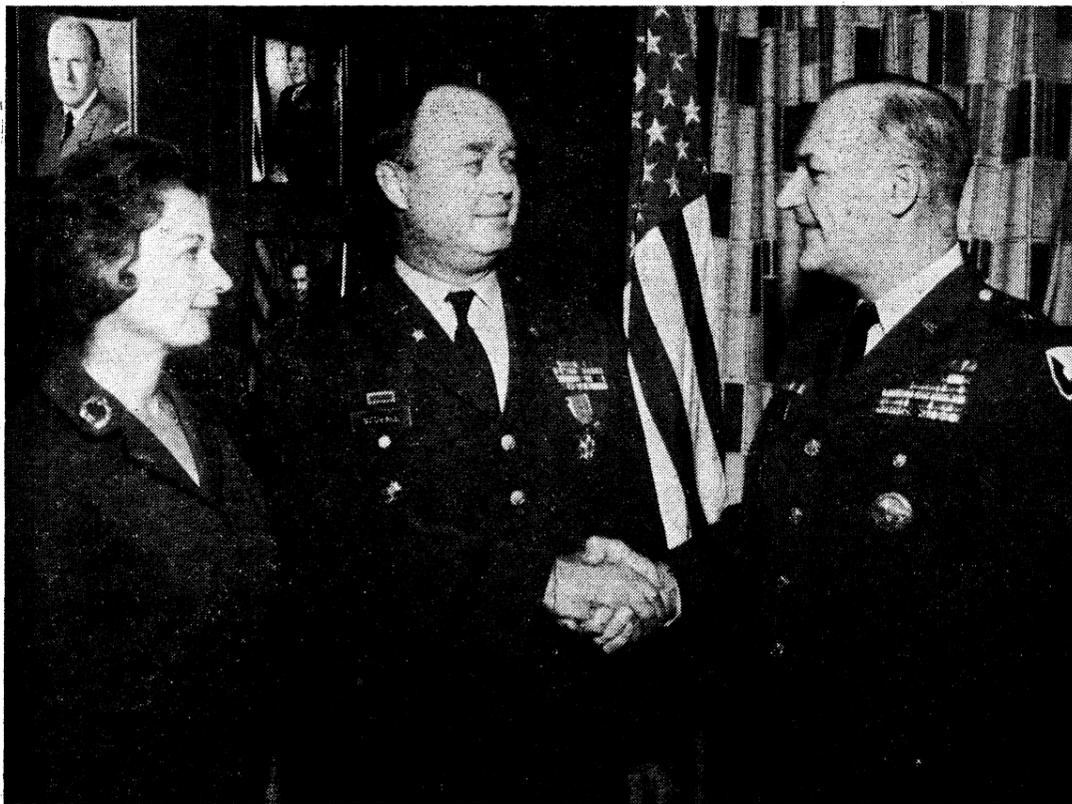
REDSTONE ARSENAL, HUNTSVILLE, ALABAMA 35809

NOVEMBER 20, 1968

Arsenal-Wide

Spot News

Dial 112



**WELL EARNED CONGRATULATIONS**—Col. Thomas L. Stovall, center, is congratulated by Brig. Gen. Mahlon E. Gates, Commanding General of the Sentinel Logistics Command, following presentation of the Legion of Merit awarded for four years of duty, 1964-68, in the Office of the Deputy Chief of Staff for Logistics, Headquarters, Department of the Army. Mrs. Stovall, left, attended the ceremony. The colonel is the SENLOG Director of Distribution and Transportation. The citation accompanying the medal notes Col. Stovall's display of competency, devotion and sense of urgency which enabled him to direct limited personnel and other resources available toward the successful completion of tasks which resulted in timely and adequate support of the war effort in Vietnam.

## Commanders Sign Charter To Support Mutual Policy

The Army's top military men at Redstone Arsenal and in neighboring Huntsville have approved a charter which supports the creation of a local council of Army commanders.

Under the charter, commanders of local Army elements will meet,

at least quarterly, to strengthen ties and to exchange ideas about areas of mutual interest.

Officially the new organization will be known as the Redstone Arsenal-Huntsville Army Commander's Council.

Maj. Gen. Charles W. Eifler, Commanding General of the Army Missile Command, is Council President.

Other members and their commands are: Brig. Gen. Ivey O. Drewry, Sentinel System Command; Brig. Gen. Mahlon E. Gates, Sentinel Logistics Command; Brig. Gen. Robert P. Young, Army Engineer Division, Huntsville; Col. Paul B. Schuppener, Army Missile and Munitions Center and School.

Also meeting with the Council were Brig. Gen. George H. McBride, Deputy Commanding General for Air Defense Systems at the Missile Command; Col. William F. Kaiser, MICOM Chief of Staff; Col. Robert H. Edger, Chief, (See CHARTER on Page 3)

## Missile Command Engineer Dies

Funeral services for Walter T. Harper, an Army Missile Command employee since 1960, were held Sunday at Maple Hill Cemetery.

Harper died at his home, 1701 Big Cove Road, last Saturday after a brief illness. He was 54.

At the time of his death, Harper was an engineer in the Research and Technology Office, Ground Support Equipment Laboratory, of the Missile Command's Research and Development Directorate.

A veteran of World War II, he was a native of Birmingham, where he graduated from Howard College, and was a Colonel in the Army Reserve.

(See ENGINEER on Page 3)

## Three Nations Schedule Visits Of Representatives

Three different nations will be represented during visits to Redstone Arsenal this week and next.

Largest delegation, and the first to come, is from Iran. Maj. Gen. Mahmoud Naimi-Rad, Supreme Commanders Staff; Maj. Gen. Nasrollah Khavandi, Imperial Iranian Ground Forces; Brig. Gen. Hooshang Safaie, Supreme Commanders Staff; Brig. Gen. Ali-Akbar Afrakhteh, Imperial Iranian Ground Forces; and Col. Eskandar Iravanlou, Imperial Iranian Ground Forces, arrived yesterday for a two day visit to the Army Missile Command. They will be briefed on missile systems and missions of the Command as part of a U.S.

wide logistical orientation.

The Parliamentary Secretary of State of the Federal Republic of Germany Ministry of Defense, will head a group of seven visitors scheduled to arrive today. Their tour will include training facilities at Redstone and visits with German military personnel and dependents at the Missile and Munitions Center and School.

A three day visit is set for next week by Brig. Gen. Federico Esteban Ascencion, Deputy Director Organization and Field Forces, Spanish Army. He heads a party of six which will be briefed on various Army missions, facilities and missile hardware.

## Physicists To Participate In National Conferences

Four physicists from the Army Missile Command's Research and Development Directorate will take part this month in national conferences.

Dr. Bobby D. Guenther will present a paper at the 14th Conference on Magnetism and Magnetic Materials in New York City. The meeting is sponsored by The In-

stitute of Electrical and Electronics Engineers and the American Institute of Physics. Cooperating in the conference are the Metallurgical Society, Office of Naval Research and The American Society for Testing and Materials.

This meeting is scheduled from Nov. 18 to the 21.

(See CONFERENCE on Page 3)

## Training Device Simulates Combat For Hawk Missile

An advanced Hawk Missile System training device that provides realistic simulated combat situations—eliminating the need for costly practice runs with actual targets—has been acquired by the U. S. Army.

Known as the Hawk Simulator System, the device was developed by Allied Devices Corporation, College Point, Long Island, N.Y., for the Hawk Project Office here. It was designed to provide constant and repetitive training on the Hawk weapons system without prohibitive costs.

The Hawk weapons system is a rocket-propelled ground-to-air missile for defense against low-altitude targets. The Hawk missile homes on target reflections from an illuminating radar on the ground. Ground-based radars initially locate targets, and a radar supplies target range to the tracking radars when they are jammed.

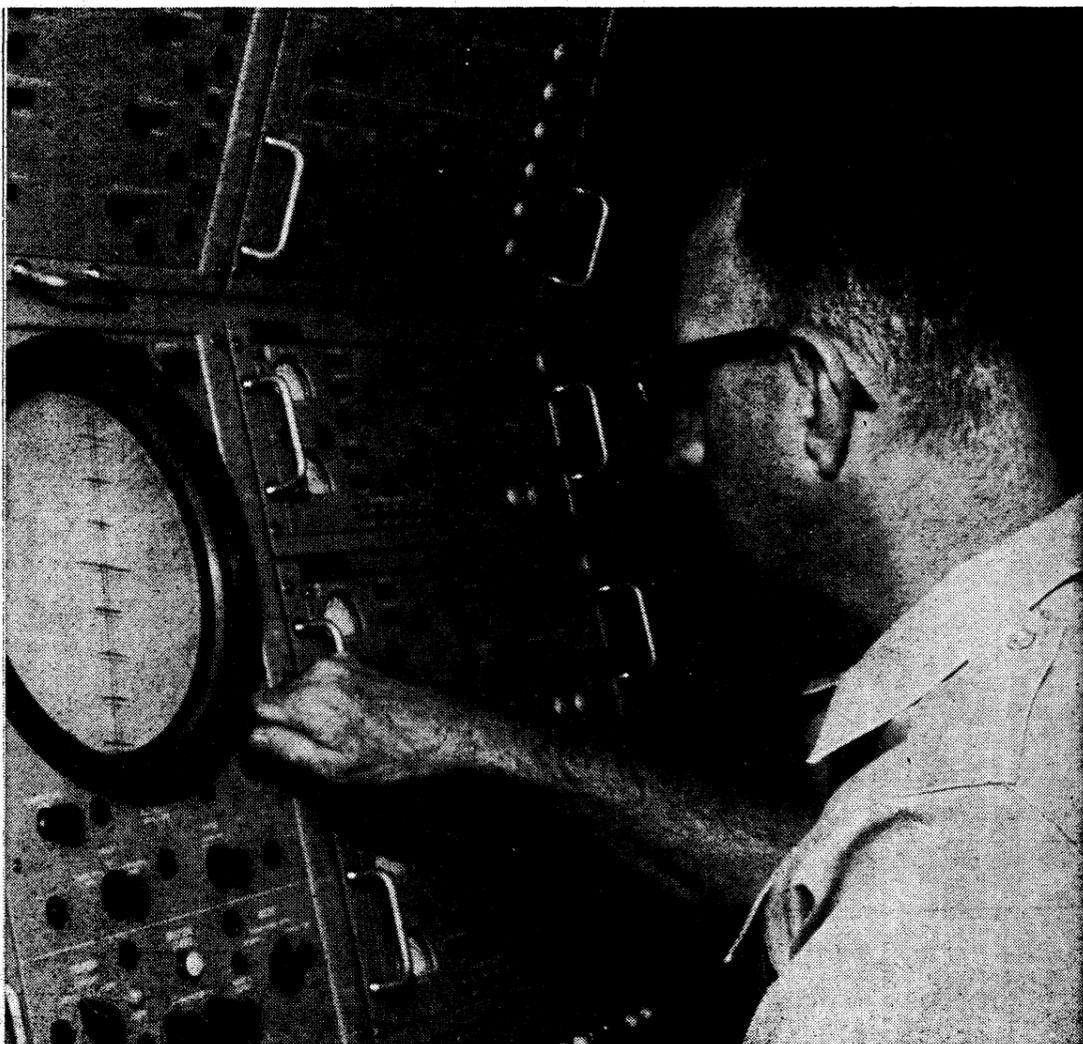
In the era of relatively simple weapons, large numbers of missiles—whether spears, arrows, or

bullets—could have been expended in training fighting men. Now the complexity and cost of weaponry prohibits this approach.

The simulator system provides a realistic combat situation for the Hawk ground-to-air, low-level defense missile system. The synthetic display of moving targets can be identified, tracked, fired upon and scored, completely electronically except for the firing of the actual missile—and this, too, is simulated.

Using the simulator, there need be no costly practice runs as such. The blip on the radar scope will not be considered an electronic "ghost," but a target to be tracked and destroyed in spite of its attempts to jam the scope presentations. When the missile burst is heard on the speaker and the target disappears, the only sensations missed by the soldier-trainee are the roar of the rockets at launch and the trail leading up into the sky.

The entire Hawk defense team (See HAWK on Page 3)



A soldier operates the Control console for the Hawk Simulator System, which provides training on the Hawk Weapons System through simulated combat situations.

## Bloodmobile Will Visit

The Red Cross Bloodmobile will visit the Arsenal twice this week. It is at Bldg. 7110 today between 8:30 a.m. and 2:30 p.m.

Friday the Bloodmobile will be at Bldg. 3711 between 11 a.m. and 4 p.m.

Mrs. F. T. Morano, 837-0159, is the coordinator for Volunteers and Mrs. J. M. Loomis, 881-9582, coordinates the Volunteer Nurses.

# 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., 35809 Bldg. 5250, Room A-136, Extension 876-1400 or 876-1500.

All advertising copy and payments therefor are received by Mrs. Vergie Robinson, P. O. Box 346, Huntsville, Ala., 35804, 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 off post for the Rocket are \$7.42 a year, or \$4.00 for six months, tax included. Mailing arrangements may be made with the publisher, P. O. Box 520, Huntsville, Ala. 35640.

## Rocket Ruminations

To be awake is to be alive.

Thoreau

## An American Tradition

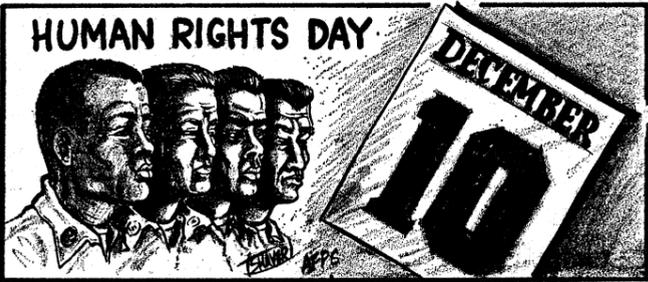
Twenty years ago the United Nations adopted the Universal Declaration of Human Rights that expresses man's deepest beliefs concerning the rights and dignity of every human being.

On Dec. 10, elaborate ceremonies at the United Nations Building in New York will commemorate the 20th anniversary of the approval of the Universal Declaration of Human Rights. This same day has been set aside as Human Rights Day in the United States.

Of course, human rights are not a new concept in this country. This nation was founded on the principles of individual rights and dignity.

Human rights are an American tradition, the threads of which are inextricably woven into the rugged fabric of our democracy and way of life.

In this land, which has served as a haven for the



downtrodden masses of the world for more than 300 years, can be found every race, creed and color of the world's population.

From every country in the world, the hungry, oppressed and disenchanted have flocked to our shores. They have helped carve and mold a great nation from a vast wilderness, realizing their fondest hopes and prospering to a degree never before known in the history of man.

Here, and here alone—despite what the critics and the gloom-merchants may proclaim—a man or woman has the opportunity to progress and prosper through **ability, initiative and hard work.**

America is still the land of opportunity, just as it has been for more than three centuries. Every man, woman and child still has the opportunity to **earn** the respect, admiration and acceptance of his fellow Americans and to climb as high on the economic ladder as his **ability** and his **tenacity** will take him.

Human Rights Day should serve as a time for every citizen to look carefully at his opportunities as an American—and to **honestly** evaluate how well he has used them. Every American can be thankful for living in a nation where individual rights, dignity and opportunity are a way of life. It should also serve as a time to re-dedicate ourselves to these principles and help insure them for all men everywhere. (AFPS)



REDEYE CONFERENCE—Col. John Covert (right), Redeye Project Manager, shows a training model of the Army's new shoulder-fired plane killer to Maj. J. A. Siler, Marine Corps Liaison Officer to the Army Missile Command. Occasion was the Redeye Project Management Meeting held here last week. The Missile Command manages the Redeye program for both the Army and Marine Corps who jointly funded weapon system development. Management meetings are held periodically to review program status and keep all members of the Redeye team abreast of current developments.

## Two Graduation Exercises To Be Held Same Week

Two graduations in less than a week are planned for the Army Missile and Munitions Center and School.

An estimated 250 missilemen, including Army officers and enlisted men, Marines, and soldiers from Germany, Korea, and Denmark, will graduate Nov. 22 and Nov. 27.

Col. Frank Schoen, deputy to the deputy commanding general, Land Combat Systems, Army Missile Command, will speak at the Nov. 22 ceremony.

Col. Raymond Hansotte, chief of the National Maintenance Point for the Missile Command's Supply and Maintenance Directorate, will speak at the Nov. 27 graduation.

A 1946 graduate of the U.S. Military Academy, Col. Schoen's last assignment was as a logistic staff officer with the U.S. European

Command, Stuttgart, Germany.

Col. Hansotte's last assignment was as director of supply for the XVIII Airborne Corps and Fort Bragg.

### TRANSPORTATION MEETING

The National Defense Transportation Association, Huntsville Chapter, will meet tomorrow at 6:30 p.m. at the Elk's Club on Franklin Street. Dr. Kenneth Johnson, president, Huntsville City Council, will be the speaker.

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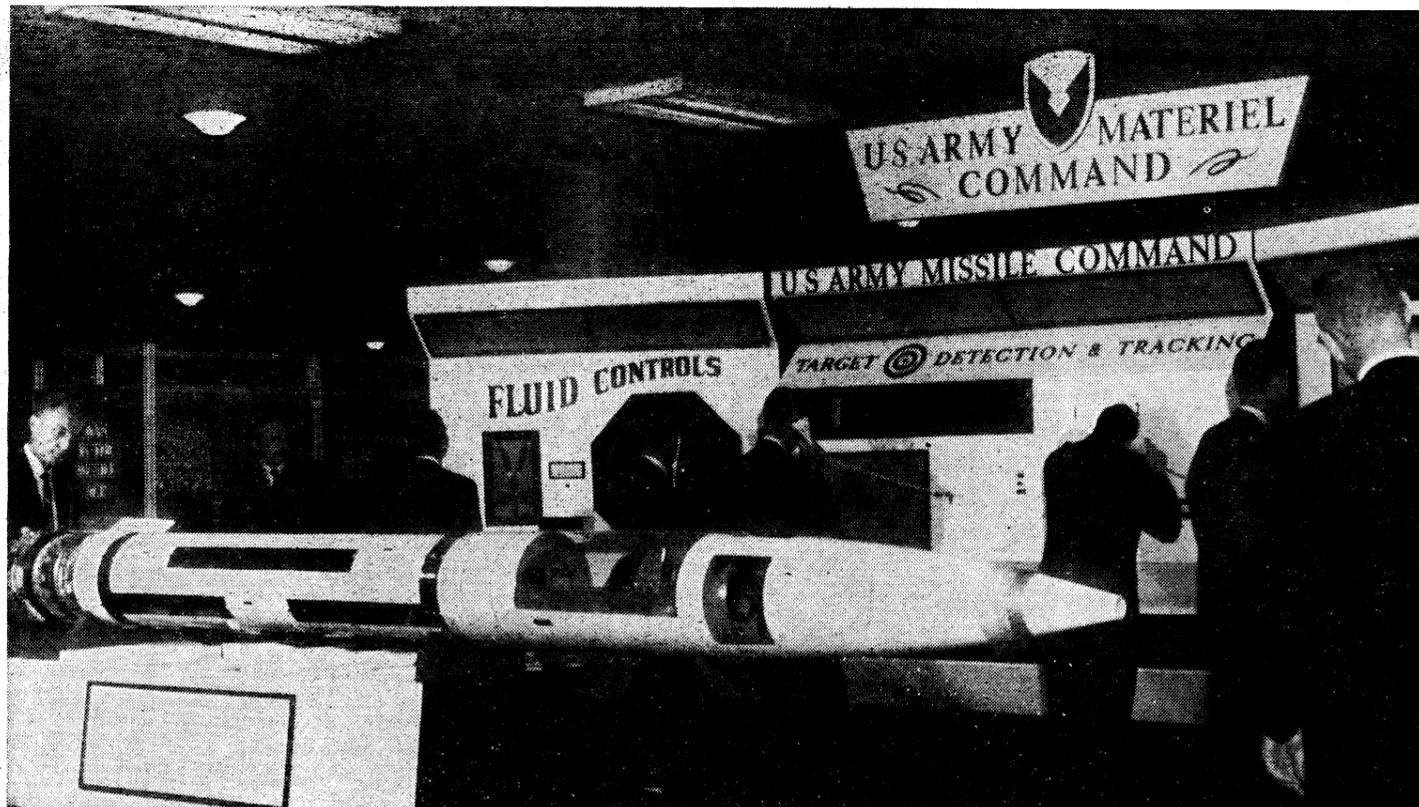
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## Delta's ready when you are!



**OUR NEW DISPLAY IN PENTAGON CONCOURSE**—A new U.S. Army Missile Command display was recently previewed in the concourse of the Pentagon. It features the Command's research and development capability and has audience participation devices illustrating weapons application of such scientific principles as fluidics and infrared. Slides, motion photography and a cutaway model of a Littlejohn modified to test a Fluidic control system round out the Army missile research and development theme.

An estimated 30,000 persons viewed the display in the Pentagon. It was designed by the Visual Arts and Presentations Division, Assistant for Communications, and constructed by the Exhibits Division, Assistant for Operations and Security, Directorate of Arsenal Support Operations, with personnel of the Research and Development Directorate lending technical advice and assistance. The new display will be scheduled by the MICOM Information Office.

## HAWK

(Continued From Page 1)

can play the problems out as they would a game so that when and if it becomes necessary to face an actual defense situation, crew action will be the repetition of familiar tasks.

The complete simulator is housed in a light-weight air-transportable shelter which can be moved quickly and easily either by helicopter or 2½ ton truck. The shelter can be loaded and moved as a unit, requiring only cabling and power connections to the Hawk system for operation.

Advanced transistorized and miniaturized circuit techniques reduce the size, weight and power requirements of the simulator.

The shelter contains two major consoles: a control console and a countermeasures console.

The control console is a desk-like unit containing the operating controls for introducing and controlling the synthetic targets produced by the simulator. A series of indicators are used to observe, monitor, and score the Hawk operating team during the running of a problem.

The countermeasures console contains the control necessary to introduce and regulate the various types of jamming devices and electronic countermeasures.

The simulator can supply a total of six individual targets. Each of these can be independently controlled. The simulated targets can be supplied in conjunction with a complete presentation, including typical ground clutter, or they can be injected into the normal Hawk radar presentations, while the operational radars are functioning, giving a mixed presentation of the operational Hawk radar display with synthetically produced targets superimposed.

The targets can be maneuvered at will during the problem and are automatically removed when the defense team scores a kill.

A wide variety of specialized jamming effects can also be injected into the radar displays, allowing great flexibility in training the Hawk defense team in electronic counter-counter measures and practice in seeing through jamming signals which might be carried by unfriendly targets.

ney for the Department of Labor in Birmingham and Atlanta. He was chief of the Legal Branches for the Corps of Engineers at Charleston, Tullahoma, and the Corps of Engineers, Mediterranean Division.

## CONFERENCE

(Continued From Page 1)

Taking part in the 1968 Fall Meeting of the American Physical Society, Miami, Fla., will be Dr. James F. Perkins, Dr. David W. Howgate and Dr. John D. Stettler, all of the Physical Science Laboratory.

Each will present a paper during the meeting which runs from Nov. 25-27.

## CHARTER

(Continued From Page 1)

Missile and Munitions Division, Combat Developments Command, Maintenance Agency; and Col. James W. Young, Chief, Army Air Defense Command Field Office.

The Council's objectives are:  
1) To prevent unwarranted duplication of services by jointly utilizing personnel and facilities, thereby promoting effectiveness and economy.

2) To establish a uniform policy in matters common to the different organizations where unity is essential.

3) To resolve problem areas on matters common to most of its members.

4) To consider technical, administrative and support areas where advancement may be effected in Army weapons or material.

Although meetings are scheduled quarterly, additional meetings may be arranged by members of the Council as required.

Christopher Columbus landed on San Salvador Island on Oct. 12, 1492.

## Troops Fire Three Pershing Missiles At White Sands

Operating under technical conditions troops of the U.S. Seventh Army and Federal Republic of Germany Air Force this month successfully fired three Pershing missiles from Gilson Butte, Utah, to White Sands Missile Range, N.M.

All three missiles impacted in a pre-determined area at the range. They closed out the fall firing sessions for the 400-mile-range missile.

The firings were both a test of the missile's performance when handled by troops in the field and annual service practice for the units involved.

U.S. troops fired the first two rounds on Nov. 5, with the German troops launching the final round on Nov. 13.

The program is expected to be renewed during the spring of 1969.

White Sands Missile Range provided technical support for the launches while the 2nd Battalion, 44th Artillery, Ft. Sill, Okla., provided general support.

The Pershing program is managed by Lt. Col. Edwin A. Rudd, Project Manager, from the Missile Command.

## ENGINEER

(Continued From Page 1)

Survivors, all of Huntsville, are his widow, Mrs. Elizabeth Harper; his son, Walter T. Harper III; two daughters, Mrs. Betty Jane Adcock and Mrs. Susan Garrison; one step-son, Arville L. Hipp III; his parents, Mr. and Mrs. Walter T. Harper Sr.; and one grandson.

## FEDERAL BAR TO MEET

The local chapter of the Federal Bar Association will hear John P. Jellico, Chairman, Corps of Engineers Board of Contract Appeals during lunch at the Redstone Officers Open Mess tomorrow at noon.

Jellico is no stranger to this area, having worked as an attor-

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# BOOK LAND

— THE MALL —



**ACCEPTS CHECK**—Maj. Gen. Charles W. Eifler, Commanding General of the U.S. Army Missile Command, accepts a check destined for the Army Distaff Foundation in Washington, D.C., from Mrs. R. P. Young, honorary chairman of the Harvest Ball. The Ball is sponsored by the Redstone Officers Wives Club annually to help the deserving at the Distaff Foundation and to add to the Wives Club scholarship fund. Presentation was made at the November lunch of the Wives Club.

## Wives Club Turns Over Check, Witnesses Wig Show At November Lunch

Approximately 300 women witnessed the presentation of a check to Maj. Gen. C. W. Eifler, Commanding General of the Army Missile Command, to be forwarded to the Army Distaff Foundation in Washington last week.

Mrs. R. P. Young, honorary chairman of the annual Harvest Ball sponsored by the Redstone Arsenal Officers Wives Club, made the presentation during the November luncheon at the Officers Open Mess. Profits from the Ball were divided among the scholarship fund, welfare fund, and the Distaff Foundation.

In addition, a program on wigs, complete with lecture on the care and choosing the proper wig, was presented. Many of the wigs were modelled by members of the club.

The chairman for the event was Mrs. John G. Redmon assisted by Mrs. E. A. Rudd, Mrs. A. G. Lange, Jr., handled reservations; Mrs. R. J. Proudfoot, menu; Mrs. K. C. Van Auken, Mrs. Maurice Pettit,

Mrs. Leslie Nicholson, Mrs. R. M. Covert, Mrs. Frank Schoen, Mrs. R. W. Huntzinger, and Mrs. F. M. Matthews all assisted.

Mrs. Warren Miller, Mrs. James Boros, Mrs. Milton A. Sulkowski, Mrs. Chester L. Foster, Jr., and Mrs. William E. Gelhaar served at the punch table.

## School Wives To Study Decorations

Home Christmas decorations will be the topic at the Missile and Munitions Center and School Officers Wives Club brunch scheduled Tuesday at 10 a.m. in the Redstone Officers Open Mess.

Mrs. J. L. Keown, 881-6252, will explain the rules for the best in home Christmas decorations. She will also describe the prizes to be awarded for the best entries.

The hostesses for the brunch, are Mrs. J. L. Keown, School Brigade; Mrs. R. D. Funke, Doctrine and New Materiel; and Mrs. J. B. Lavaas, Commandant's Office. Reservations must be in by November 22nd and cancellations by noon of November 25th. Both of these will be handled by Mrs. S. R. Canary, School Brigade, 837-5919.

### TO TOUR HUNTSVILLE

The Service Club has scheduled a tour of Huntsville, Saturday, for enlisted men.

Among the many places the group will visit are Research Park, The University of Alabama, Madison County Court House, City Hall, Church of the Nativity, Big Springs Park, The Spite House and other Ante Bellum buildings.

The tour bus will leave the Service Club at 10 o'clock Saturday morning and return at 4:30. A picnic lunch will be served at one of the many parks.

## NCO Wives Plan Charity Programs

The Redstone Non-Commissioned Officers Wives Club is making arrangements to give baskets of groceries to two needy Huntsville families for Thanksgiving it was announced by Mrs. Bradley Reynolds of the welfare committee during the club's business meeting Nov. 11 at the NCO Open Mess.

The group also voted to donate \$50 for toys for the Rocket Nursery on Redstone Arsenal.

Twelve new members were present for the meeting.

Mrs. E. D. Powell, the chairman for the club's bazaar on Nov. 29 and 30 and Dec. 4 at the NCO Open Mess is asking members to help at the bazaar. Those who plan to assist should call her at 852-0383. All proceeds from the bazaar will go for the club's charity projects.

The club's social meeting will be a Bavarian buffet at 7 p.m. tomorrow in the Open Mess. The hostesses are Mrs. Alvin Welch, Mrs. James Russell and Mrs. Robert Hindman.

### SUNDAY MUSICAL

"The Sons and Lovers," a young musical group from Knoxville, will entertain Enlisted Men at the Service Club on Sunday at 8 o'clock.

All of this versatile group of young men and women sing and play all musical instruments in addition to doing comedy acts. They are returning by popular demand.

## New Arrivals

SGT. and Mrs. James J. Betterton, daughter, Kimberly Ann, Nov. 9.

SSG. and Mrs. Gary H. Addams, son, Barry Franklin, Nov. 10.

SSG and Mrs. William J. Arnold, daughter, Victoria Lynn, Nov. 11.

PVT. and Mrs. Robert L. Newman, son, Timothy Wydell, Nov. 11.

SP4 and Mrs. Joseph L. Petrone, son, Mark Joseph, Nov. 12.

SP4 and Mrs. Dennis C. Schlegel, daughter, Stacy Kristina, Nov. 12.

SP5 and Mrs. Richard A. Taylor, son, Shohn Russell, Nov. 12.

CPT and Mrs. David E. Sanderson, son, David Christopher, Oct. 31.

SP5 and Mrs. Philip A. Culbert, daughter, Kim Leann, Nov. 1.

A1C and Mrs. Clyde J. Perkins, daughter, Tina Nyoka, Nov. 1.

SP4 and Mrs. Allen L. Salmela, daughter, Myja Lisa, Nov. 1.

2LT and Mrs. Patrick I. Murphy, daughter, Shannon Alle, Nov. 6.

SGT (Ret.) and Mrs. Clarence Driggers, daughter, Elizabeth Lee, Nov. 7.

1LT and Mrs. James H. West, son, Loren Andrew, Nov. 8.

### Theatre Schedule

THURS.-FRI. Nov. 21-22

"The Secret War of Harry Frigg" (F)

SAT., Nov. 23

"Ski Fever" (F)

SUN.-MON., Nov. 24-25

"For Love of Ivy" (M)

INCREASED ADMISSION: adults 50c, children 25c.

TUES., Nov. 26

"He Who Rides a Tiger" (M)

Two shows nightly at 8:00 and 8:30 p.m. Sunday Matinee at 2:00 p.m.



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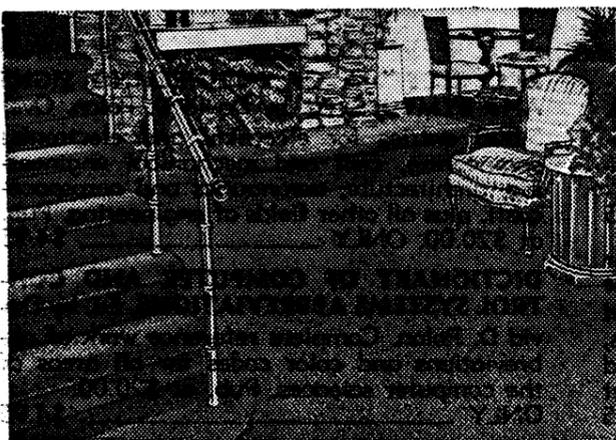
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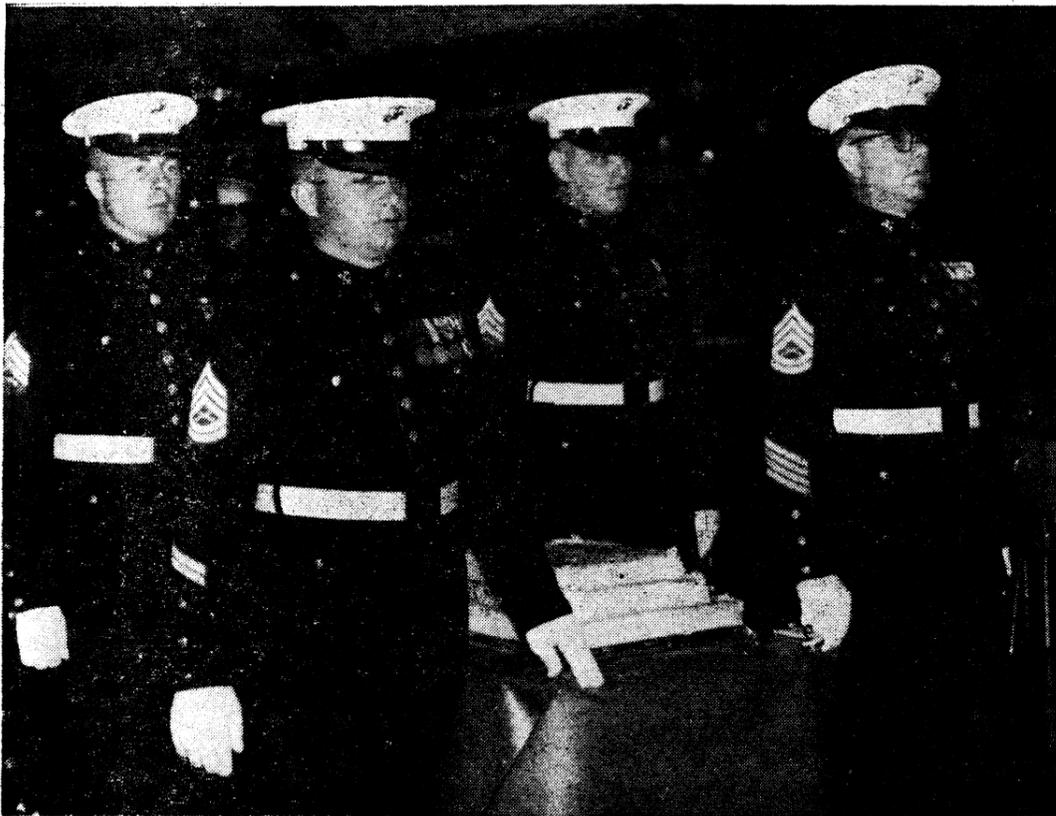


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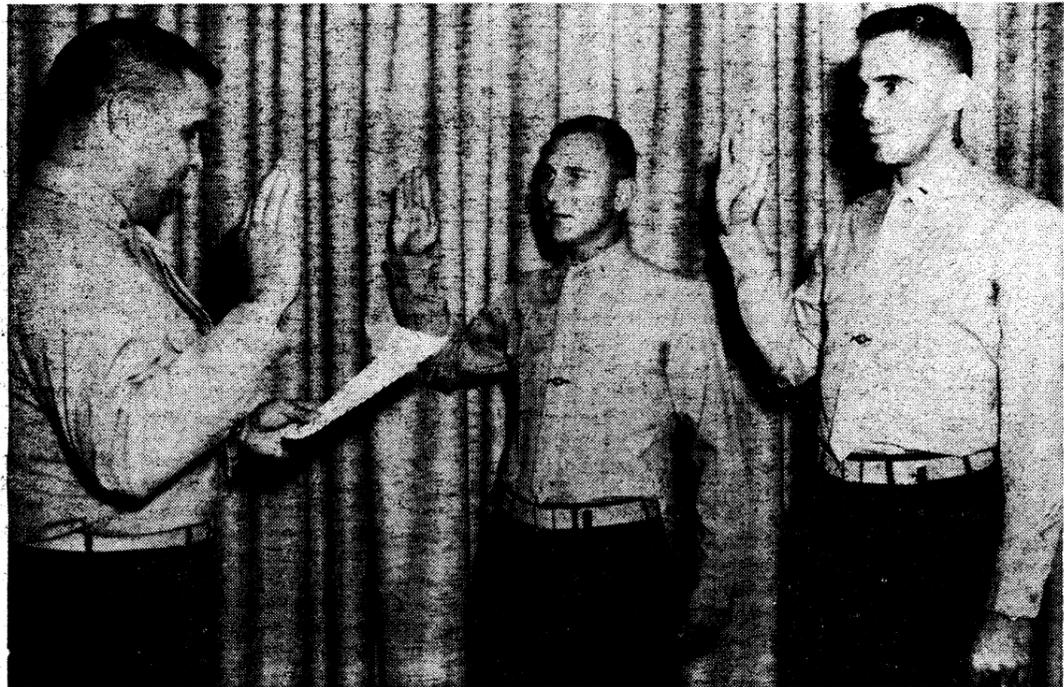
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**HAPPY ANNIVERSARY**—The U.S. Marine Corps celebrated its 193rd anniversary Nov. 9, and the Marine Training Detachment at the Army Missile and Munitions Center and School observed it by holding two celebrations—one at the enlisted men's annex and one at the Redstone Officer's Open Mess. This massive birthday cake, rolled in by an honor guard, was sliced with a sabre as one of the evening's highlights.



**REDSTONE MARINES RECEIVE COMMISSIONS**—Stephen A. Sandwich, center, and James A. Belfiore, right, take the oath commissioning them as second lieutenants in the U.S. Marine Corps. Administering the oath is Maj. J. A. Siler, Marine Corps Liaison Officer to the Army Missile Command, Redstone Arsenal. The promotions were under the Marine Corps Outstanding Staff Non-Commissioned Officers Leadership Program.

## Lance Missile Officer Addresses Three Classes

A British missileman gave a lively address to the three graduating classes of Redstone Arsenal's Army Missile and Munitions Center and School Friday.

Lt. Col. J. R. A. Smith, an exchange officer with the Army Missile Command's Lance missile project, assured the 53 graduates that his presence "in no way represents an attempt at a British takeover of MMCS."

Since the graduating classes included students from Greece, Korea, and Malaysia, Col. Smith quipped that he was there "to show the foreign students that English is still spoken in Alabama, U.S.A."

Speaking in a more serious vein, he told the graduates that "the part you play and the contributions you make, no matter how small, are very important in the technological world of today."

"We will never reach the stage where we have too many people technically qualified," he continued, urging the graduates to tell their friends about MMCS.

The 55th Army band, which prides itself on never repeating a graduation concert, had a special number for the two Koreans in the graduating classes.

CWO Dewitt H. Mytinger, band leader, scored a special arrangement of an ancient Korean folk



**LT. COL. J. R. A. SMITH**

tune for the Asian graduates.

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# Third Battalion Halts MICOM Winning Streak

## Buc Defense Throttles Marauder Attack, 13-6

Just when it was beginning to look like a cut and dried affair for the Missile Command in the Redstone Arsenal football league race, along came the Third Battalion with a pretty strong claim of its own.

The Buccaneers made their claim stand up for a 13-6 win over the previously unbeaten Marauders last Saturday to move within a half game of the front-runners.

On Friday evening the First Battalion Grizzlies edged the Unit Training Command Bulldogs by virtue of a successful conversion, 16-14, after the First had dropped a 23-20 nod to the Second Battalion on a last minute field goal on the previous week end.

The normally hard hitting Marauder attack was never able to get started against the rugged defense thrown up by a Buccaneer corps that made only one slip. That came late in the third quarter when Bill Madeya hit Ray Smith with a 40 yard scoring aerial.

Al Robinson had put the Bucs on the scoreboard with a scoring jaunt that covered 60 yards midway in the second quarter and Gene Cagle kicked the extra point that proved to be the winning point.

The Third added little insurance in the final quarter, when Chuck Eden scored from 12 yards out.

A pair of brilliant quarterbacks were on display in the First-UTC encounter with Norm Hemmelright getting the nod from Parris McGhee.

McGhee directed the Bulldogs over a 68 yard drive early in the second period covering the final three yards himself on a keeper. The field general used the same play on the conversion to give an 8-0 lead.

The lead was shortlived, however, as Hemmelright engineered a 59-yard sustained march that was concluded when the quarterback rolled out on the option and raced 15 yards for the score.

Spencer took a handoff and dove over tackle for the conversion to tie the score.

The Grizzlies moved out front in the third stanza on another sustained drive, this time covering 74 yards. Hemmelright put the points on the scoreboard with a pass to Jeff Deverna covering 33 yards and once more Spencer added the two point conversion.

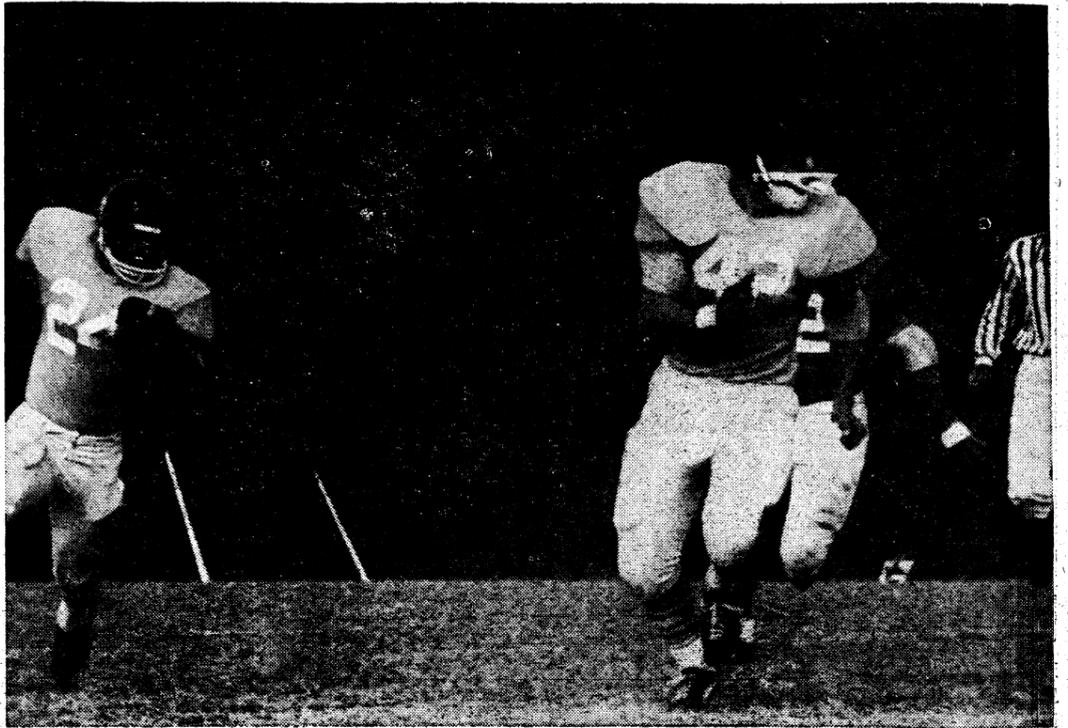
McGhee got the UTC attack rolling late in the quarter and on the first play of the final period he found Tom Walker open in the end zone for the score. However, the First line rose up and dropped McGhee short on the extra point try.

Chuck Watts was the hero of the Second Battalion's win over the First with a field goal from 16 yards away with 20 seconds left on the clock.

Prior to that the Volunteers had scored twice on long runs by Jim Lewis, one of them covering 65 yards, and the Grizzlies retaliated with a pair of scoring forays by John Spencer.

Carswell scored the other Grizzly six-pointer while Roger Coleman took a pass from Tom Reavis to complete an 80-yard scoring play for the Vols.

Spencer's second touchdown was scored with two minutes to go and Hemmelright made it a tie game with a two-point conversion. But the Vols came right back following the kickoff and drove from their own 20 to the 16 where Watts applied the crusher to the Grizzlies.



OFF TO THE RACES—Al Robinson, the Third Battalion speedster, heads for the open field behind a wall of blockers. Robinson raced 60 yards for a touchdown that helped the Buccaneers upset the previously unbeaten Missile Command Marauders last week. Chuck Eden, who led the blocking on this play, turned ball carrier later himself and scored the other Third touchdown in a 13-6 win.

### Dooley Is Top Scorer—

## ICO Opens Title Defense With Win

ICO got off to a running start in defense of the Civilian Welfare Fund basketball title last week with a smashing 95-33 win over the Corps of Engineers.

The 12-team civilian cage loop opened the 1968-69 season with a triple header at the Scruggs St. Community Center on Tuesday and another three games at the Joe Bradley School gym on Friday.

The defending champions from the Procurement and Production Directorate lost little time in stamping themselves as the team to beat by setting a new team scoring record for the league, in the final Friday game.

Engineering Quality Analysis opened the Bradley half of the weekly schedule with a 51-41 win over SAM-D and the Metrology Lab scored a convincing 62-30 win over Supply and Maintenance in the middle game.

Data Processing Office was the first winner of the season after scoring a 59-43 win over Sentinel in the Tuesday opener. The Missile Intelligence Directorate made their league debut with a 60-45 win over the G&C Lab, and Finance & Accounting returned to the league with a 48-40 win over Procurement and Production.

Greg Bogue, the league scoring leader for the past two years, led the hot-shooting ICO five to their impressive debut with a 30 point spree. Bogue hit on eight of ten shots and scored 18 points in the first eight minutes of play.

After that Vandy Cobb took over and totaled 18 for the evening. Jim Bunnell had 13 while Bob Hubbard and Les Mullinex collected an even dozen apiece. Don Fitzgerald topped the Engineers with 13.

Quality Analysis built a 26-13 half time lead over SAM-D but had

out of three while Marshall Space Flight Center and Lockheed each dropped three in a row.

to put down a late rally before subduing the Missilemen. SAM-D cut the deficit to four points with two minutes to play before QA put on the stopper.

Wood topped QA in scoring with 12 and Dickerson added 11 more while Jack Bissinger accounted for ten of the SAM-D points.

The Metrology Lab got off to an early lead against S&M and added to the margin the rest of the way behind the 20-point lead of Orville Lee. Bob Price pitched in 16 more while Hall topped the S&M scorers with 12.

Bill Bentley racked up 20 points in the first half and 24 over the complete game in leading DPO to their win over Sentinel. Bill Largent hit for 12 more while Floyd King and Lee Martina collected

ten apiece for the losers. Jerry Dooley put on a one-man scoring show for the G&C five with 35 points but it wasn't enough to match the well-rounded scoring of the MID five.

Dave Powell topped Missile Intelligence in scoring with 19 and Mel Thomas added 16 more.

The final game on the opening night card was a nip and tuck affair all the way with the Accountants pulling away at the end for their win. The score was tied on ten occasions and the lead changed hands twelve times.

Elliott Agee was the leading point producer for F&A with 22 and Danny Franklin backed him up with 11 more. Allen and Williams divided the honors for P&P with 11 apiece.

## SFC Kyle Heads New Rod And Gun Club Slate

The Redstone Rod and Gun Club, in existence for three years, has just undergone a major reorganization with new officers elected from the Army Missile and Munitions Center and School (MMCS).

Sgt. 1st Class William Kyle is the new president, Comm. Sgt. Maj. William Ansick vice-president, Capt. Edward Emilia secretary, and Staff Sgt. Jackie McCarty treasurer.

Sgts. Kyle and McCarty are instructors on the Pershing missile system assigned to Company D of the School Brigade, and Capt. Emilia is commanding officer of Company D. Sgt. Maj. Ansick is command sergeant major of MMCS.

Membership in the Rod and Gun Club is open to all active and retired military and their dependents (16 and older), disabled veterans and civil service employees on the Arsenal. Annual dues are \$5.

"The club is dedicated to furthering the cause of conservation and to promoting hunting and fishing activities on Redstone, and in surrounding communities, with an accent on relationships with the civilian population.

Outings are sponsored, and fishing rodeos. A turkey shoot is

planned in late November. Equipment is available for in-expensive rental. Planting grain and assisting in field repairs have been past projects.

A skeet and trap range is in the offing, and future plans call for construction of an indoor pistol range.

The group, which opens its club house every Wednesday night for informal gathering, also hopes to establish a catalog and sales store for convenient purchasing by its members.

Right now the main emphasis is on a membership drive. "There is plenty of work to be done," says Sgt. Kyle. Presently the Redstone roll numbers about 100. Anyone interested in joining can contact Sgt. Kyle at 837-5928.

## MICOM Gals Face Strong GE Sextet

The Missile Command girl's basketball team will face a stern test next Monday evening when they tangle with General Electric in a Huntsville Industrial league game at the Joe Bradley School gym.

The MICOM-GE encounter is scheduled for 5:45 and will be followed by a duel between IBM and Boeing.

Despite an early season loss to Boeing, the GE girls, led by the high scoring Peggy Clark, remain as the favorites to capture the league crown. They have split even in two games the same as the MICOM team.

Boeing leads the league race after three weeks with three straight victories while the defending champion-IBM six has come out on top in two encounters.

Space Craft, winners over MICOM two weeks ago, has won two

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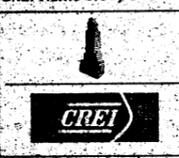
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**TURKEY SHOOT THIS WEEKEND**—Three officers of the Redstone Rod and Gun Club get a grip on one of the prizes that will be offered this weekend in a turkey shoot at the small bore range on post. Shotguns will blast away from eleven to five on Saturday and again on Sunday from one until five at one dollar targets for the turkey and cash prizes. The club officers who are putting in their claim early are, SFC Louis Demichele, Capt. Edward Emilia and SFC William Kyle.

## Rod, Gun Club Sponsors Weekend Turkey Shoot

Grab a shotgun, close your eyes, pull the trigger . . . and you might take home Thanksgiving dinner as a result.

The Redstone Rod and Gun Club is sponsoring a turkey shoot this weekend on the small bore range, located out behind the enlisted men's swimming pool.

Targets are a buck apiece and a turkey will be given for each firing order. If you don't need the Thanksgiving bird, then winners can claim a specified cash prize. Gun barrel length for the big

event will be limited to 26 inches or less, although an unlimited match will be held for those who bring their own "long toms" or special loads. Participants may use their own shotgun, or those provided by the Rod and Gun Club. Ammunition will be furnished by the hosting Redstone group.

There will be plenty of food and refreshments on sale at the range, including barbeque chicken and hot dogs, and door prizes will be awarded at the end of each day's shooting.

This is one of several events planned by the Redstone Rod and Gun enthusiasts as they overhaul their complete program. New officers were recently elected and the club is stepping up its activities to promote the cause of conservation, hunting and fishing on Redstone Arsenal and throughout the Tennessee Valley area.

Firing for the turkey shoot begins at 11 a.m. on Saturday and 1 p.m. Sunday and continues through 5 p.m. both days.

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## Army Athletes Claim Olympic Gold Medals

The greatest United States team in Olympic history. This is what many sport "experts" have called the squad that represented America in the recent Olympic Games in Mexico City.

US men and women monopolized the games as no other country has ever done. The US won more gold medals, 46, than any team in history.

Capt. Mel Pender and 1st LT. Gary Anderson are among the "new" gold medal recipients as they sparked the Armed Forces part of the team that won the plaudits of the Mexican audience and the world with their remarkable performances.

Pender, who is stationed at Ft. McArthur, Calif., was a member of the 400-meter relay team that established a world record of 38.2 seconds.

Anderson, from Ft. Benning, Ga., won the free rifle competition with a record-setting performance.

Two Army members of the undefeated US basketball team also came home with gold medals. They are Capt. Michael B. Silliman, Eighth US Army, and SP4 John R. Clawson, Presidio of San Francisco, Calif.

Clawson, who completed his military obligation recently, has signed a pro basketball contract with the Oakland Oaks of the American Basketball Association.

First Lt. John W. Writer, Ft. Benning, won a silver medal in the small bore rifle event. Pvt. James C. Wofford, Ft. Dix, N.J.,

was a member of the equestrian team that finished second.

Three members of the Armed Forces won bronze medals for their accomplishments in Mexico. They are Sgt. James R. Wallington, Ft. Bragg, N.C., in boxing; SP4 Thomas F. Farrell, Ft. MacArthur, Calif., in the 800-meter run; and Pvt. William P. Maher, Ft. Benjamin Harrison, Ind., in the double sculls, rowing.

For the Army members of the team, they will long remember Mexico City and the '68 Olympics. They were part of the greatest US team in the games' history and they were an indispensable part of the squad.

## Gill Is Top AMC Gunner With 589

A slow start denied Dick Gill a place on the AMC League's Honor Roll last week but the T-Bird star outscored all of his league rivals to win scoring honors with a 589 count.

Gill put together games of 201 and 209 after an opening 179 in leading the Birds to a 3 to 1 win over the Spartans.

Joe Powell wasn't far behind with a 577 and Floyd Clark pitched in with 559 more as the Voyagers gained the same winning margin at the expense of the Rejectors. The winners turned in games of 1024 and 1056 in posting a 3028 team total.

The Bombers continued to roll along with another 3 to 1 win, this time at the expense of the Metro-Cals, as Jerry Keagy had a 545 total and Eulas Gilbert shot a 241 game. Jim Brewer turned in a 553 effort in the losing cause.

The Winners took over sole possession of second by splitting with the Raiders as Mike Cooper hit for 564. The Avengers lost their share of the runner up slot in dropping a trio to the Jim Kyzer-led Sprinters.

Karl Bayer outscored Willy Wiggins 566 to 545 in an individual duel as the Alley Cats won three from the Bandits, the Travellers topped the Tigers and the Lancers added to the All-Sports' woes with another setback.

Freedom Shares are now available as Christmas gifts — when bought in combination with U.S. Savings Bonds.

## McCormack Makes Honor Roll Count

Ray McCormack started slow but picked up a full head of steam about half way through his three game set in the Comp Center Mixed League last week and when he was through he had swept 637 ten pins from the lanes.

The Lucky Strike ace had a 179 opener, warmed up with a 213 in the middle and closed out his string with a rousing 245 as the Strikes swept all four points from the Analogs to take over the second rung of the standings.

The front-running Spares got the same mileage out of a 544 total rolled by Howard Jess in subduing the Strike Outs. The shutout kept the Spares four points ahead of the pack.

In other matches Joe Bennett shot a 542 as the Skunks split with the Bottlenecks, the Fortren Fours took three out of four from the Bad Gnu's and the Jinx won three from the Jesters.

## Unit Level Flag Football THE STANDINGS

	W	L
D Company	9	1
1st-4th ETC	9	2
200th Ord	7	2
C Company	8	3
6th ETC	5	4
9th ETC	5	4
SOC/HHC	4	5
8th ETC	4	5
5th-7th ETC	4	6
A Company	3	7
3rd ETC	2	6
2nd ETC	2	8
B Company	0	9

### Games Played Last Week

D Co-27—5th-7th-6  
1st-4th ETC-14—A Co-0  
C Co-1—2nd ETC-0  
9th ETC-12—SOC/HHC-0  
200th Ord-1—8th ETC-0  
1st-4th-27—C Co-14  
5th-7th-24—B Co-0  
D Co-12—A Company-0

### This Week's Schedule

**Tonite**  
5:30—2nd ETC vs. SOC/HHC  
6:30—8th ETC vs. 6th ETC  
**Monday, November 25**  
5:30—A Co vs. B Co  
6:45—D Co vs. 200th Ord  
8:00—1st-4th vs. SOC/HHC  
**Tuesday, November 26**  
5:30—5th-7th vs. 9th ETC  
6:30—2nd ETC vs. 8th ETC

## Bombers Protect Mixed Loop Lead

Don Vanderheyden was the whole show in the RSA Officers Mixed League at the Post Lanes last week when he swept 596 maple ten pins into the pits as the Bombers protected their hold on the league lead.

The high-scoring Bomber included a 225 game in his near Honor Roll total and his Bomber-mates added enough more to win six and a half points from the Boosters.

The runner up Hi Counts did manage to cut a half point off their deficit by winning seven-out of nine from the D-Yanks, the Boll Weevils took eight from the Pin Droppers and the Redstones put together a six to three margin over the Spurts.

Jim Prewett turned in a 566 card and Louise Martin accounted for 510 more sticks in the Hi Count attack while Ralph Nearhoof paced the Redstones with 529.

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# Advanced Training Lures Fifty-Two To Class Room

Fifty-two Redstone personnel, including the Missile Command's Chief of Staff, left their normal duty stations this week to attend advanced training courses and management seminars being offered at service schools and leading colleges located in eight states across the country.

The local personnel will be away from their assignments for periods ranging from three days to five weeks under the Command's career development program administered by the Training and Development Division of Civilian Personnel.

Col. W. F. Kaiser is spending the week at Ft. Lee, Va., where he is attending classes at the Army Logistics Management Center. The Chief of Staff is enrolled for Executive Systems Development along with Ernest Charlton (Red-eye), Edward Smock (Hercules) and

V. V. Robertson (P&P). Sixteen other locals are at Ft. Lee for advanced training in their individual career fields.

Ruby Peter, Daniel Jones and Russell Bergmann (of S&M) are taking the Defense Inventory Management course while A. G. Bogel (Shillelagh), R. L. Reeder (S&M) and Edward Gilgenast (ADCCS) are enrolled for the Army Test & Evaluation course.

Seven employees of the Procurement & Production Directorate will be at the Virginia facility for five weeks for Defense Procurement Management.

They are Lavelle Autry, Edward Lewis, Rebecca Wilson, Deloris Mitchell, Thurman Spangler, Peggy Rousseau, and Lewis Rasmusen.

Nine others went to Rock Island, Ill., for training at the Army Management Engineering Training Agency. Of these, Kelly Prady and Austin Couch (P&P) will be there for three days for New Organizational Concepts for Top Management.

William Billingsley (Metrology) is taking Inspection Planning, James Brazelton (P&P) and Melvin Bachman (Msl Intel) are enrolled for Operations Research Appreciation, Sylvia Weyandt (DASO) and Ray Wernle (Metrology) are studying Techniques of Managerial Communications, and Hoyt Miller and Jack Childs ((S&M) are entered in the Work Methods Appreciation class.

Steve Smith (R&D) is at Dugway Proving Ground, Utah, for CBR Weapons Orientation, Curtis Clark (DASO) is studying Military Accounting at the Finance School, Ft. Benjamin Harrison, Ind., and Charles Jackson (MMCS) is taking TV Applications at the Missile and Munitions School here at Redstone.

Another six are attending the Introductory Safety course at the AMC Field Safety Agency, Charlestown, Ind. They are Harmon Dodson and Charles Ballard (MMCS), Frank Kontovich and Thelma Pendergrass (VAAP), and Robert Ingle and Ralph Dunn (ATLAS).

Roger Stephens (Msl Intel) is at Sandia Base, N.M., for the Nuclear Weapons Orientation, and Billy Sandlin (Msl Intel) is attending the Tenth Liquid Propulsion Symposium at Las Vegas, Nev.

The remaining twelve are spending the week on the Norman, Okla., campus of the University of Oklahoma. Four of them are enrolled for National Income Analysis. They are, Donal Jackson (SENSC), Omar



**ARMY WAS THERE**—The Army Missile Command's Col. Charles L. Beaudry represented the Army at a recent reception for the new commander of Vandenberg Air Force Base, Maj. Gen. Paul K. Carlton. Left to right are Mrs. William L. Landreth and Commander Landreth, Mrs. Beaudry, Col. Beaudry, Mrs. Clifford J. Kronauer and Brig. Gen. Kronauer, and Mrs. Carlton and Gen. Carlton. Col. Beaudry is Chief of the Army Field Office at Vandenberg. Gen. Kronauer is Commander of the Air Force Western Test Range there and Commander Landreth is Pacific Missile Range Liaison Officer.

## Value Engineering Seminar Set For Top Management

A nine hour Value Engineering Seminar will be conducted at Redstone Arsenal in December according to the Training and Development Division of the Civilian Personnel Office.

The Seminar will be conducted two times. The first session will start Dec. 3.

The seminar is designed to provide top level executives within the government with a basic understanding of the true benefits to be obtained from a well-executed value engineering program.

Arrangements have been made with the U.S. Army Management Engineering Training Agency (AM-ETA) to conduct the course here to reduce the cost to the Government and to make the course more convenient for Arsenal employees and for employees of other government installations located in the Southeastern United States.

Personnel selected to attend the seminar should be from every major organization and functional specialty to include: Project/Commod

Norris (Hawk), William Marr (C&DP), and Clifford Coulter (R&D).

The others are studying Administrative Problems in Human Behavior. They are, James Richard, Billy Pales, Wilmer Steinhauser, and Darrell Albert (Msl Intel), William McBride (Mgt Sc), Luther Smith (Pershing), Ernest Young (Hawk) and John Daly (Shillelagh).

personnel. The seminars are scheduled as follows: Class 69-1 from 9-4 Dec. 3 and 9 a.m.-12 noon, Dec. 4; Class 69-2 from 1-4 p.m. Dec. 4 and 9 a.m. to 4 p.m. Dec 5.

Additional information on course and availability of spaces may be obtained from Ethel Morris, Training and Development Division, 876-5850.

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# Model Maker Prepares For German Competition

A childhood passion for a World War I German biplane blossomed into a hobby which currently has Theodore Angeloff involved in a trans-Atlantic model-making project.

Angeloff, an instructor in the Officer Training Department of the Missile and Munitions Center and School, has been "an avid addict of the Fokker D-7 ever since I was a little kid."

"It typifies everything that a biplane should be," he feels. "It was so good it almost changed the war. It was the only airplane the Germans had that was capable of coping with the Sopwith Camel or the SE-5."

Combining this love for an antique airplane with an aptitude for and a long history of building models, Angeloff and a German friend are building a 1/6th scale Fokker D-7 to enter in the 1969 German national radio-controlled model airplane championship.

The project dates back to 1965 when Angeloff was an Army sergeant stationed in Germany. He and a friend, Bruno Klupp, built a model that went undefeated in model airplane championships until the German nationals in 1968.

"There wasn't another plane in Germany that could even come close to it," the "Red Baron" of the officers training department proudly proclaims.

Angeloff and Klupp parted company when the MMCS instructor retired from the Army in July, 1966, but they kept in touch through the mails. Since Angeloff is a recognized authority on the Fokker D-7 in model airplane cir-

cles, when Klupp decided to build one of these antique biplanes, he wrote his American friend for advice.

Angeloff sent off the plans, but told the German model builder not to build the cockpit. "I'll do that part," he insisted, and so he did.

His part of the project is almost complete now—a tiny cockpit with details complete down to miniature machine gun bullets turned on his lathe with infinite care to exact scale.

Even the materials of the original have been duplicated. The dashboard of the cockpit is made out of walnut and lettered with the same labels as the original. "Achtung Hohengas" says one sign, a warning to the pilot to remember his high-altitude gasoline.

The two machine-guns cost Angeloff 80 hours of patient, painstaking labor. He had to drill and file each tiny hole in the jacket of the gun. It's unusual and a sign of his craftsmanship for this type of work to be done in metal—most model makers would use stiff paper or cardboard for the guns.

Angeloff has been collecting data on the Fokker D-7 for years. His library includes a 1918 British intelligence report with data from a plane shot down over Germany by a Sopwith SE-5.

He has built "a box-full" of plastic models in an attempt to reproduce and preserve the "actual colors of the birds flown by famous pilots of the World War I German Luftwaffe.

When he went to the aviation

section of the German museum in Munich, Angeloff discovered that he knew more about the Fokker D-7 than the museum did. If you visit the museum today and ask about the D-7, you'll get the fruits of the American model-maker's research.

He feels that people are going to forget about the deeds of the great pilots of the early days of flying, and that the only way the history will be preserved is through people like him. "It's going to fall back on a few nuts like myself."

Angeloff is also working on a smaller scale model of a D-7, a project he's been involved with since 1960. He had the engine block especially cast and has built it complete down to the tiny rocker arms of the valves.

One of the first challenges of his model-maker's career came in building models of his neighbor's racing car. He built two large-scale models, but the neighbor told him that this was common.

The doctor pulled out a pill-box and said, "if you really want to do something, build a model that will fit in here." Determined to show the skeptic, Angeloff went to the local pharmacy and asked for the smallest pill-box they had. Then he went to work and built not only a race car, but a trailer for it also and both fit in the box. That model earned Angeloff a first prize in the Wisconsin State Fair when he was 14.

The astounded doctor tried to get Angeloff to head for a career in medicine, convinced that his

skilled hands would be perfect surgeon's tools.

"I love detail work," says the MMCS instructor, but admits that "you have to be a little crazy to even start" a project like his latest Fokker.

His wife, Stephanie, a native of Linz, Austria, agrees, and sometimes thinks she's a widow with

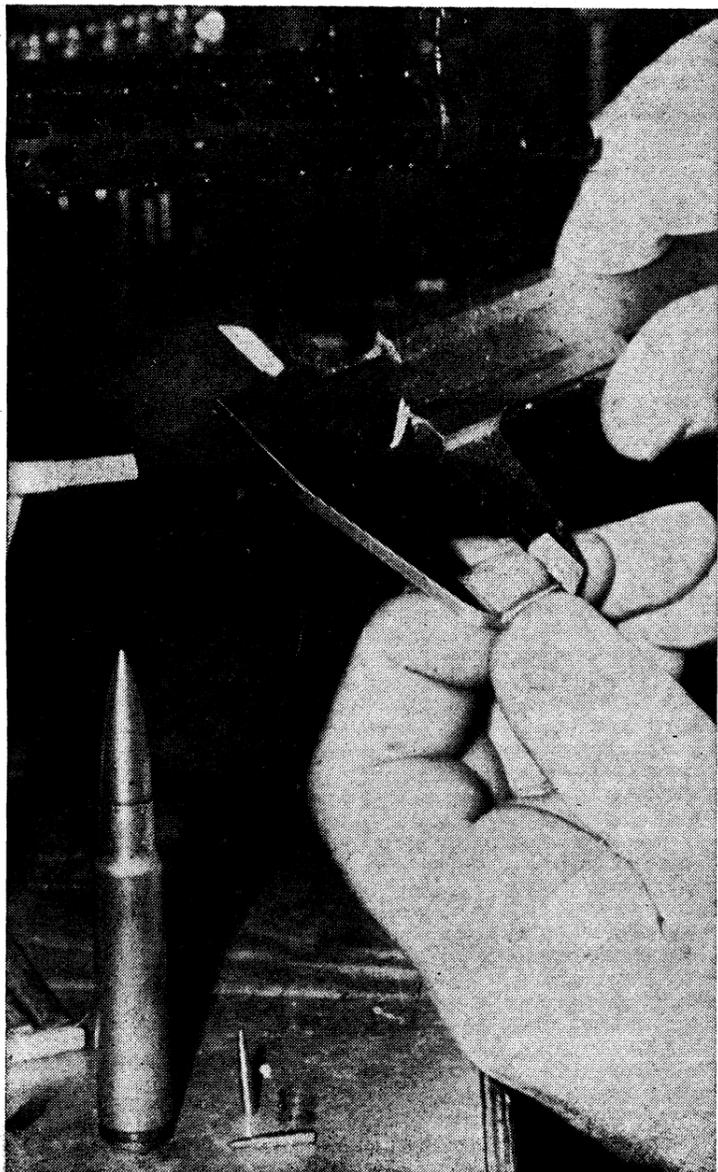
her husband spending most of his spare time at his garage workbench.

"I'm taking care of the garden, mowing the lawn—" she started to protest.

"Shh, dear, it'll get in the newspapers," her husband interrupted. "They should know, they should know," she said.



TED ANGELOFF fits the seat into the cockpit of his model Fokker D-7.



THE "RED BARON" of the Officers Training Department measures a tiny machine gun bullet for scale. On the work bench is the original.

## Be A Secretary

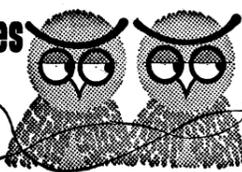
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**NAMES IN THE NEWS**  
 by SP5 *Mike McKenzie*

A large changeover in the command lines of School Brigade, plus two awards ceremonies, head up the news this week. Five companies began the week with new commanders, and a sixth will get one next week.

Two of the CO's are recent returnees from Vietnam. At Company C, 1st Lt. Ronald Hale moves over from 2nd Battalion, which he joined after a year with the 4th Infantry Division in RVN. At 6th ETC, 1st Lt. Phillip Hall spent some time at 3rd Battalion after joining MMCS from the 11th Infantry Brigade.

Capt. Bret Pope at Company D also spent a tour in the war zone as commander at headquarters company of II Field Force, but he more recently completed the Armor Advanced Officers Career course at Ft. Knox and the missile maintenance officer course here.

The other two newcomers are directly out of Infantry Officer Candidate School. 2nd Lt. John Tyson at 3rd ETC and 2nd Lt. Garry Webb at 8th ETC.

Next week, 1st Lt. David Morgan will depart the 7th ETC for

an unusual Vietnam assignment as an Airborne qualified ordnance officer after completing jump school at Ft. Benning.

He will be replaced by 1st Lt. Mike Mistrot, who has just returned from the 198th Infantry Brigade in RVN.

All this turnover marks a valuable gain of Ordnance officers for the Directorate of Individual Training (DIT), which will accept the following outgoing commanders for special project and instructor positions: Capt. John Wilkins (Co. C), Capt. Edward Emilia (Co. D), 1st Lt. William Smith (3rd ETC), 1st Lt. David Willenborg (6th ETC), and 1st Lt. Harold Yates (8th ETC).

Five Bronze Stars and two Army Commendation Medals for meritorious service in Vietnam were among the several awards presented by the commandant, Col. Paul B. Schuppener, and the 1st Battalion, commanded by Maj. Norman Hopkins.

In the commandant's office, the

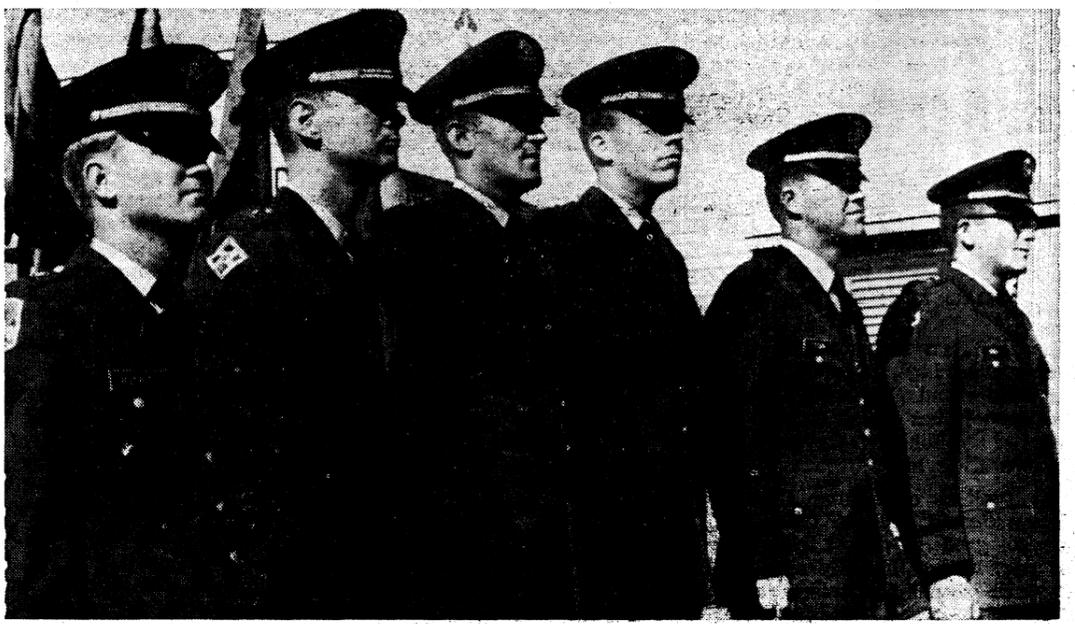


LT. HALE SFC ROSE

Bronze Star was pinned on Lt. Hale, new CO at Co. C, and the ACM was given to CWO Joseph Alsop, student in the conventional ammunition officer course.

Outstanding performance ratings were awarded to Frank Bowman, Foreign Liaison Division; Frank Westerman, DIT; Leslie Carroll, Technical Research Branch; and Thomas Williams, Assault Weapons Branch.

Other civilians cited were James Clayton, Training Aids Photo; Robert Pierce, Supply Department; Otis Pyron, Pershing Maintenance Division; Georgia Odum and Sue Vice, Training Aids Dept.; Thomas Hardin, Maintenance Dept.; Leslie Carroll, Technical Research Branch; Mildred Stewart, Training Branch; Mavis Glossup, Electronics Division; Geneva Seymour, Logistics Division; Ethelbert Maxey, DIT; James Bramblett,



LEFT TO RIGHT: Lt. Mistrot, Capt. Pope, Lt. Webb, Lt. Hale, Lt. Tyson, Lt. Hall.

Training Media-Methods Branch; Edgar Whittaker, Shillelagh Branch; Michael Vleno, Nike Division; James Fox, DIT.

At 1st Battalion, Bronze Stars were earned by SFC Domenico Tolome, a senior instructor in



SSGT. MAY SFC TOLOME

Records Branch; St. Sgt. William May, who handles scheduling in the Ammunition Dept.; Staff Sgt. Jesse McCall, supply sergeant at Technical Inspection Branch; and SP6 Alvin Rose, a member of the

RVN Committee.

Awarded the 2nd oak leaf cluster on the ACM was Master Sgt. Dudley Berryman of Training Division, who worked as first sergeant of the American Forces Korean Network before coming to MMCS.

A certificate of achievement from the 7th Battalion (Hawk), 2nd Artillery in Korea was handed to SP6 James Hamilton, an electronics instructor on the Hawk missile and launcher.

Outstanding instructor for the third quarter of this fiscal year was designated as SFC Richard Phohaska of the Records Branch at General Ammunition Dept.

SP5 Robert Maynes was recognized as the third straight Post Soldier of the Month to be selected from 1st Bn., and the next candidate—SP4 Joseph Chodacke, a Nike missile repairman—was recognized.

Company D gained a shiny silver trophy for topping the other three units in a second straight month barracks cleanliness, maintenance, area police, administration and overall company opera-

tions—the criteria for Honor Company. Capt. Emilia and the first sergeant, SFC Malcolm Carr, were awarded the trophy, a plaque, and another guidon streamer.

**OTHER NAMES IN THE NEWS:**

Promotionwise, new leaves and bars are now worn by: Maj. Roy Enter, chief of Organization and Staffing Branch; Capt. Stephen Demora, Technical Research Branch; Capt. Lynn Ranum, instructor in Maintenance Branch of Tech Ammunition Division; and Capt. Samuel Masson, land combat missile operations officer in Plans and Operations Division. A new chief is now situated at Technical Inspection Branch, Maj. Norman O. Schultz. Here's a plea from 1st Sgt. Johnson at Student Officer Company. Seems they need players for their unit basketball team, which is a joint squad using men from Headquarters Company of the School. So anyone from HHC or SOC interested in being "cagey" this winter, phone Sgt. Johnson or Capt. Sands at 6-4332. The season starts Nov. 25.

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## Further Training Sought By 37 Career Employees

Thirty-seven Arsenal personnel were engaged in off-post training courses last week under the Command's career development program administered by the Training and Development Division of Civilian Personnel.

The local personnel were enrolled for advanced career training at government schools, contractor facilities and leading colleges in six states and the District of Columbia. The training ranges in length from two days to four months.

In the latter group are ten employees from the Supply and Maintenance Directorate and the Pershing Project Office who are in Orlando, Fla., for the Ballistic Missile Maintenance Technician course at the Martin Corp.

Charles Rogers and Robert Thomas represent the Project Office while Frank Camp, Joseph Mays, Roy Kaufman, Bertram Blake, Arthur Davis, Stephen Schaefer, Richard McKinley and Carl Steedman are the S & M members of the class.

Nine others were in Washington, D. C., to attend the Systems Analysis Symposium at the Army Materiel Command.

In this group are, James Watts, (Sergeant), James Spencer (Shillelagh), Carlo Cvitan (Lance), Leo Schiffman and Lynn Layton (Hawk), Alan Compton and Raymond Hase (SAM-D), and Col. John Covert and William Walker (Redeye).

George Elrod (R & D) and Robert Brown (Shillelagh) are at the Armor School, Ft. Knox, Ky., for the Combat Vehicle Development Engineer Course, while Frank Copeland (DASO) is at Frankford Arsenal, Pa., for Standards of Workmanship.

Edwin Hart (P & P) went to Wright-Patterson AFB, Ohio, for the Technical Data Management Seminar. William Bagby (Metrology) is taking Contract Law at the same installation and James Brown (P & P) is studying Cost Reimbursement Incentive Contracting.

James Segraves (ADCCSO) is attending the Two-Step Formal Advertising Seminar at the Naval Materiel Command in Washington while Grady Kennedy (R & D) and Curtis Williams (P & P) are taking Problems of Public Administration at the University of Oklahoma.

Another group of nine locals complete the list. They are at the University of Oklahoma for Prob-

## Value Management Film Wins First-Place Award

A motion picture film produced by the U.S. Army Missile Command has won a first-place award in the Industrial Management Society's Annual Methods Improvement Competition.

The first-place award went to "Value Management," a 22 minute color film with sound produced by the Pictorial Division in the Assistant for Communications Office of the Arsenal Support Operations Directorate. RCA Service Company at Redstone Arsenal, under contract to the Missile Command, provided services.

Trophies were presented on Nov. 14 at the Society's Industrial Management Clinic in Chicago.

Representing the Command at the presentation ceremony was Col. S. C. Holmes, Director of Procurement and Production.

Missile Command and RCA personnel contributing to the winning film were Arthur E. Harvey, Jr.

lems in Public Administration.

In the group are Jere Ducote and Raye Stanley (R & D), William McBride (Mgt Sc), Frederic Varden (Hawk), Lonnie Hightower and Ronald Wicks, (SENSCOM), Horace Lowers (Ch Engineer), William Marr (C&DP), and Sammie Hardy (Lance).

and Raymond G. Weber, Procurement and Production Directorate; O. H. Cox, Arsenal Support Operations Directorate; and Karl LaRoche, Richard Dunphy, Robert Tedder and Neal Traugh, RCA.

Under the rules of competition, films produced for training and moral incentive by either industry, educational institutions or government were eligible to compete.

The purpose of the annual competition is to encourage the use of motion pictures that deal with the human psychology of management, describe the development of greater productivity, explain the free enterprise system, or stimulate cost reduction through methods improvement.

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# SENLOG Supply Expert Recalls Vietnam Duty

Stanley J. Shaner may speak quietly and modestly of his career in the supply field, but apparently his actions speak louder than his words.

It was his reputation as a supply expert that led to three voluntary tours in Vietnam starting in 1966.

He is now chief of the Stock Control Division in the Army Sentinel Logistics Command Distribution and Transportation Directorate, a position he assumed in July.

While Shaner was still with the Army Electronics Command in Philadelphia, an Army officer with whom he had served asked him to come to Cam Rahn Bay to set up the supply system. This was his first three month tour.

"When I got there, I found soldiers fresh from supply school but with no experience," he said. He proceeded, in addition to his other duties, to run training classes for three straight months at night for both officers and enlisted men.

"We lived under the most severe field conditions, and I wouldn't want to do it again," he remarked. His sense of loyalty and service to his country coupled with the great challenge encouraged him to accept each offer for a trip to Vietnam—"I felt I could contribute more by going to Vietnam," is the way he explains it.

Having become known in the battle zone for his ability, he was again requested by name for a second three month tour. Then it happened again, but this three months stretched into nine due to two three month extensions.

His files are bulging with letters of appreciation, certificates of achievement and awards for special service resulting from the time spent in Vietnam, and his coat lapels could glisten with bronze and



STANLEY SHANER

gold pins awarded for civilian service in a combat area.

Twice since SENLOG moved to Huntsville, Brig. Gen. Mahlon E. Gates, the Commanding General, has called Shaner to his office to present awards for the Vietnam service.

Shaner spent 12 years in the Army and was retired for physical disability. He then continued the same work in a civilian capacity, including eight years in Japan following two years of active Army duty in Korea and Japan. He was with the Electronics Command in Philadelphia for four years. During World War II, he was in Europe, and after the war, he was stationed with Fifth Army Headquarters in Ft. Sheridan, Ill.

He grew up in Waukegan, Ill. and Phoenix, Ariz., and has a bachelor's degree in economics from LaSalle College in Chicago.

Shaner's Division at SENLOG has total accountability for all Sentinel items stored and all items at sites. They are now in the process of getting together a nucleus of personnel to begin formulating internal and external procedures. "We're readying for the initial support of the first Sentinel site,"

this authoritative supply man said.

A hunter, a fisherman, a golfer, he feels he has come to a good area by moving to Huntsville from Philadelphia. In addition to all these sports, he is an avid gardener. "I did hate to leave my prize roses at our home in New Jersey just across the river from Philadelphia," he laments. He also likes

to raise and train his own hunting dogs.

He has cleared an area on the lawn of his Huntsville home to build a rock garden, has set out trees and plants. His wife is proficient in Ikebana (flower arranging).

Another interest is education—he served on the U. S. Government

School Board for six years in Chitose, Japan, and has sponsored a Japanese student so she could attend an American college.

Shaner is a senior member of the American Institute of Industrial Engineers, and is a member of the Defense Supply Association.

The Shaners have a 10-year old daughter, Patricia.

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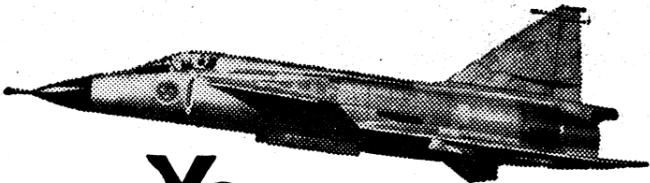
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# Sentinel Managers Meet To Review Program, Set Future Developments

LEXINGTON, MASS.—Top level government and contractor officials involved in the management of the Army Sentinel Ballistic Missile Defense System met here Nov. 14 to review the status of the program and discuss future development and deployment activities.

The meeting was the latest in a series of annual conferences held by major participants in the Army program. The one-day meeting took place at Raytheon Company's Lexington Facility where work is under way on development and production of a major radar to be used in the Sentinel System.

Keynote speaker for the meeting was Dr. Russell D. O'Neal, Assistant Secretary of the Army for Research and Development, who addressed the group at a pre-conference dinner held at a Boston hotel.

He told the group, "The Sentinel production effort creates problems of the highest magnitude. These involve production technology, specialized machine tools, trained production personnel and capacity for manufacture of components of the highest reliability. Great strides have been made since the September 1967 production decision in each of these areas."

The meeting was attended by some 100 persons representing a number of government agencies including Department of Defense, Departments of the Army and Air Force and the major contractors and subcontractors engaged in the Sentinel program.

The attendees heard that at the present time there are approximately 3,300 contractor and government organizations involved in the program and they employ some 49,000 people. The majority

of these are contractor employees who work for firms located in nearly every state of the union.

Lt. Gen. Alfred D. Starbird, Sentinel System Manager, opened the round of discussions with a briefing on the Sentinel System outlook.

Other discussions during the day centered on the Sentinel hardware tactical development and production program; design, construction and activation of Sentinel sites; the command and con-

trol system necessary for Sentinel and the development program for advanced ballistic missile defense.

During the meeting the managers reviewed the progress made since the decision was announced to deploy the Communist Chinese-oriented system in September of last year.

Among the speakers were: Brig. Gen. I. O. Drewry, Commanding General of the Sentinel System Command; W. T. Welsh, Vice President for Government Marketing of Raytheon Company; C. E. Richardson, Chief Engineer of the Sentinel System Command; J. B. Boccock, Director for Military Systems for the Western Electric Co.; C. A. Warren, Executive Director of Sentinel Division for Bell Telephone Laboratories; Sidney Stark, Vice President of the Martin Marietta Corp. Orlando (Florida) Division; T. W. Stephens, Vice President of the McDonnell-Dou-

glas Corp.; T. T. Paganelli, General Manager, Heavy Military Electronic Dept. of General Electric; Brig. Gen. R. P. Young, Army Corps of Engineers' Division Engineer in charge of Sentinel construction; Col. R. C. Marshall, Director of Site Activation for the Sentinel System Command; Brig. Gen. H. P. Persons, Assistant Chief of Staff, U. S. Army Air Defense Command; and Julian Davidson, Director of the Nike-X Development Office, Advanced Ballistic Missile Defense Agency.

The Army Sentinel System Organization headed by Gen. Starbird, with headquarters near Washington, D. C., is responsible for development and deployment of the ballistic missile defense system.

The Sentinel System Command at Redstone Arsenal, co-host for

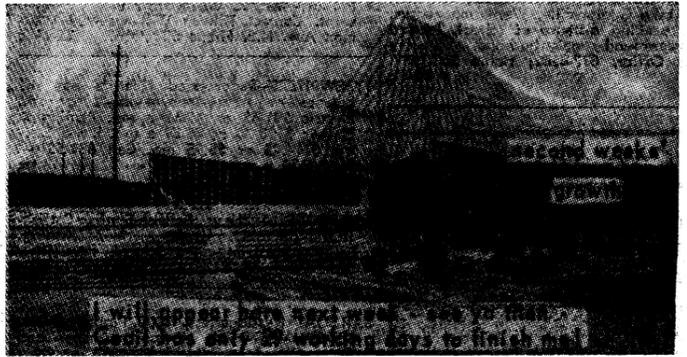
the meeting, is the major field element of the Sentinel Organization and is responsible for accomplishing the development, acquisition and installation of the Sentinel System.

Western Electric Company is the prime contractor and Bell Telephone Laboratories is responsible for technical design and development. The major subcontractors are: Raytheon, Missile Site Radar; General Electric, Perimeter Acquisition Radar; McDonnell-Douglas Corp., Spartan interceptor missile; and Martin Marietta Corp., Sprint interceptor missile.

When deployed in the continental United States Sentinel will be an operational element of the Continental Air Defense Command. In Hawaii it will be an operational element of the Pacific Command.

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DR. MORRISON

## A&M President To Talk At Accountants Meeting

Dr. R. D. Morrison, president of Alabama A&M College, will be the guest speaker when the Huntsville Chapter of the Federal Government Accountants' Association meets on Thursday evening at 6:30 p.m.

The regular monthly meeting of the local professional society will be held at the Ramada Inn on South Memorial Parkway.

The well-known Alabama educator, who has been a faculty member and president of the college for 32 years, will speak on the subject, "A Developing College in Transition."

Dr. Morrison received his undergraduate degree from Tuskegee Institute and his Master's degree from Cornell University. He earned his Doctorate from Michigan State University in the field of education.

He was named Director of the Division of Agriculture at Alabama A&M in 1937 and served in that position until 1962 when the State Board of Education named him President of the College.

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# James Winning Receives Promotion To Colonel In Ala. National Guard

An Army Missile Command employee, James Winning, was recently promoted to the rank of Colonel in the Alabama National Guard.

Winning, a plans specialist in the Missile Command's Comptroller and Director of Programs, Emergency Operations and Mobilization Plans Office, is Commander of the 3,500-man 1169th Engineer Group headquartered in Huntsville.

The 1169th's four battalion headquarters are: the 151st Engineer Battalion, Ft. Payne; the 1343rd Engineer Battalion, Athens; the 877th Engineer Battalion, Hamilton; and the 145th Engineer Battalion, Camden.

A veteran of World War II and the Korean conflict, Winning has been a member of the National Guard since 1946.

His awards and decorations include the Armed Forces Reserve Medal, Army Commendation Medal, Asiatic-Pacific Campaign, Philippine Liberation Ribbon, World War II Victory Medal, Korean Service Medal, National Defense Service Medal, United Nations Service Medal, Combat Infantryman's Badge World War II, American Defense Service Medal, and the Faithful Service Award of Alabama.

Winning lives with his wife and family in Huntsville where he is active in the Southside Baptist Church, Cub Scout Pack 87 and the YMCA.

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WIN RECOGNITION FROM AIAA—Dr. Arthur Rudolph (left), Maj. Gen. Charles W. Eifler (center) and Robert J. Brazil are shown just after receiving awards last week from the Alabama section of the American Institute of Aeronautics and Astronautics. Dr. Rudolph, Special Assistant to the Director of the Marshall Space Flight Center, received the Holger N. Toffoy award, General Eifler, the Hermann Oberth award, and Brazil, AIAA's associate director for Section affairs, the Martin Schilling award. The Section gives the three awards annually for outstanding contributions in the field of astronautics and aeronautics.

## CLTORF Club Founder Is Instructor

A missile instructor at the Army Missile and Munitions Center and School has started a club for people seriously interested in keeping equipment in good working order.

CW4 Bill Anthony, an instructor with the Officer Training Department, started the CLTORF (pronounced "clue-torf") Club last year while he was assigned in Taipei, Taiwan. CLTORF stands

for clean, lubricate, tighten, operationally check, report, and follow-up—the six essential steps of good preventive maintenance.

One of the club members is Gen. Harold K. Johnson, the former chief of staff. Other generals in the American Army, Chinese generals, and high-ranking civilians have joined since. The CLTORF club is dedicated to advancing techniques of preventive maintenance.

The CLTORF Club runs contests and presents quarterly awards for superior preventive maintenance ideas.

"One manhour of effective preventive maintenance spent at user or organizational level will elimin-

ate at least five support maintenance manhours at a higher echelon," according to CW4 Anthony.

The CLTORF Club is aimed at "anything that moves", CW4 Anthony says. The most sophisticated machinery made will turn into worthless junk unless a preventive maintenance program is carried out, he feels.

Since the club was organized less than two years ago, more than 500 civilian and military technicians and engineers from 20 different countries have joined.

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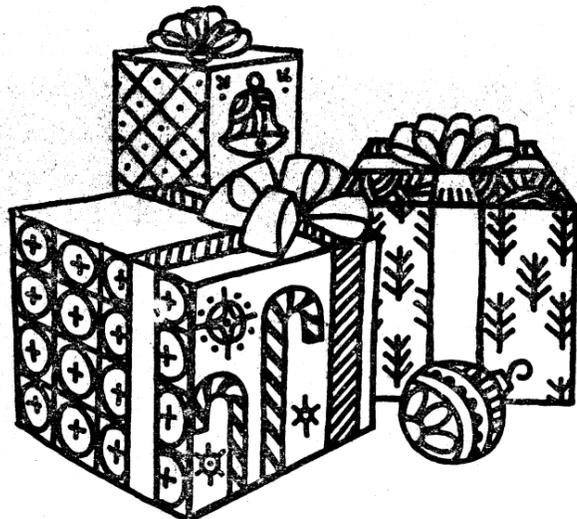
## Sojourners, Heroes '76 Choose Officers For '69

Col. Paul B. Schuppener, commandant of the Army Missile and Munitions Center and School, will serve as installing officer for Redstone Chapter 353, National Sojourners Dec. 12 at the Redstone Officers Open Mess.

Joe Justin will be president of the Sojourners. Serving with him will be W. O. Ayden, first vice president; Don French, second vice

president; Ed J. Ottman, third vice president; W. D. Jones, secretary; and R. B. Proffitt, treasurer.

Officers for the Heroes are: Donald M. French, commander; James F. Nixon, Jr., chief of staff; Pete Redding and John H. Graham, assistant chiefs of staff; William O. Aden, adjutant; Charles C. Rollins and William D. Jones, lieutenants; William R. Cowen, sergeant of the guard; Paul R. Neilson, sentinel; Edward J. Ottmann, quartermaster and keeper of the archives; Carl W. Hartman, chaplain.



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100	18.46	10.05	7.27	\$ 5.90
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300	55.09	29.87	21.54	17.42

Above payments include principal and interest. Life insurance is available at group rates on loans above \$100. Loans up to \$3000 subject to supervision.

Cash You Get	MONTHLY PAYMENT PLANS		
	12 Payments	24 Payments	30 Payments
\$500	\$46.81	\$24.73	
700	64.92	34.30	
1000	92.80	48.76	\$40.05
1500	137.80	72.80	59.80
2000	181.96	96.13	78.96

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

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4 dr. sedan, V8, automatic, power and air cond. Real clean. Was \$1895. .... IS **\$1699.**

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**1965 CHEVROLET IMPALA**  
2 dr., H.T., automatic, vinyl top, real nice, V-8. Was \$1595. .... IS **\$1495.**



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2 dr. H.T., V-8, straight shift. Extra nice car. Good condition. Was \$1595. .... IS **\$1399.**

**1965 PLYMOUTH BARRACUDA**  
V-8, auto., red finish, real sharp local car. Was \$1495. .... IS **\$1299.**

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2 dr., H.T., full power, factory air. Local car. Good condition. Was \$1895. .... IS **\$1599.**

**1963 CHEVROLET IMPALA**  
Super Sport, 2 dr., H.T., V8, automatic, console and bucket seats. Was \$1295. .... IS **\$1099.**

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4 dr. sedan, full power, factory air. Local car, excellent condition. Was \$1295. .... IS **\$1199.**

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**1966 AUSTIN HEALEY SPRITE**  
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4 dr., V-8, auto. trans. power steering and air cond. Was \$1095. .... IS **\$899.**

**1964 FALCON FUTURA**  
4 dr. sedan "6" st. shift, Clean as new. Was \$995. .... IS **\$899.**

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2 dr., "6" st. shift. Was \$195. .... IS **\$149.**

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**1967 SUNBEAM IMP**  
2 dr. sedan, local one owner. Car like new condition. Was \$1195. .... IS **\$899.**

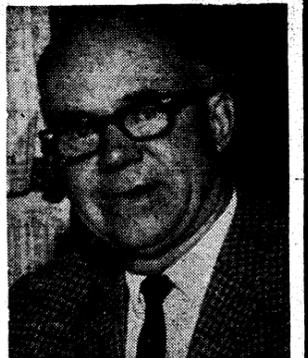
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