

# The Redstone Rocket

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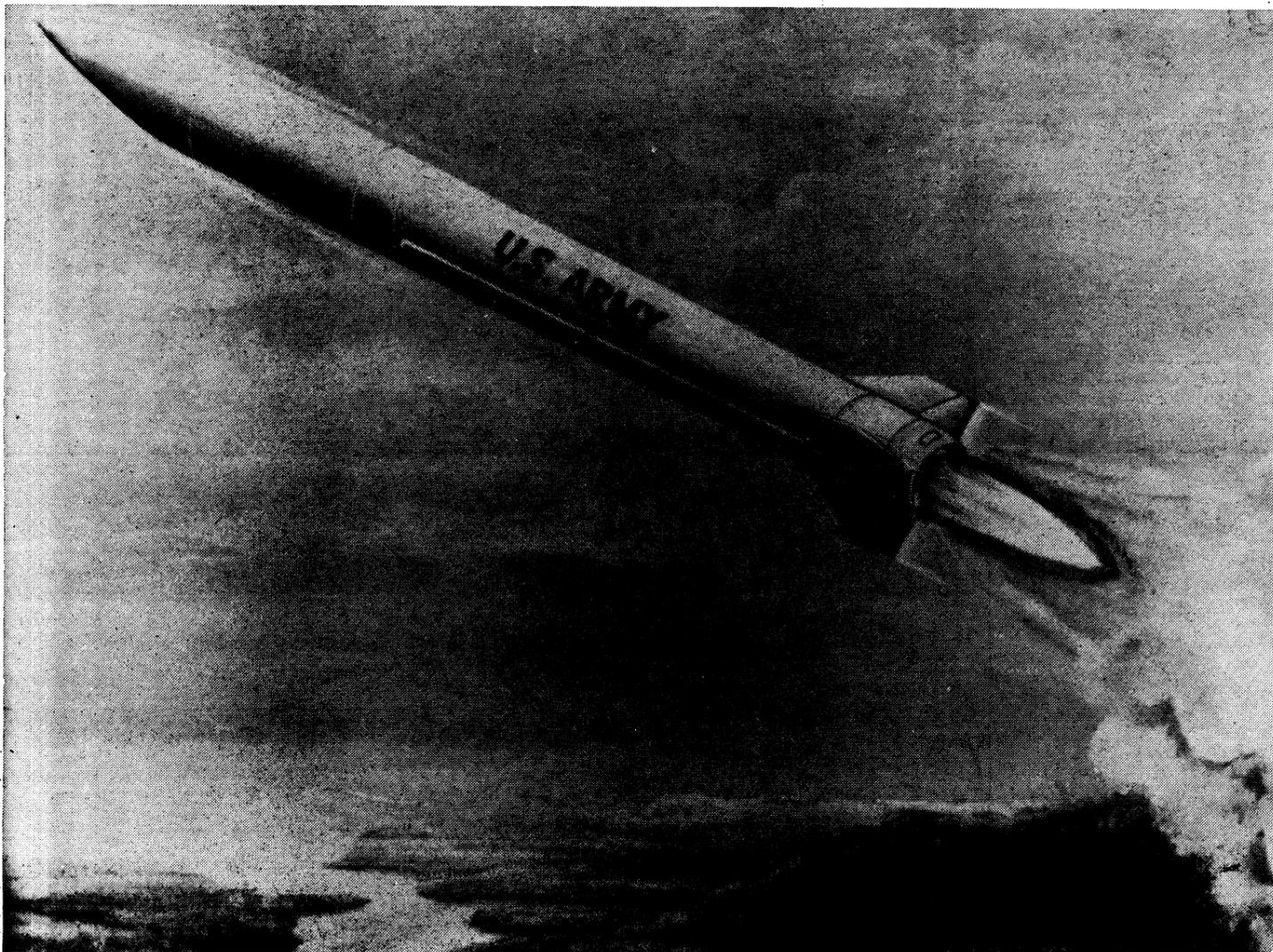
REDSTONE ARSENAL, HUNTSVILLE, ALABAMA 35809

OCTOBER 30, 1968

Arsenal-Wide

Spot News

Dial 112



**ARTIST VIEWS SAM-D MISSILE**—Shown is an artist's rendition of the SAM-D missile which will be part of the future U.S. Army air defense system for use in both battlefield and continental air defense roles. SAM-D (surface-to-air-missile development) will be used against high-performance aircraft and short-range missiles. The missile, to be controlled by four aerodynamic tail surfaces, will be able to carry either high-explosive or nuclear warheads.

It will be segmented into nose, guidance, warhead, motor and control sections. The SAM-D missile, along with its dual purpose shipping and launching container, is currently in advanced development. The program is managed by SAM-D Project Manager Col. J. C. Miller, Jr., from the Army Missile Command. Raytheon Company is prime contractor for the new air defense system with Martin Marietta's Orlando Division as principal subcontractor.

## TOW Steals Armor Show At Ft. Knox

TOW literally stole the show. This word comes from Fort Knox, Ky., where the Army's new tank killer recently showed its stuff, along with a display of tanks and other combat vehicles.

Mounted aboard a jeep and fired before a select audience of Department of Army officials, the long-range TOW missile struck with pinpoint accuracy a moving target slightly less than a mile away.

Among spectators was General Bruce Palmer, Army Vice Chief of Staff.

Occasion for the firing demonstration was the Army Combat Vehicle Program Review, hosted by the Armor and Engineer board at Fort Knox.

TOW was one of several fire-power demonstrations scheduled although much of the program revolved around armored combat vehicles.

TOW is the Army's newest guide. (See TOW STEALS on Page 3)

## Army Awards \$11.5 Million TOW Work

An \$11.5 million U. S. Army contract has been awarded to Hughes Aircraft Company for engineering services on the TOW anti-tank guided missile system.

Under the Cost-plus-award-fee contract, which definitizes a letter contract, Hughes will provide services to support TOW production.

Much of the work will be done at Culver City, Calif., the Army said.

TOW is being developed for the Army by Hughes Aircraft Company, prime contractor, as a guided missile system to destroy heavy armor and field fortifications. Highly effective against moving or stationary targets, TOW can be fired from a ground launcher or mounted on a variety of vehicles.

The TOW program is managed by the U. S. Army Missile Command, Redstone Arsenal, Ala. Lt. (See TOW CONTRACT on Page 3)

## Vertical Management Systems Add Two New Product Management Areas

Modern concepts developed for vertical management of weapon systems are being extended to additional categories of equipment at the Army Missile Command by establishment of two Product Management Offices and two new Commodity Offices.

Items designated by the Commanding General, U.S. Army Materiel Command for Product Management are Target Missiles and the Land Combat Support System (LCSS).

Product Management Offices are being planned also for the Air Defense Control and Coordination System and the Multiple Artillery Rocket System.

The change in management concepts for these programs will not result in any overall increase in personnel, but will concentrate overall management responsibilities for development, procurement, production, testing, distribution and logistics for each program in one office.

These functions were carried out previously by personnel in Commodity Offices and in the Research and Development, Procurement and Production, and Supply and Maintenance Directorates at the Missile Command.

Col. Robert W. Van Wert has been named acting Product Man- (See VERTICAL on Page 3)

## CFC Still Gathering Donations

Contributions are still rolling in for the 1969 Combined Federal Campaign as Huntsville area personnel continue to reach for the half million dollar mark in their annual fund raising effort.

Almost 90 per cent of the 21,000 Federal workers in the area have joined in the crusade with contributions totaling \$474,254.98 (See CFC on Page 3)



LT. STEPHEN L. O'KEEFE

## Lt. O'Keefe Named Aide

1st Lt. Stephen L. O'Keefe has been named aide-de-camp to Brig. Gen. George H. McBride, Deputy Commanding General for Air Defense Systems, Army Missile Command.

Lt. O'Keefe, 25, who obtained his Master's degree in psychology from Ohio State University in 1967, has been assigned to the Personnel and Training Office since April. He is a native of Delaware, Ohio.

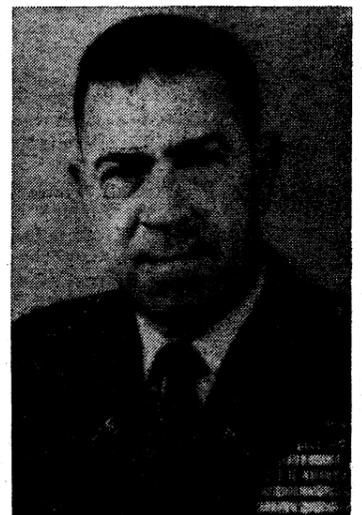
Until entering military service the past February, Lt. O'Keefe (See LT. O'KEEFE on Page 3)

## Col. McClary To Head Operations, Security

Col. William T. McClary has succeeded Col. Anders O. Wiklund as Assistant for Operations and Security in the Arsenal Support Operations Directorate at the Army Missile Command.

Actually, Col. McClary has been assigned as a special assistant to Col. Wiklund since Sept. 15 following an assignment as Commander of the 15th Military Police Brigade in Germany. This was the Colonel's third tour of duty in Europe. During World War II, he was a member of the invasion forces that defeated the Nazis, and later served at SHAPE headquarters in Paris.

He was awarded the Bronze Star for action in World War II and a cluster was added in 1955 in Korea. The colonel earned the (See COL. MCCLARY on Page 3)



COL. WILLIAM T. MCCLARY

## Host Family Program Still Needs Help In Community

Lt. William W. Stirling at Foreign Liaison Division of the Army Missile and Munitions Center and School reports that the host family program is faring well but a glaring need still exists.

The program is designed to provide a civilian sponsor family for each allied student at MMCS and his family. This enables the foreign visitor to participate in the "American Way of life" and it promotes much-needed person to person diplomacy.

In a recent talk to the Huntsville Ministerial Association Lt. Stirling pointed out that the number of host families had doubled in the

past month.

However, despite nearly 50 responses to the program, there are still more than 100 students wanting to enjoy similar advantages.

It offers a unique reciprocal opportunity for cultural sharing. Any group or individual interested in knowing more about the host family program can contact Lt. Stirling at 876-1704 or 876-2427.

A film, "Stranger at My Door", is available for viewing as an introduction to the scope of the program and full information will be provided.

The opportunities for meeting (See HOST on Page 3)

# The Redstone Rocket

The Redstone Rocket is published weekly, on Wednesdays. The publisher will receive editorial content for publication in the Rocket only through the information Office, Army Missile Command, Redstone Arsenal, Ala., 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 wantads—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 me every hour of light and dark is a miracle,  
Every inch of cubic space is a miracle.

Walt Whitman

## The Credit-ability Gap

It's almost that time of year again, believe it or not. Exchange Toyland's have opened, the stocks of Christmas cards are being put out, Christmas catalogs are available and soon the strains of Christmas carols will be emanating from radios and store sound systems.

Planning for the holiday season and Christmas giving will soon be occupying most everyone's minds—and bank accounts. All too often the contagious spirit of the holiday season and the desire to make the season and the



holiday a memorable one for family and friends cloud normal good judgment and lead to financial disaster.

Let's face it, there are time payment plans available for almost anything you would ever want to buy. Most of them are easy to get and they appear to be so safe it's easy to overcommit your financial resources without realizing it—until it's too late.

Then you have the **credit-ability gap** — too much credit and an inability to meet your obligations. This not only can cause you a great deal of embarrassment, but, in some cases, could ruin your career, your home life and your future.

If you're going to buy now and pay later, do it wisely and with moderation so you won't pay and pay and pay and pay. (AFPS)

## South Americans Earn Top Academic Honors In Munitions Training

### Scientists Participate In Conference

Two U.S. Army Missile Command scientists recently attended separate conferences to participate in discussions related to Army research programs.

Dr. Oskar M. Essenwanger, supervisory research physicist, participated October 24 in the meeting of the American Institute of Aeronautics and Astronautics Committee on Atmospheric Environment at Philadelphia, Pa.

He is chief of the Aerophysics Branch, Physical Sciences Laboratory, Research and Development Directorate.

Dr. Charles R. Christensen, research chemist, presented a paper at the Seventh Rare Earth Research Conference sponsored by the National Science Foundation and the Solar Division of International Harvester Company held October 28-30 at Coronado, Calif.

Dr. Christensen, whose paper is entitled, "Magnetic Field Dependence of Eu 151 Nuclear Resonance in Ferromagnetic EuS," is assigned to the Solid State Physics Branch, Physical Sciences Laboratory, Research and Development Directorate.

A pair of South Americans were among students honored for academic achievement at graduation of the Army Missile and Munitions Center and School here Friday.

From the Venezuelan Army, Lt. Andres Fuentes and Lt. Luis Marquez both scored over 90.0 in ammunition renovation training to earn a special award from the Association of the U.S. Army.

D. C. Maliskey, representing the Tennessee Valley Chapter of AU-SA, also gave the excellence plaque to Pvt. Murray Zoota from the ammunition records course.

Others recognized as honor graduates for maintaining the highest average in their respective courses included Lt. Thomas Dooner, Jr., of ammunition officer training; PFC Albert Rayner of combat missile systems; PFC Robin Benson of Hawk radar; PFC John Dippold of Pershing computer and Pvt. Roger Wallace of ammunition storage.

Guest speaker for the event was Maj. Warner Talso, senior Land Combat Missile officer at the MM-CS Office of Operations. He told the students they had earned a "license to learn—a foundation upon which to build professional competence."

Maj. Talso spoke of the importance of teamwork and high goals while on the job, and challenged the group to continue to be learners as well as doers.



WE CARE PACKAGES ON THEIR WAY—Mrs. Alvin Welch, left, and Mrs. Robert E. Hindman pack items for soldiers in Vietnam as part of Operation We Care. These members of the Redstone Non-Commissioned Officers Wives Club are some of those working on the project adopted as one of the club's charity programs this year.

## Santa Claus Special Filling Her Holds With Christmas Cargo For Men In Vietnam

Huntsville Area Residents sending Christmas gifts to Vietnam by fourth class parcels may use special carrier ship if packages are mailed before Nov. 9.

The "1968 Santa Claus Special", a fast United States cargo ship, will sail from Oakland, California, in November and will carry parcels to ports in Vietnam in sufficient time for delivery before

Christmas.

In order for Christmas packages to be loaded aboard this ship, fourth class parcels must be mailed by November 9, preferably earlier — and be endorsed on the outside "Santa Claus Special" above the address and below where the stamps are placed.

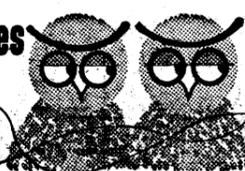
The ship will have ports of call at Da Nang, Cam Ranh Bay, and

Saigon, Vietnam.

The Department of Defense and the Post Office Department recommend to all mailers that they send parcels early. Christmas packages for servicemen mailed during the surface mailing period (14 October—9 November), will be delivered before Christmas. Use of fourth class mail saves money and, with the "Santa Claus Special", individuals may be assured that the parcel will be delivered in time for Christmas.

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**VERTICAL**

(Continued From Page 1)

ager for Target Missiles pending the arrival of the designated Product Manager, LTC William L. Rehm on March 1, 1969. Col. Van Wert's primary duty is the deputy to the Deputy Commanding General, Air Defense Systems at the Missile Command, and he has served as chief of the Air Defense Commodity Office.

The new Product Manager for LCSS is LTC Frank A. Matthews. He is being transferred from the Pershing Project Manager's Office where he headed the System Support Division.

The new Commodity Offices established at the Missile Command are for Aircraft Weapons and for Land Combat Weapons.

William Rotenberry has been selected as acting chief of the Aircraft Weapons Commodity Office, and Herman Martin is to be acting chief of the Land Combat Weapons Office.

The Aircraft Weapons Commodity Office will manage the application of TOW missile on the new Cheyenne helicopter and airborne rocket launchers. The Land Combat Weapons Commodity Office covers management of the Honest John and Littlejohn rockets, EN-TAC and the LAW training device.

Rotenberry has been serving as acting commodity manager in the Land Combat Commodity Office, and Martin as a logistics officer in the same office.

Already in operation at the Missile Command are 10 Project Management Offices chartered or to be chartered by the Secretary of the Army for the major missile systems. The Product Management Offices will operate under the same management concepts but are chartered by the Commanding General, U.S. Army Materiel Command. The Commodity Offices have responsibility for older weapons systems or for weapons that support those already under Project Managers located elsewhere.

The Target Missile Product Office will be located in Bldg 4505 on Redstone Arsenal, and the LCSS Product Management Office will be in Bldg. 5250.

The new Commodity Offices will

**CFC**

(Continued From Page 1)

through four weeks of the drive. The five-week campaign will end on November 1.

The total collection to date is \$53,948 greater than the final gift that was turned over to local, national and international fund-raising agencies last year.

Department of Army agencies in the area including the workers of the Thiokol Corp., and the Rohm and Haas Company, have reached 91 per cent in participation with an overall total contribution of \$335,257.18.

The Marshall Space Flight Center has received donations from 81 per cent of their assigned personnel for a total gift of \$138,976.47.

Six of the nine small Federal agencies participating in the drive have reported donations totaling \$2,038 with participation ranging up to 100 per cent for the Civil Service Commission and the Economic Development Administration.

**COL. McCLARY**

(Continued From Page 1)

Legion of Merit in Vietnam in 1966. His Army Commendation Medal has two clusters.

A native of Andrews, S. C., Col. McClary prefers active sports: hunting, fishing, golf, football, baseball and bowling.

Married to the former Miss Aida Magdi of Vienna, Austria, the couple has three children, William T., Jr., 19, Anna, 17 and John 14.

**TOW Contract**

(Continued From Page 1)

Col. Robert W. Huntzinger is Project Manager.

Negotiating the contract for the Army was the Missile Command's Procurement and Production Directorate, headed by Col. Sterling C. Holmes.

also be located in Bldg 5250.



**SHILLELAGH BOSS AT ORLANDO**—Col. Robert J. Proudfoot, Shillelagh Project Manager, looks at manufacturing facilities during a recent trip to Martin Marietta Corporation's Orlando Division. Martin Marietta is an alternate producer of Shillelagh missiles. Explaining the operation is Gerard La-Starza, Shillelagh manufacturing manager for Martin Marietta.

**HOST**

(Continued From Page 1)

people from other countries studying at MMCS are vast, with 14 nations represented by those expressing a desire to have a host family. Most are from Germany, but there are several from Thailand, Spain, Japan, Korea, China, Denmark, Ethiopia, Greece, Israel, Italy, Jordan, Netherlands and Tunisia.

Over a dozen different nationalities are currently being sponsored by citizens throughout Huntsville and neighboring areas.

**TOW Steals**

(Continued From Page 1)

ed missile system which can destroy heavy armor and field fortifications. Managed by the Army Missile Command, TOW can be fired from a ground emplacement or mounted on a variety of vehicles.

Lt. Col. Robert W. Huntzinger is TOW Project Manager.

Representing the Missile Command at the demonstration were Marvin Jeffers, Coy Jackson and Maj. William Paris.

TOW firing crew was supplied by the Infantry Board at Ft. Benning, Ga., led by Maj. Q. Seitz.

**LT. O'KEEFE**

(Continued From Page 1)

was employed as school psychologist with the Elyria City Board of Education, Elyria, Ohio.

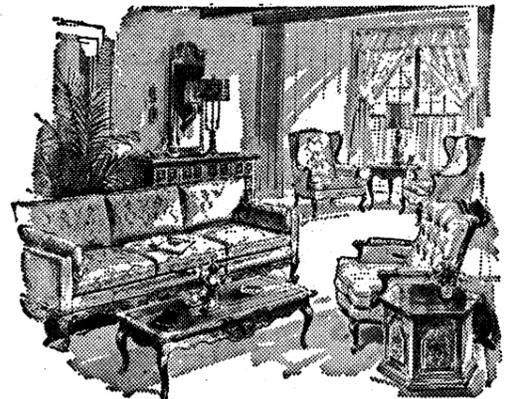
He is a member of Alpha Sigma Phi National Fraternity, Ohio

School Psychologists Association, Armed Forces Communications and Electronics Association and the Association of the United States Army.

Lt. O'Keefe is married to the former Patricia Ann Scales of Binghamton, N. Y. The couple has two children, Holly Suzanne, 6, and Scott David, 5.

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— THE MALL —

# Heroes, Sojourners Get Together At Redstone For Conference, Bivouac

In conjunction with the recent 1968 Southeastern Area Regional Conference of the National Sojourners and the Encampment of the Heroes of '76, Monte Sano Camp, Heroes of '76 of Redstone Arsenal admitted Recruits William D. Jones and Paul Neilson to membership in a ceremony presided over by Joseph A. Justin, the Camp Commander.

The National Commander of the Heroes of '76 George O. Gjoerloff, of Orlando, Fla. and Melvin W. Byers, of Washington, D. C. the

National Adjutant were among the dignitaries who participated on the Bivouac which was held at the Redstone Arsenal Army Recreation area Saturday afternoon.

The conference, encampment and bivouac was climaxed by a banquet which was held at the Redstone Officers' Open Mess.

The banquet, presided over by Justin, First Vice President of Redstone Chapter No. 353, the host chapter of the Conference, featured Fred Clarke, Mobile, who spoke on "Americanism." Clarke, an architect, is the Sovereign Inspector General of the Scottish Rite in Alabama.

Carl Hartman, presented the Lee High School a Cappella Choir.

Among the dignitaries at the banquet were Sojourners National President Carl S. Casto, of St. Petersburg, Fla., President-Elect Brig. Gen. John D. Billingsley, USA Ret. of Fredericksburg, Va. First Vice-president LTC Ray M. Ely, AUS Ret. of Wayne, Pa. and Third Vice-President Lt. Gen. Herman Nickerson, Jr. Deputy Chief for Manpower, Marine Corps, Washington, D. C.

The 1968 Conference headquarters was at the Carriage Inn. Earl D. Hicks, president of the host Redstone Chapter No. 353 of the National Sojourners chaired the opening of the Conference. COL J. N. Jean, Director of the Arsenal Support Operations Directorate welcomed the conferees to Huntsville and to Redstone Arsenal.

### SODALITY TO MEET

Queen of All Saints Sodality will elect officers Friday at a meeting following the 9 a.m. Mass in the Post Chapel. Sodality members have also been requested to bring their donations to the Catholic Charity Bazaar to this meeting.

## New Arrivals

The new arrivals at the Post Hospital are as follows:

- MAJ and Mrs. Richard J. Clement, daughter, Rebecca Lynne, Oct. 18.
- SSG and Mrs. John L. Harzewski, son, Thomas, Oct. 18.
- SFC and Mrs. William T. Neill, son, William Gregory, Oct. 18.
- SFC and Mrs. Kenneth W. Greer, daughter, Lisa Michelle, Oct. 19.
- SSG and Mrs. Joseph L. Hicks, daughter, Sharon Rene', Oct. 19.
- SP5 and Mrs. Houston A. Lundy, daughter, Cynthia Ann, Oct. 19.
- SSG and Mrs. Booker Massey, son, Bruce Anthony, Oct. 20.
- 2LT and Mrs. James K. Sheek III, son, James Kimbrough IV, Oct. 20.
- SGT and Mrs. Roger C. DePauw, son, Todd Clayton, Oct. 21.
- SP6 and Mrs. Robert Davidson, Sr., son, Robert Jr., Oct. 21.
- PVT and Mrs. Jesse D. Harshbarger, daughter, Laurie Lee, Oct. 21.
- SSG and Mrs. Paul A. Espalin, son, Vincent Anthony, Oct. 23.
- SP4 and Mrs. William G. Martin, son, John William, Oct. 23.
- SP6 and Mrs. Michael J. Mares, daughter, Cynthia Victoria, Oct. 23.
- SP5 and Mrs. Kenneth D. Lewis, daughter, Dana Jewel, Oct. 24.

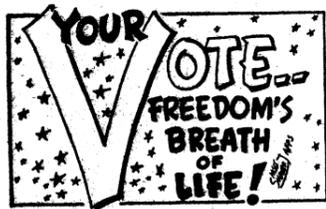


**PREPARE FOR BAZAAR**—Mrs. Frank Reed, left, and Mrs. Edward Powell, members of the Redstone Non-Commissioned Officers Wives Club, show some of the Christmas decorations being readied for sale at the club's bazaar on Nov. 29 and 30 and Dec. 4 at the NCO Open Mess. The proceeds will be used for a variety of charity projects sponsored by the group. Members meet each Monday morning at the NCO Open Mess to work on these Christmas items.

## Munitions Expert Talks To Officers

A data processing expert from Picatinny Arsenal's Army Munitions Command spoke to four officer classes at the Army Munitions Center and School Monday on the latest ideas in computer operations for ammunition support. Edward J. Jordan, director of the Management System and Data Automation Directorate at the Munitions Command presented a two-hour class on the use of computers in the ammunition field. The MMCS Television Department videotaped a panel discussion with Jordan on the use of the computer for ammunition support Tuesday. The tape will be used on the MMCS closed circuit educational TV system for future training of ammunition students.

The Munitions Command, located at Dover, N.J., performs the same function for Army ammunition that the Army Missile Command does for missiles. It is the agency responsible for the design of Army ammunition.



## CRYPTOGRAPHER, STENO POSITIONS OPEN IN AREA

The Interagency Board of U. S. Civil Service Examiners for North Alabama is now accepting applications for the position of Stenographer, GS-3, \$4600 a year, and GS-4, \$5145 a year, for employment in Huntsville.

Applications will not be accepted for typist positions.

To qualify for these positions all applicants must pass a written test, performance tests, and have specified amounts and kinds of

experience and/or education. The Interagency Board also is accepting applications for positions of cryptographic equipment operator, GS-5, for employment in Federal agencies and installations in the 38-county area. A majority of these openings are at Fort McClellan.

The duties of these positions involve the operation of keyboard cryptographic equipment in encrypting and decrypting security-classified communications. All applicants are required to pass a written test covering verbal abilities, clerical abilities, and abstract reasoning.

For details and filing instructions, contact the Federal Job Information Center, 806 Governors Drive, S. W., Huntsville, Alabama, 35801.

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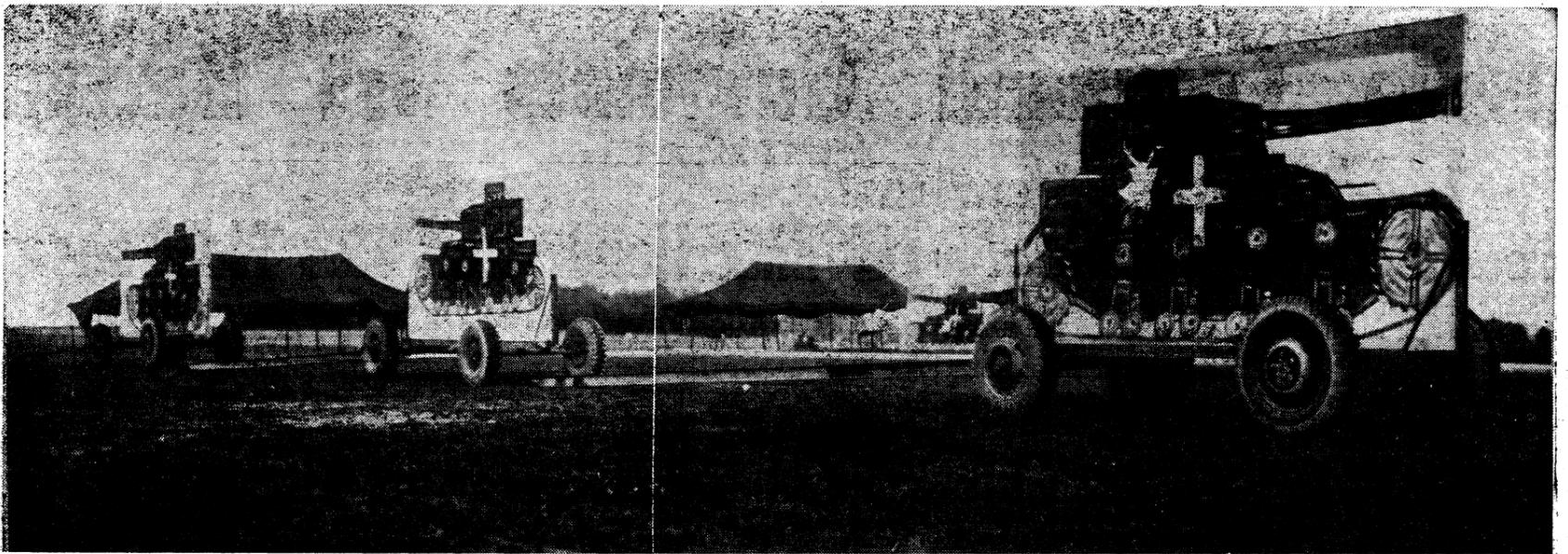
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**TOW HOLES**—Cloth targets simulating tanks show gaping holes torn by U.S. Army Missile Command's TOW wire guided missiles at demonstration of the new antitank weapon at the U.S. Seventh Army Training Center, Gra-

fenwoehr, Germany recently. Four direct hits were scored by four missiles fired from a ground launcher and helicopter at ranges varying from "extremely short range"

to more than a mile. With TOW, a gunner simply holds the crosshair of his sight on the target and the missile is automatically steered to impact on that point.

# TOW STARS IN NATO FIRINGS

## High Ranking Military See Demonstration In Grafenwoehr, Germany

Nearly 100 high ranking military representatives from foreign countries were given a firsthand look at the tank killing capability of the U. S. Army Missile Command's new TOW wire guided missile in firing demonstrations held recently at the U. S. Seventh Army Training Center at Grafenwoehr, Germany.

The firings were conducted by the Department of the Army's Office of Deputy Chief of Staff for Logistics with assistance from the TOW project manager, Missile Command and Hughes Aircraft Corporation, prime contractor for the TOW missile.

The TOW system, which is being readied for production, has already earned a reputation for accuracy and firepower which veteran tank commanders have described as "bringing a new dimension to tank warfare."

In the conduct of the European demonstrations TOW scored four out of four hits on moving tank size targets at ranges which varied from "extremely short range" to over a mile.

TOW was fired from both a tri-

pod and a helicopter at tank silhouette targets being towed across the gunner's line of vision. The ground launchings demonstrated the weapon's ability to hit a target at both very long and very short ranges.

In the helicopter firings, the aircraft flew toward the target at cruise speed, launched the missile and then took evasive action by banking sharply while the missile continued toward the target. The helicopter can also use its "pogo" ability to rise above the treetops, knock out a tank at long range and drop behind cover.

The TOW missile receives its name from the description, Tube-launched, Optically-tracked, Wire-guided. When launched, the missile unreels two hair-thin wires in flight through which it receives steering signals.

All a gunner has to do is hold the crosshair of the telescopic sight on a target and the missile will be automatically steered to impact on the spot where the gunner is aiming. The gunner does not have to estimate a range to the target, speed of the target,

or the angle between the course of the target and his weapon.

The system is simple enough to be used by regular field troops with less training than the weapons it replaces, and is designed for use either as a man-carried tripod mounted weapon or it can be mounted on a variety of existing vehicles. In the Army it will replace the 106mm recoilless rifle and the Entac and the SS-11 missiles. It will also be employed from the new armed helicopter, the AH-56A Cheyenne. The missiles employed from the ground are interchangeable with the missiles used in the aircraft mount.

### METEOROLOGISTS MEET

A. S. Dunbar, manager of Systems Engineering, Huntsville Research and Engineering of Lockheed Missiles and Space Company, talked on Miniature Meteorological Sensors at last night's meeting of the American Meteorological Society.

The meeting was held in the large conference room at Lockheed's building in Research Park.



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# Missile Command Outpoints 1st Battalion

## Unit Level Gridders Show Great Scoring Potential

The Missile Command stayed on the winning trail and the Unit Training Command got into the victory column for the first time in Redstone Arsenal football league games last weekend.

Ray Smith ran for a pair of touchdowns and caught passes for another pair as MICOM outlasted the First Battalion on Friday evening, 32-27. In an equally high scoring affair on Saturday, UTC took the Second Battalion into camp, 30-25.

The two winners will go at it to open this week's schedule on Friday evening with the Second slated to meet the Third Battalion on Saturday afternoon.

MICOM has won all three of their games with the Third in second place with a pair of wins in three starts. The First has broken even in four games, UTC has won one out of three and the Second winless in three games.

Smith scored on runs of 12 and 60 yards and then turned receiver to take scoring aeriels from Bill Madeya. One of the forwards covered 30 yards and the other, launched from the midfield stripe, put the game out of reach for the First.

The other MICOM touchdown was lugged into the end zone by Gary Reeves. A Madeya to Tom Kaminski pass accounted for the only conversion.

Eddy Carswell tallied twice for the First on short plunges and John Spencer added another from close in. Jerry Knapp accounted for the final score by returning

an intercepted pass 30 yards. Bill Nichols kicked one point and Curt Rose took a pass for the final two points.

The first half of the Saturday encounter was all Second Battalion with the UTC on the short end of a 12-0 count at half time. But the last half was a different story as Parris McGhee and Jim Murchek sparked the UTC to a strong attack and Mike Coraile paced his mates to a stouter defensive effort.

Jim Johnson, who rushed for 150 yards during the game, got the Second on the scoreboard midway in the opening period with a 15 yard sweep at the end of a 74 yard drive.

The Second was back in business a few minutes later with a sustained march from their own 20. Johnson capped the drive again by covering the last ten yards after knifing through the line.

UTC opened the second half with McGhee and Murchek dividing the hurling. Murrill Speer took a 30 yarder from McGhee for one score and Murchek tossed a 20-yard bomb to Bob Brazil for another to put their team in front, 16-12, at the three quarter mark.

McGhee drove over from the four early in the fourth and Murchek scored his third straight two-point conversion on a keeper play to make it 24-12.

The Second wasn't through yet and Roger Coleman grabbed a pass and outran the UTC defenders on a 35-yard scoring foray. Another long aerial ended in the wrong hands with Johnny Walker grabbing the interception and taking it 40 yards for the clinching score for UTC.

Coleman came right back to score on a 55-yard pass run play just before the end and Mark Hartko kicked the final point.

## Race Tightens For Bowling Engineers

The Huntsville Division, US Army Corps of Engineers HND Mixers bowling league is tightening up.

As a result of last week's activities at the Plamor Lanes, three teams are deadlocked for first place, The Lucky Dozen, 4H's, and the Tornados.

Monday's session resulted in a number of high wood falls with John Hendry's 652 series and Marge Jerge's 639 leading the pack for series with handicap.

The high scratch series for the evening and for the season so far was rolled by Imogene (Gene) Geddert.

Brig. Gen. R. P. Young's 4-7-10 conversion and Col. George Rebh's 6-7 conversion this week are examples of why they are among the high average bowlers in the league.

Almost, But—

## Civilian Honor Roll Has No Takers

Honor Roll status was beyond the reach of Supply and Maintenance League bowlers last week when a 588 count was enough to win individual honors for Art Sevigny.

It was just the second time in seven outings that nary a better than 600 total was posted by the sixty maple maulers.

Sevigny, who has made several threatening gestures at the Honor Roll, turned in his league leading total in a losing cause as Tad's dropped three out of four to the Bushwackers. Bob Hall set the winner's pace with 572 while Al Sarge chipped in with 561 for Tad's.

The hot-shooting Renegades had "one of those nights" and dropped a trio to Lily Flag but maintained

with a 560 total.

Second place in the individual firing was claimed by Les Alkenburg whose 580 paced the Chiefs to three wins from the Auto Center with a 3008 total pinfall. Alkenburg got most of his mileage out of a 236 game. Jack Harris helped the cause with 544 and Hal Williams shot for 540. Ray Whalen upended 563 maples and Morgan Caudle got a 544 for the Center.

Another outstanding effort that went for naught was turned in by Jim Wiswall whose 573 was not enough to stave off a loss for the Pin Busters when Chet Wysocki's 563 was more effective for the All-Sports.

The Bombers had revenge in mind when they took to the lanes for an AMC League duel with the All-Sports last week and after thirty frames of blasting were four points closer to getting even with their rivals.

After considering the league title their own private stock for several years, the Bombers were forced to take a back seat last year when the Sportsmen showed up with a stronger claim. Last week's match was the first between the rivals this season.

Bob Brand and Jerry Keagy delivered the knock out blows that felled the defending champions with 558 and 556 respectively. Lee Keim retaliated with a 555 for the Sportsmen.

The sweep enabled the Bombers to boost their margin to three and a half points and dropped the Sports to a fourth place tie, six and a half lengths back.

The Winners took over the runner up slot by wining three from the Voyagers despite a 538 by Gaylord Huffman and the Metro-Cals grabbed third by splitting with the Avengers, as Elmer Rufe carved out a 540.

Al Rossi wasn't far off the individual pace with a 550 as the Lancers took three from the Tigers and the Sprinters took their lead from a 538 by Jim Kyzer in winning a trio from the Alley Cats.

The Travellers started slow but closed with a pair of 1079 games for a three to one margin over the Spartans as Chuck Hennis upset 548 maples.

The Relectors won three from the Bandits and the T-Birds had



SEVINGY ALKENBURG

a half point margin when Reba's Bowling Apparel suffered the same fate doled out by the Baker Real Estate five.

Joe Williams was the chief instigator of Renegade setback with a 572 and Lew Hollenback kicked in with 551 more. John Eckenroth was the most productive Realtor

## Rams End Season On Winning Note

Three long dashes from scrimmage by Mike Bucey led the Redstone Rams to a 21-6 win over the Northern Whites in a Parks and Playground Pee Wee Football league game last week.

The win enabled the Rams, coached by Jim Jones, to close out their league season on a winning note. It was their third win in seven games.

The Arsenal youths got on the scoreboard soon after the game started when Bucey broke loose around end and raced 40 yards before being stopped one yard short of pay dirt. Bobo Bearden snuck in on the next play and Gus Steenborg added the point for a 7-0 lead.

That was all the scoring in the first half but Bucey took off on another jaunt early in the third period and this time made it all the way after knifing through from 35 yards out. Steenborg once more added the point.

The hard-running Bucey added the final six-pointer late in the game on a 45-yard romp through the line. Steenborg's kick was perfect for the third time.

Coach Jones cited Mike Williams, Bill Willis, Phil Kluka and Dale Quinton for their work on offense in praising the team's blocking that was "the best it has been all year."

The Ram defenders, led by Craig Willis, Pat Mahoney, Mike Howell, Larry Silence and Steenborg, came in for a share of the credit in holding the Northern eleven to a single touchdown.



HALL BRAND the same winning margin over the Raiders.

## RSA Youths Roll To Double Win

Unleashing a devastating offensive show of strength, the Redstone unlimited division team of the Brindlee Mountain football league overwhelmed Union Chapel, 41-6, in a game played here last Saturday.

The 100-pound entry was almost as effective in racing to a 33-0 win over the UC eleven in the preliminary game.

The two Redstone teams will be back in action this Saturday with a pair of games against Union Grove. The 100 pound teams will have it out starting at six with the unlimited elevens playing two hours later.

The Arsenal youths rushed for 200 yards and took the air route for another 238 yards while holding the visitors to 153 yards. It was the seventh straight win for the unbeaten gridgers.

Robir Saccuzzo was the top Redstone ball carrying threat, picking up 80 yards in 15 thrusts. Harris had 56 yards in eight carries, Golden lugged the leather six times and gained 31 yards while D'Aquila rambled for 30 yards in five tries.

Saccuzzo scored two of the Redstone touchdowns with Wickersham, Harris, D'Aquila, Davis and Golden scoring once apiece.

## CFW Girls Open Season With Win

Defense was the name of the game last week as the MICOM girls basketball team opened another season of play in the Huntsville Industrial League with a 40-23 win over the Marshall Space Flight Center sextet.

The Civilian Welfare Fund-sponsored MICOM team will try to make it two in a row this week in a game with Space Craft at the Joe Bradley School gym. Space Craft defeated Lockheed and the favored Boeing six edged General Electric in other opening night games.

Barbara Jernigan took scoring honors for MICOM in the opening win with a 21-point spree. Gladys Hill hit for eight, Gretchen Biggam had seven and Wynelle Newton accounted for the other four points.

But it was the defensive corps that spelled the difference as they held the Marshall attack well in check. Veteran defenders, Paula Legg and Helen Smith, were joined on the starting backcourt trio by newcomer Christy Herndon. Frances Bogue and Carole Collins also performed in the backcourt to give Coach Sid Douglas a sterling defensive game.

Douglas said that the outstanding play of his defenders was very encouraging. The attack is still somewhat unpredictable although Barbara Jernigan showed in the opener that she may have the potential to replace the high scoring Yvonne Marks.

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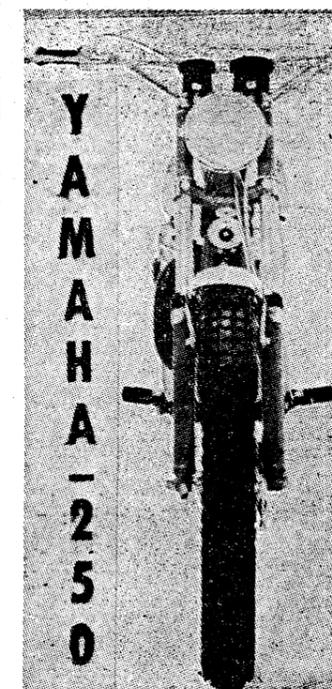
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**LIMITED WAR LABORATORY HEAD** — Dr. Russell D. Shelton, a 43-year-old supervisory nuclear physicist at the NASA-Marshall Space Flight Center has been appointed technical director of the Army Limited War Laboratory at Aberdeen, Md., effective Oct. 20. Dr. Shelton, who has been employed at Redstone Arsenal for the past 10 years, has been serving as chief of the Nuclear and Plasma Physics Division in the Space Sciences Laboratory. He is an expert in the fields of advanced propulsion and nuclear research.

About 2 million 16-21 year-olds in the labor force have not graduated from high school.

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

### GAMES LAST WEEK

200th Ord.-20—2nd ETC-15  
 1st-4th ETC-25—B Company-0  
 D Company-14—C Company-2  
 A Company-18—6th ETC-0  
 8th ETC-12—3rd ETC-6  
 9th ETC-7—2nd ETC-6  
 SOC/HHC-18—5th-7th ETC-7  
 1st-4th ETC-13—200th Ord.-6  
 C Company-13—B Company-0

### THIS WEEK'S SCHEDULE

**Tonite**  
 5:30—6th vs. 1st-4th  
 6:45—3rd vs. 5th-7th  
 8:00—A Co vs. 2nd

**Monday, Nov. 4**  
 5:30—SOC/HHC vs. B Co  
 6:45—8th vs. D Co.  
 8:00—9th vs. C Co.

**Tuesday, Nov. 5**  
 5:30—A Co vs. 5th-7th  
 6:45—2nd vs. 1st-4th  
 8:00—3hr vs. D Co.

## CIVIL AFFAIRS, STRATEGIC WAR GET SAME BOSS

Ft. Belvoir, Va.—A new institute charged with research for the Army in matters of civil affairs, psychological operations, stability operations, and unconventional warfare has been provisionally formed with headquarters at Ft. Bragg, N. C.

The Institute of Strategic and Stability Operations (ISSO) was formed by combining the former Special Warfare Agency at Ft. Bragg with the Civil Affairs Agency at Ft. Gordon, Ga. The change is basically a control measure with the Institute Commander, Col. Francis J. Kelley, reporting to the Commanding General of the US Army Combat Developments Command. The civil affairs element of the Institute will continue to collocate with the Civil Affairs School at Ft. Gordon, Ga.

The new unit becomes CDC's seventh special research and study institute. As the CDC element of the Ft. Bragg center team, it will also coordinate doctrine, materiel, and evaluation of all air movement developments.

The new provisional institute will address requirements in all intensities of conflict with special emphasis in low intensity situations, including military assistance and advisory efforts of the Army.

REPUBLIC OF KOREA's naval forces have been bolstered by addition of two U.S. Navy vessels under Military Assistance Program. Former fleet minesweeper USS Report, renamed Kojin, and a high speed patrol craft (PT 812), redesignated Olpemi, were turned over to Korean National Defense Minister Sung Eun Kim by U. S. Ambassador Winthrop G. Brown. (ANFB)





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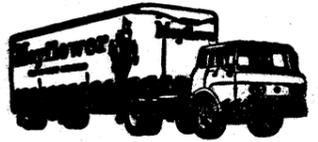
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Above payments include principal and interest. Life insurance is available at group rate on loans above \$100. Loans up to \$300 under state supervision.

Cash You Get	MONTHLY PAYMENT PLANS		
	12 paymts	24 paymts	30 paymts
\$500	\$46.81	\$24.73	
700	64.92	34.30	
1000	92.30	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 if repaid according to schedule, but do not include life and disability insurance, available at group rates.

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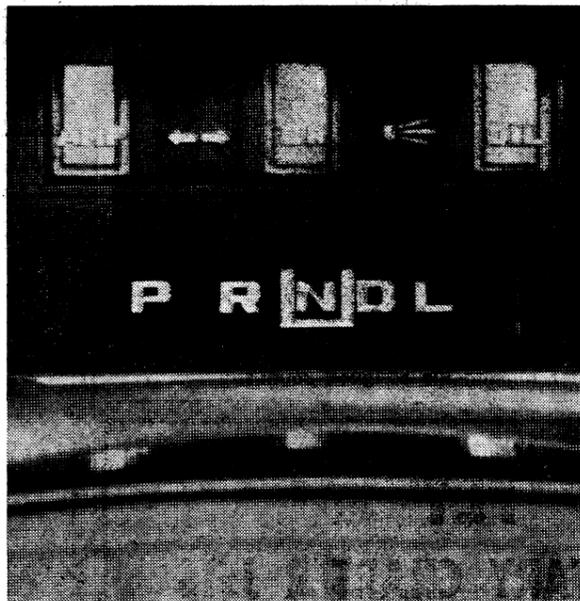
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At the same time, the Arsenal's mail distribution center handles about 15,000 pieces of mail monthly going from one office to another.

These are just a few of the little-known facts about one of the most important administrative operations carried out by the Army Missile Command's Arsenal Support Operations Directorate (DASO).

Mail distribution is accomplished centrally through the Mail Distribution Branch of the Assistant for Personnel and Administration.

The branch is headed by Raymond Little, who has been handling mail at Redstone Arsenal since 1950. His tally of intra-Arsenal mail averages 15,000

pieces a month and covers all the Army elements on the post: the Army Missile Command, the Sentinel Systems Command elements here, the Missile and Munitions Center and School. The Sentinel Logistics Command sends a messenger regularly to pick up mail addressed to them. The Corps of Engineers, Huntsville Division, receives its mail through SENSOCOM. The Marshall Space Flight Center operations on post are also serviced.

"One of the things that has helped speed mail delivery," Little said, "is that people are now using attention-lines. Less mail needs to be opened upon arrival, making it possible to work with fewer people." The peak number of employees handling mail in the Distribution Branch was 47. Now, they get the job done with 18, and sometimes a Youth Opportunity Corps employee during the Summer when regular employees normally take vacations.

Besides Little, six on the payroll (Continued on Page 9)



**OFF LOADING**—Everybody lends a hand when the mail comes in heaps. From left at the Central mail distribution center are (left to right) D. C. Cisswells, William E. Lowery, James Kelley and Will Franks.



**MAILMAN RETURNS**—Earl Towery returns to the Central Mail Distribution Center after making his assigned rounds.



**DULL DAY**—Lawrence W. Stewart finds Tuesday a dull day after the Monday deluge of mail that builds up during an average weekend. He sorts it for messengers who travel all over the Arsenal.

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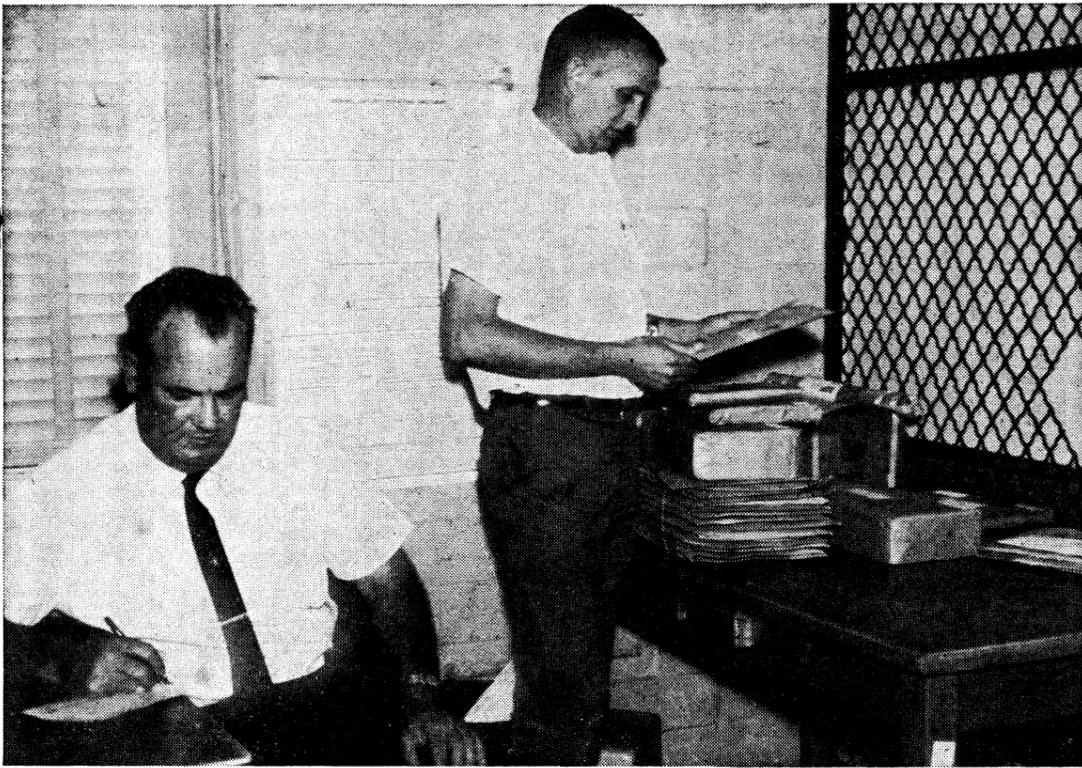
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**DOUBLY SURE**—Registered mail is checked by the mail handlers at the Central Mail station operated by the Support Operations Directorate. Seated is Raymond Little checking the U.S. Post Office receipts against the numbers being read by H. A. Kelley who analyzes and routes classified and registered items to the proper receiver.

**SYSTEM KEEPS MAIL FLOWING**

(Continued From Page 8)

have been employed since the early days of the missile program at Redstone Arsenal: James Carter, William Sisk, D. C. Criswell, Versey Thomas, Thomas Kelley and Almon McConnell.

Two went to the Army Guided Missile Agency and came back when that organization was absorbed by the Missile Command: W. Earl Towery and Lawrence Stewart.

Three others were added in that

consolidation: Theo Hughes, Barbara Kirkland and James Kelley.

Five are virtual newcomers: Peggy Boyd, Clarence Mason, Will Franks Shirley Gilmore and Dean Swafford.

Messengers log 375 miles a day on the sprawling reservation with Finance and Accounting serving as the furthest outpost. The messenger's log shows more than ten miles on a roundtrip to F and

A. That is only one of 106 mail stops logged daily.



**BELL LABS DIRECTOR CITED**—Mr. Clifford A. Warren, Executive Director of the Sentinel Division, Bell Telephone Laboratories, visited the Sentinel System Command last week for a meeting—and went home with a medal. The conference was interrupted while Brig. Gen. I. O. Drewry, Commanding General of the Command, presented Warren the Army's Outstanding Civilian Service Award. Warren is the top engineer for the Laboratories on the Sentinel ballistic missile defense system. He held similar positions on the Nike-X and Nike Zeus programs which preceded Sentinel. The Laboratories have been responsible for design and development of all three systems. The citation for the award said Warren's "exceptional achievements, patriotic efforts and personal sacrifices . . . are hereby recognized and are gratefully appreciated."

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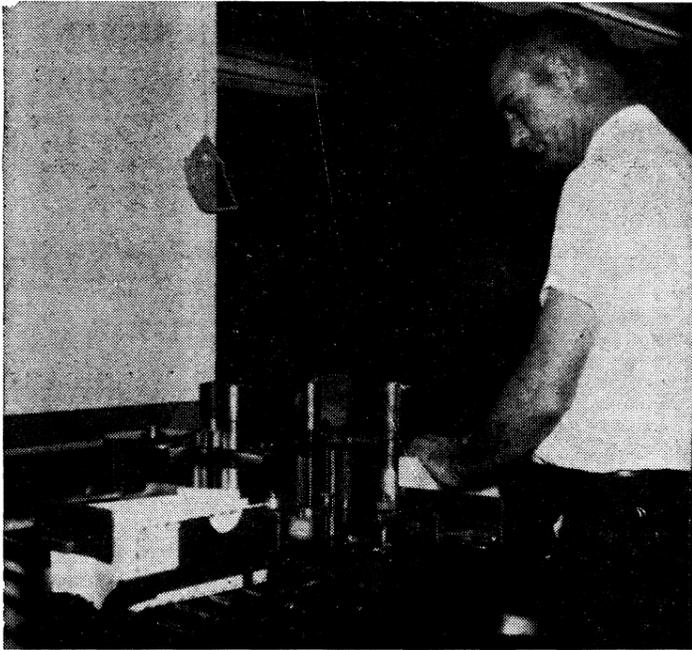
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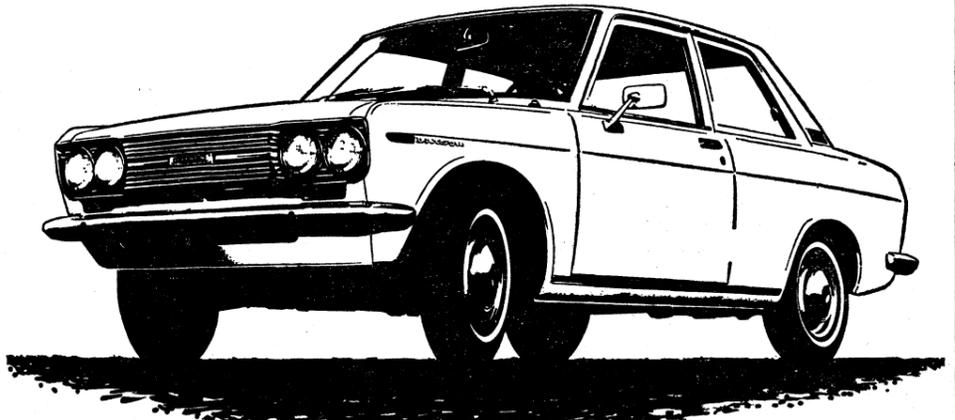
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# Leading Schools Draw Career Minded To Class

The Redeye Project Manager is included in the contingent of Arsenal personnel that have approved for advanced training sessions at Government schools, contractor plants and leading universities across the country.

Col. John Covert is spending the week at the Army's Logistics Management Center, Ft. Lee, Va., where he is participating in the Effective Briefing Techniques course along with Earl Edmondson, the deputy project manager of the Shillelagh system.

The Redstone personnel are scattered to eleven states for the class room work and will be away from their regular duties ranging from two days to eight weeks. The career development program is administered by the Training and Development Division of Civilian Personnel.

Four other locals are at Ft. Lee for training in their individual career fields at the Logistics Center. One of them, Paul Germann (P & P) will return in mid-November after completing the three-week Advanced Procurement Management course.

James Brown (Pershing), Jack Bailey (S & M) and Willard Sheppard (P & P) are there this week for Executive Systems Development.

A seven-member group left this week for Rock Island, Ill., for

classes at the Army's Management Engineering Training Agency.

Robert Dudley and Jesse Kizzort (S & M) are enrolled for Work Methods and Standards Appreciation and will spend one week at AMETA.

Lawrence Eubanks (Redeye) and Lindsey Vaught (DASO) are taking Project Planning while E. D. Wallace (Chaparral), Richard Seale (Redeye) and Robert Jones (DASO) are attending the Seminar for Middle Managers. All five will be there for two weeks.

Anna Cox (DASO) is at the Army Finance School, Ft. Benjamin Harrison, Ind., for Internal Review, and Asa Edens (Redeye) is attending the Management Systems course at the Naval Postgraduate School, Monterey, Cal., with George Smith (C & DP). Both courses are four weeks in length.

Carl Estep (Metrology) is spending eight weeks at Aberdeen Proving Ground, Md., for DC and Low Frequency at the Ordnance School, and Andrew Jones (P & P) will be in Ohio for seven weeks for Advanced Cost and Economic Analysis at the School of Systems and Logistics, Wright-Patterson AF Base.

Thomas Moore (R & D) and Melvin Bachman (Msl Intel) are participating in the Advanced Infrared class at Frankford Arsenal



**THIHKOL RECEIVES ARMY MATERIEL COMMAND AWARD OF HONOR FOR SAFETY**—Maj. Gen. C. W. Eifler, Commanding General, U.S. Army Missile Command presents the Army Materiel Command's Award of Honor for Safety to Thiokol's Huntsville Division. C. C. Lee, Director of Marketing looks on as J. F. Harbarger, Manager Safety, receives the plaque. The award was given for the best safety program within the U.S. Army Missile Command during Fiscal Year 1968. This was the second successive year the award was made to Thiokol's Huntsville Division.

and will be in Philadelphia for two weeks.

Three P & P employees are in Titusville, Fla., today and tomorrow to attend the Dragon Staff Planners course, at McDonnell Astronautics. They are Joe Hiatt, William Hawse and Helen Wilberg.

Billy McDaniel (DASO) went to Burlington, Vt., for training at the

General Electric facility. He is taking the new equipment training on the Vulcan Air Defense System lasting two weeks.

The remaining three are spending this week on college campuses for attendance for classroom work in special areas.

Kenneth Jones (R & D) is at the University of Arizona in Tucson for the Systems Engineering Institute while Donald Jackson (SENSCOM) and Harvie White (Shillelagh) are studying Special Sociological Problems at the University Of Oklahoma in Norman.

## Homestead Exempt'n Rule Covers All Alabamians Who Are Property Owners

O. Howard Moore, tax assessor of Madison County, has issued a reminder to all property owners that assessment should be made between Oct. 1 and Dec. 31 to avoid penalties.

Alabama State Law makes it mandatory for property owners to file homestead exemptions annually.

If an owner buys property during the year he is assessing the property, he needs his deed or legal description to prove ownership when he visits the tax assessor's offices. By having the assessment made early, the property owner can usually avoid waiting lines.

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

The Legion of Merit Award was presented by Col. Paul B. Schupener, Commandant, last week to Lt. Col. Robert D. Funke, chief of the Office of Doctrine and New Materiel. It was for three years' service just completed with the 7th Army Chief of Staff in Europe, coordinating activities on seven missile systems.



Lt. Col. Funke WO Callis

At the same awards ceremony, the Army Commendation Medal (1st Oak Leaf Cluster) was received by retired Warrant Officer Joseph E. Callis who worked in Ammunition Dept. until last March.

Fifteen civilians were also in line for recognition:

Sustained superior performance award—Robert P. Van Dusen and Buford J. Pressnell, Maintenance Dept.;

Quality increase and outstanding performance rating—Elizabeth H. Reynolds, Directorate of Individual Training; Jeanette V. Kinney, secretary in Training Division; and Frances P. Howren, Supply Dept.;

Quality increase — Gladys T. Mood, Maintenance Dept.;

Outstanding performance rating — Betty P. Parmelee, Extension Course Division; Albert P. West and Bobby J. Cornelius, Television Dept.;

Suggestion award —Thomas N. Hardin, power ground equipment repairman in Maintenance Dept.

Department of Army Certificate of Achievement — Asmuel Arnold, Television Dept.;

20-year certificate of service and pin—Edward O. Thomas, Artillery Weapons Branch; Daniel D. Thompson and John D. Monroe, Training Aids Dept.; and William A. Bostick, Supply Dept.

Over four and one half centuries of military careers will be represented by MMCS at retirement ceremonies on the Parade Field this afternoon, which incidentally, marks the last parade of the year.

Three officers and 17 NCO's are accepting discharge papers, and get this accumulative time in ser-

vice: 450 years, 9 months and 7 days! The longest is 29 years by Master Sgt. Robert B. Johnson. The retirement list:

Lt. Col. Robert W. McRae, Lakeland, Fla., commander of EOD Detachment No. 1 at Indianhead, Md., 23 years;

CWO Joseph J. Khari, Akron, Ohio, EOD Det. No. 1, 27 years;

CWO William G. Duncan, Huntsville, Technical Inspection Branch, 25 years;

Master Sgt. Johnson, Jacksonville Beach, Fla., Co. B, 29 years; (pending board action);

Master Sgt. James M. McGill, Huntsville, School Brigade operations sergeant, 20 years;

Master Sgt. Leroy W. Scholbe, Huntsville, Combat Support Missile Division, 24 years;

SFC Sandy G. Banton, Jr., Lewisburg, W. Va., Ammunition Dept., 26 years;

SFC James R. Cheatham, Haleyville, Headquarters Co., of Unit Training Command, 20 years;

SFC John J. Hodoroff, Eden, Wis., Land Combat Division, 22 years; SFC Billy J. Ikemire, Oblong, Ill., Ammunition Dept. operations sergeant, 22 years;

SFC Stanley J. Koryta, Huntsville, Hawk CW Radar Branch, 22 years;

SFC Cleo Larsosa, Huntsville, Electrical Branch of Missile Components, 23 years;

SFC Robert L. McCardle, Rich-ton, Miss., Vulcan Section of Artillery Weapons, 20 years;

SFC Edward Starkey, Huntsville, Co. A, 20 years (medical board pending);

Staff Sgt. Harold Boyd, Feeding Hills, Mass., TV Applications Division, 22 years;

Staff Sgt. Everette K. Denning, Perkinston, Miss., Hawk Division, 20 years (on TDY, pending);

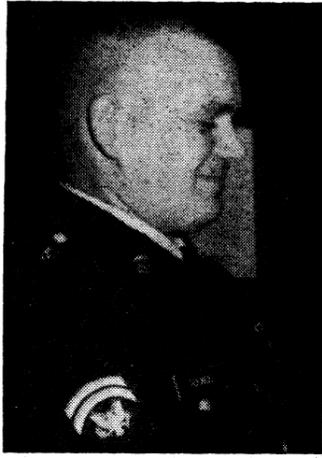
Staff Sgt. Dale R. Lauffer, Tulsa, Okla., Pershing Division, 20 years;

Staff Sgt. James A. Parchman, Bolivar, Tenn., 7th ETC, 25 years (in hospital, pending);

Staff Sgt. Barney L. Worden, Salt Lake City, Utah, Co. D, 21 years;

SP6 John C. Krebs, Huntsville, Co. B, 20 years.

SP6 Arlan E. Rounds became the second man from MMCS to graduate from the 3rd Army NCO Academy at Ft. McClellan as top man in his class. He is an instructor in Nike Division from Co. C.



SP6 ROUNDS

who was No. 1 in Class No. 5 of fiscal year '69.

Staff Sgt. Wendell S. Holmes of Co. A, who works in Nike Maintenance, returned with first rating from Class 1 last April.

**OTHER NAMES IN THE NEWS**—Lt. Col. George A. Steenborg received a farewell award of the Army Commendation Medal (1st OLC) for service with the Combat Development Command Maintenance Agency here. He has now departed for the Army Missile Command Liaison office on Okinawa . . . The School Brigade Best Mess Award went to Staff Sgt. J. B. Deason at

Mess No. 1 . . . Welcome to newcomers Capt. Martin Miller, Lt. William Van Cleaf . . . The 200th Ordnance Detachment completed with flying colors the annual Army Testing and Training, which is administered by the EOD Division right here.



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# Romance Buds Among Advanced Experiments

Ordinarily a marriage license notice in a Lowndes County, Mississippi, newspaper would hold no great interest for people at the Army Missile Command.

This one was a little different as it marked the culmination of a romance that began in the Missile Command's Research and Development Directorate between two co-op students, Mary Lynn and Charles (Chuck) Bailey.

Although they are both from Mississippi State University, they had not met until they were both working in Redstone labs, Mary Lynn in the Advanced Systems, and Chuck in Advanced Sensors.

They were married at the end of August in Mary Lynn's home town, Columbus, Miss.

They have been going to school a semester, and working a semester under the co-op program. Chuck had heard of the program before he started to college as he had been looking for ways to help pay his way, but it was a new idea Mary Lynn found out about after she got to school.

Mary Lynn is majoring in aerospace engineering and Chuck in Electrical. They say that the work they do in Redstone Laboratories gives them a deeper insight into their college courses.

Lively Mary Lynn said she became interested in engineering because it is her father's profession. For Chuck, it is a continuation of a life-long interest in electronics. "I've always liked to tinker with electronic devices," he said seriously. He counts electronics as one of his hobbies, and his extracurricular activities include the Air National Guard in Mississippi and flying. He is a pilot.

He spent three years, nine months and 17 days, to be exact, in the Air Force as a radio relay equipment repairman.

While working at Redstone, Chuck is taking business courses at the University of Alabama, Huntsville, as he wants to get a double degree—one in engineering and one in business management.

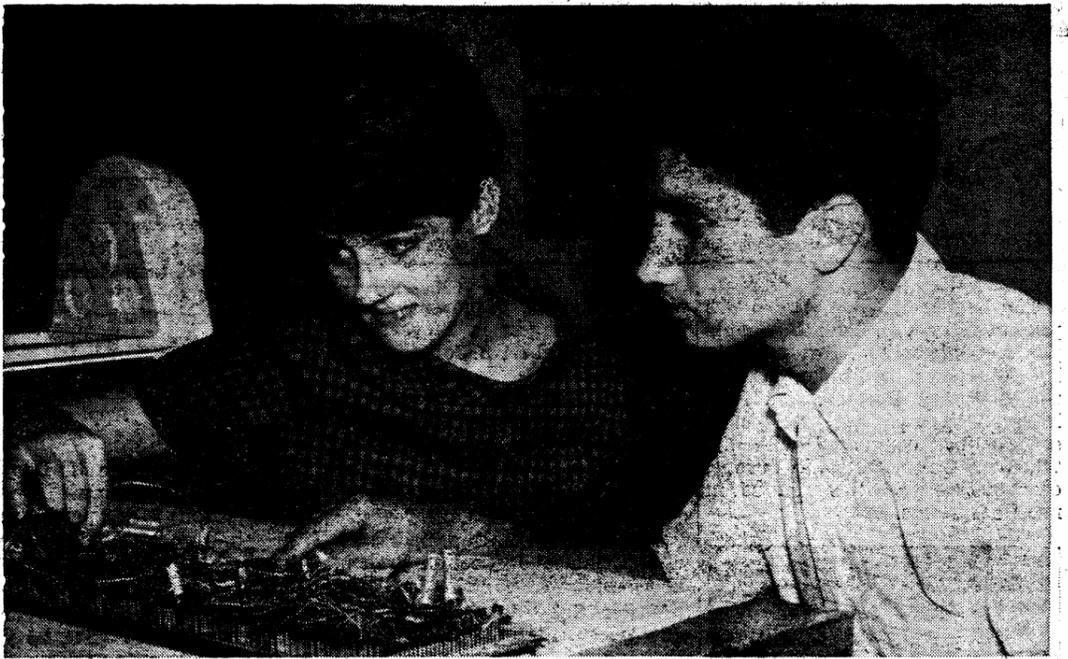
"This will take Chuck five years, but I should be through college sooner," Mary Lynn said.

In the Advanced System Lab, Mary Lynn is helping work on a jet engine model. This lab evolves and synthesizes advanced weapon system concepts for Army applications.

And in the Advanced Sensors lab where research is conducted for advancing the application of electromagnetics technology for Army weapon systems, Chuck is making a study of trajectories for radar simulation.

Chuck's last station with the Air Force was in England, and he and Mary Lynn hope to have an appointment over there some day.

Mary Lynn is the daughter of Mr. and Mrs. Bill J. Frazier, 324 Taylor St., Columbus, and Chuck's parents are Mr. and Mrs. L. J. Bailey, P. O. Box 1791, Meridian, Miss.



**BUDDING ENGINEERS**—Two co-op students who met at the Army Missile Command and were subsequently married, Mary Lynn and Chuck Bailey, study a mathematical model for a simulation using integrated circuits in one of the Missile Command's Research and Development Directorate laboratories. Both students are from Mississippi State University.

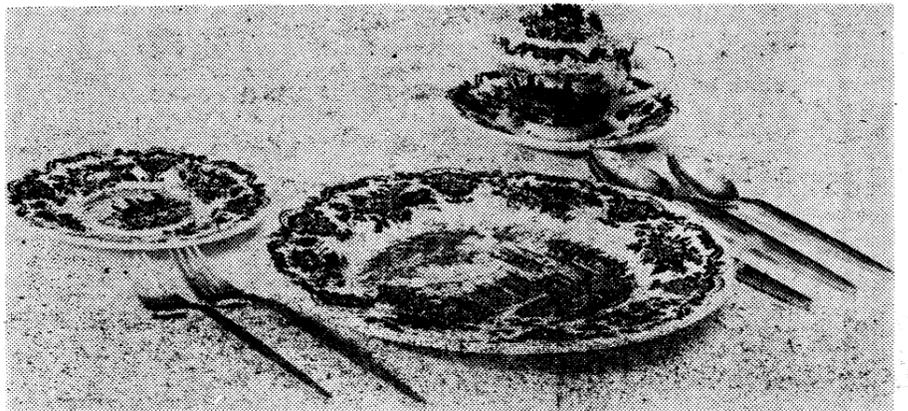
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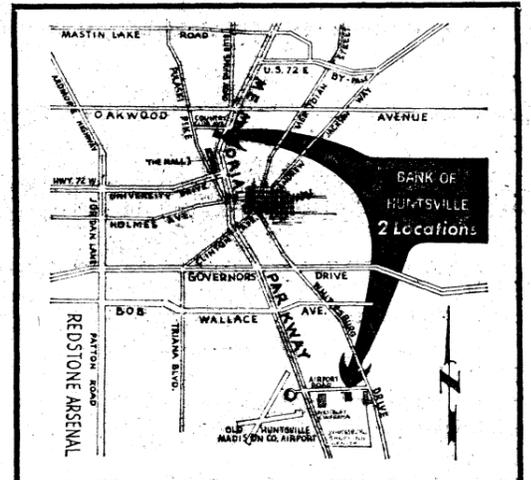
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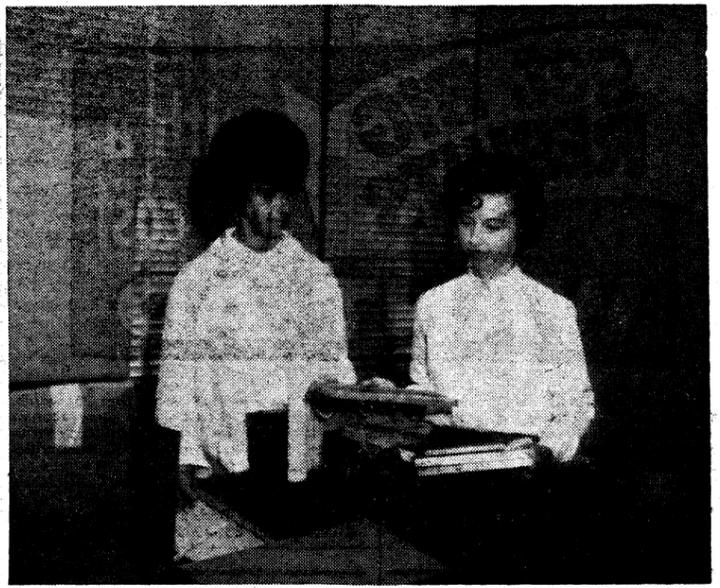
starring **Peter Ustinov**  
**Maggie Smith**  
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**SIGNAL GROUP**—Being welcomed to Phase II of the Army-wide Signal Instructors Conference at Ft. Monmouth by Col. Theodore F. Schweitzer, director of instruction at the Army Signal Center and School are: (l to r) L. W. Barte, headquarters, USA Strategic Command, Ft. Huachuca, Col. Schweitzer, M/Sgt. Paul W. Muuss, U.S. Military Academy; Col. Thomas D. Bledsoe, Missile and Munitions Center and School, former Signal School chief of staff; and Lt. Col. Warren R. Colville, Oberamergau, Germany, formerly chief of educational TV at the school.



**ROOM FOR ONE MORE**—Packing for move to new "home" this week are Sergeant Project Office employees Sally Holt (left) and Bettye Matkin. Several Missile Command organizations are involved in the move. Sergeant Project Office is moving from Building 5250 to Redstone Road near the Rocket Auditorium. Sergeant's System Support Division will occupy Building 7132, with other elements occupying Building 7156. The Dragon Project Office will temporarily occupy the space vacated by Sergeant and the Missile Intelligence Directorate will move into the area vacated by Dragon. The Air Defense Control and Coordination Systems Office, which formerly was located on Redstone Road, has now moved to Building 4488 on Martin Road. All organizations will keep their present telephone numbers.

## CONARC Offers Courses For Inexperienced Men To Bridge Know-How Gap

Ft. Monroe, Va. — The United States Continental Army Command (USCONARC) is stressing the need for inexperienced officers — especially those assigned as platoon leaders, company commanders, and battalion staff officers — to take advantage of educational materials which can help them in their jobs.

Reports show that the average newly-promoted captain (usually with less than 30 months military experience) often lacks enough experience or formal training to fully prepare him to command a

company/battery level unit.

While basic officer courses provide the newly commissioned officer with a basic military foundation, several years elapse between the basic course and the advanced career course. USCONARC officials thus see a definite need for a "bridge" to close the educational gap between the two courses.

Never before has the Army published so many reference pamphlets and other educational materials, a USCONARC spokesman explained. Yet, many young officers are not aware of, or do not

take advantage of, the materials available.

For example, DA Pamphlet 350-60, announcement of Army extension courses, lists more than 1600 subcourses. These include most of the subjects taught in residence at the 26 USCONARC schools located throughout the Continental United States.

By using the correspondence courses, handbooks, special texts, lesson plans, practical exercises, manuscripts, and supplemental materials available at USCONARC schools, young officers can conduct their own "on-the-job-training educational programs."

Officers desiring to take correspondence courses or secure educational materials should write to the school concerned (ATTN: Department of Nonresident Instruction). Additionally, the school will recommend courses for any officer who is in doubt as to which

## Local Men Attend AUSA Annual Meet In Washington

WASHINGTON, D.C.—The 1968 Annual Meeting of the Association of the U.S. Army will be adjourned tonight following an address by General Maxwell D. Taylor at the George Catlett Marshall Memorial Dinner.

The Annual meeting has been in session since Monday and has featured addresses by the Secretary of the Army and other key mili-

course will help him most in performing his job.

tary figures.

Hardware on display in front of the Sheraton-Park Hotel during the Annual Meeting has included the Lance Missile, carrier mounted, and the Hawk Simulator System.

Other missile systems featured in contractor displays in the inside exhibit hall include Pershing 1-A, Redeye, Shillelagh, Chaparral and SAM-D.

Members of the Tennessee Valley Chapter who are attending the Annual meeting are:

Brig. Gen. Robert B. Spragins (USA Ret.), Chapter President, Col. Paul B. Schuppener, Commandant, U.S. Army Missile and Munitions Center and School, Sgt. Maj. William Pansiek, Sgt. Maj. John Monger, William P. Owens, C. C. Lee and Fred Glickman.

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4 dr. hardtop, factory air, full power, first set of brand new tires installed last week. Confederate Gold bottom with beige vinyl top and beige interior with Governors arm rest. Full price \$3488.

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4 dr. sedan, air conditioned power steering 396 engine excellent Atlas tires \$1968.

#### 1952 FORD 2 dr.

16,000 actual local miles, tested spare tire never used. Congressional interest requested. \$5 down, \$40 per month. First payment November 5. **SOLD**

#### 1964 BUICK SKYLARK 2 Dr. Hardtop

factory air, full power, black interior, red outside with no guidelines, near new tires integrated black and white. Full price \$1399.

#### 1960 CHEVROLET IMPALA 4 dr. Hardtop,

35,000 actual miles, Confederate gray with red interior, 283 engine, powerglide transmission, cleanest in Alabama. Just make payments.

#### 1965 BUICK WILDCAT 2 dr. Hardtop,

full custom, seafoam green with black leather interior, factory air and full power. Wholesale \$1785. Full bank financing available.

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**FOR SALE**—1957 Dodge 9 passenger wagon \$100.00. Call 881-4960 after 4 p.m. 1tc

## 3. Miscellaneous

**WANTED**—Leading Life Insurance Co. has opening for 2 full time salesmen and 3 part-time salesmen. Call Tillman Williams, 534-7336 or apply 900 Wellman Avenue. 11-13-68

**TYPEWRITERS**—Reposessed electrics pay off balance or takeup payments—Underwood Electric \$91.68 or \$5.31 a mo. Remington Electric \$108.00 or \$5.59 a mo. Royal Electric \$114.48 or \$5.95 mo. Call 881-5510—9 to 5:30 p.m. tfc

**SAILBOATS** — New Sailfish-Sunfish-Catfish-Thistle-Columbia. Used: Mariner-Lighting. Sailboat hardware-paint-schereck sails. Dial: 536-7475-534-5178. Cox's Yachts. 11-20-p

**FOR SALE**—2 fish tanks, 1-ten gallon—1-five gallon, all accessories and fish. Phone 859-1632. 1tc

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## University Offers Laser Principles Short Course

November 18-22, 1968, a short course, "Laser Principles and Technology," will be presented by the University of Alabama in Huntsville.

This course will provide an introduction to the basic principles of operation of lasers and to the latest laser technology. It will provide attendees with sufficient familiarization with these principles and technology to allow effective use and understanding of current literature and research and development in this field.

It is intended for scientific and engineering personnel interested in the field of laser-quantum electronics, and is designed for persons having no prior extensive background with lasers. It should also be useful to persons already working with lasers.

This course will include the basic optical quantum theory

## 5. Houses, Lots - Sale

**FOR SALE IN HARTSELLE**—Modern ranch-type home on corner lot, 110' x 145'. Nicely landscaped, lots of trees, back yard fenced. Large rooms, double carport and driveway. Natural fire place in living room and den. Exceptionally well insulated. Storm sash and heat pump. Shown by appointment. Phone W. G. McCombe days 353-4215 nights 773-6282. tfc

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**CHRISTMAS AT REDSTONE**—Arthur Christmas (third from left), Royal Armament Research Establishment, Ministry of Defense, Ft. Halstead, Kent, England, examines a Littlejohn thrust floater gyroscope while visiting the Army Missile Command recently. From left are: Eric Thomas John Davis, Royal Armament Research and Development Establishment, Ministry of Defense, James C. Katchis, Future Missiles Systems Division, Missile Command Research and Development Directorate; Christmas; and Bobby J. Clayton, Army Inertial Guidance and Control Lab and Center, Research and Development Directorate.



**SOCK IT TO ME**—One of the more than 2600 civilians who received flu immunizations over the past several weeks braces for the shot—a position the medical technician deplors. Reactions to his gun ranged from the gay "I don't care" smile to the "I know it's going to hurt but I'll endure it" grimace. Army medical technicians administered the shots and the Occupational Health Services staff coordinated the flow of personnel. People were processed in two-hour periods. The first day the que reached from the motor pool into the old Post Hospital's inner corridor.

## Chaplain Workshops To Be At White Sands, Redstone

Army Materiel Command Staff Chaplain (Colonel) Lee A. Cousin leads a panel of 12 AMC chaplains who will meet for a three-day workshop at White Sands Missile Range, N. M., Nov. 22-24.

The workshop is the first of our such conferences that will be conducted at AMC installations by a two-man team composed of White Sands Missile Range's Chaplain (Lieutenant Colonel) Frank J. Riley and Byron B. King, a retired Military Police officer.

The objective of the workshop, titled "The Chaplain as Counselor," is to provide training in skills, procedures and techniques, and new advances in the field of counseling which will enable chaplains to perform their missions more effectively.

Following the workshop at White Sands, Chaplain Riley and King will conduct similar sessions at Aberdeen Proving Ground, Md.; Fort Monmouth, N. J.; and Redstone Arsenal, Ala.

A resident of Las Cruces, N. M., King retired in 1962 after serving 20 years on active duty with the U. S. Infantry and the Military Police Corps. The Colonel, who was interested in suicide prevention

and investigation during his military career, is now affiliated with the Dona Ana Mental Health Services.

He also has been a frequent guest lecturer at New Mexico State University and once served as a consultant to the Medical School of the University of New Mexico.

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