

The Redstone Rocket

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VOL. XII; NO. 48

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

APRIL 15, 1964

**Arsenal-Wide
Spot News
Dial 877-2164**

Redeye Production To Begin At Pomona Soon

U.S. LADY FEATURES REDSTONE

Redstone Arsenal is featured as Post of the Month in the April issue of U. S. Lady.

U. S. Lady is distributed nationwide. Slanted to wives of men in the Armed Forces it is billed as the magazine "the better half of the military read."

The Redstone issue has a full-color cover picturing Mrs. Bernard R. Luczak, wife of the Mauler Project Manager, and Mrs. John S. Farrington, whose husband is assigned to the Nike-X Project Office, with a Hermes missile and Goddard House in the background.

The story of Redstone begins: "The U. S. Army's Redstone Arsenal, Alabama, deep in the heart of Dixie, is today the bustling intersection of yesterday and tomorrow."

It is a comprehensive historical sketch of Huntsville and Redstone Arsenal, also describing the work going on at the Arsenal today. The article is generously illustrated with photographs taken here.

A biographical sketch of Mrs. John G. Zierdt, wife of the Missile Command's Commanding General, and a food section on southern cooking are other features.

Lead story of the issue is the editor-publisher's report on Mrs. Lyndon B. Johnson's recent visit to Huntsville.

The Post-of-the-Month story is introduced by Senator John J. Sparkman of Huntsville who said: "I am very proud of what has been accomplished at Huntsville in keeping the United States and the free world in the lead in missile development and defense and in achievements in the field of space exploration."

Copies of the April issue of "U. S. Lady" are available at the Post Exchange, downtown news stands, and from members of the Redstone Officer's Wives Club.

AUSA Initiates Its Membership Drive

A final planning session will be held tomorrow to initiate a campaign aimed at more than doubling the current 1,400 membership of the Tennessee Valley Chapter of the Association of the United States Army.

J. A. Muller, campaign chairman, will report the details of the campaign plans to the chapter Board of Directors at a noontime meeting on Redstone Arsenal.

Key dates have been set for the membership drive which chapter officers hope will make the local chapter the largest in the national organization. The seven-area membership drive will begin (See AUSA DRIVE on Page 3)



COVER GIRLS:
Mrs. B. R. Luczak and Mrs. J. S. Farrington

JOINT FUND CAMPAIGN IS ALMOST OVER

Only the final clean up remains in the most successful Joint Fund drive ever held at the Arsenal with nine individual organizations having reached 100 per cent participation in both sections of the overall drive.

Three other units attained 100 per cent in one of the drives but fell short in the other.

The Research and Development Directorate led the way for five new organizations that joined the 100 per cent club during the past week. Other additions to the honor roll include the Office of the Deputy Commanding General, Air Defense Systems, Special Assistants & Liaison Offices, Management Sciences & Data Systems Office, and the office of the Judge Advocate.

Actually the latter organization laid claim to participation totaling 109 per cent. This is the result of a driver, assigned to the office, making a donation there in addition to making one in his assigned organization.

The closed envelope campaign in support of the National Health Agencies and the Joint Crusade will wind up a four-week drive tomorrow. The final participation (See JOINT FUND on Page 3)

Army Lets 2 Contracts

The U. S. Army has awarded an \$8,240,710 cost-plus-incentive-fee contract to General Dynamics, Pomona, California, to start production of its shoulder-fired Redeye air defense guided missile, the Department of Defense has announced.

At the same time, General Dynamics was also awarded a \$4,981,648 cost-plus-fixed-fee contract for engineering services on the Redeye missile.

Earlier last week, the California firm received a \$4,759,284 award for continued research and development work on Redeye.

Development of the weapon, the world's smallest guided missile, has been jointly funded by the Army and the Marine Corps. Delivery of production line missiles will be made to the U. S. Army Air Defense Board, Fort Bliss, Texas, where troop testing will be conducted when available. As is normal in all missile programs, development work is continuing.

Simultaneous with this announcement, the Army released photos and motion pictures of recent tests. The photos showed the Redeye being fired by a soldier and scoring direct hits on unmanned drone aircraft.

Designed to be carried into com- (See REDEYE on Page 8)

Gen. Zierdt Extols Role Of Women

The important role of women in the Army's missile program was emphasized by Maj. Gen. John G. Zierdt, the Army Missile Command's Commanding General, in a talk to the Redstone Arsenal Officers Wives Club yesterday.

He spoke to the more than 160 club members and their guests at a luncheon meeting in the Squirrel Hill Officers Club.

The general introduced five women who are working at Redstone, and described the positions held by each to illustrate both the type of missions the Army has here, and the vital role women have in the missile programs.

He also pointed out that the most important job of all is that of wife and mother, the role fulfilled by Army wives in his audience.

In setting the mood for his address, Gen. Zierdt said "At Redstone Arsenal, women are twice as important as missiles." He then held up a copy of the April issue of U. S. Lady magazine which has a photo of an Army missile and two Army wives on the cover, Mrs. Bernard Luczak and Mrs. John Farrington.

Representing the various Army elements at Redstone were Lt. Col. Mildred M. Ferguson of the Ordnance Guided Missile School; Mrs. Edith Gibbs from the Missile Command's Supply and Maintenance Directorate; Mrs. Sara Bruce, Nike-X Project Office; Mrs. Cleo Cason from the Redstone Scientific Information Center; and Mrs. Josephine Smith of the Army Missile Support Command.

Gen. Zierdt assured club members and their guests that the (See WOMEN on Page 3)



LOOKING AT HAWK—Looking at the Hawk Missile are a part of the more than 300 Cadette Girl Scouts and their leaders, from five North Alabama Counties, who toured facilities at Redstone Arsenal last weekend. From left are Mrs. Richard P. Davidson, chairman for Girl Scout activities on Redstone Arsenal; Mrs. Alfred Holston, one of the leaders of Redstone Troop 196; Scouts Debbie Thacker and Diane Latham, both of Albertville and Mrs. Austin Gabel, Cadette Program Adviser of the Sommajade Council which includes five counties.

BLOODMOBILE

The Red Cross Bloodmobile is at Bldg. 7110 today from 8:30 a.m. until 2:30 p.m.

The Military Police were the top Military unit last month in percentage of donors.

Some of the blood went to Alaska for earthquake victims.

The Redstone Rocket

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

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

The Redstone Rocket is distributed free of cost to personnel at Redstone Arsenal. Mailing rates off post for the Rocket are \$6.36 a year, or \$3.50 for six months, tax included. Mailing arrangements may be made with the publisher, P. O. Box 520, Huntsville, Ala.

Rocket Ruminations

HISTORY LESSON

We can learn what to avoid from history's bad examples, and from her fine men we can learn what goals to seek. But we are not warned of the dangers of inactivity because history does not record the story of those who never tried.

—Ellsworth Kalas

A Job For Us All

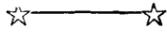
Traffic accidents on Redstone Arsenal have increased during the past few weeks.

Several were recorded last week. There were serious injuries in one of them.

This should be a matter of personal concern to each of us because the next accident could involve "me."

We drivers are the ones who can stop this increased accident trend in a hurry. By being more alert, careful, and paying close attention to traffic regulations, we can make the difference.

It should be worth it to all of us.



Reading Is The Key

National Library Week officially began last Sunday. Librarians across the Nation are pointing up, with exhibits and displays, the storehouse of knowledge man has gathered across the centuries and set down for anyone who cares to pursue.

Every conceivable subject is covered in a library somewhere. Many a man or woman has found a "prime path" that led to greater accomplishments. The information in a book intrigued, delighted or challenged the reader into exploring beyond the scope the author of the work had gone.

"Reading is the Key." It is also the theme of National Library Week, 1964.

Reading is fun, too!

Security Seminar Is Scheduled Here

The Army Missile Command will host some 300 military and industrial leaders of the country next week for a two-day seminar of the Maintenance Advisory Committee of the National Security Industrial Association.

Sponsored jointly by the NSIA and the U. S. Army Supply and Maintenance Command, the meetings will be held in the Rocket Auditorium on Tuesday and Wednesday. The Missile Command's Supply and Maintenance Directorate is the hosting organization.

Brigadier General H. P. Persons, Deputy Commanding General, Air Defense Systems, will welcome the conferees and Colonel Robert W. Grote, Director of the Supply and Maintenance Directorate, will act as chairman. The conference coordinators are J. B. Thompson, U.

S. Army Materiel Command; R. E. Walsh, NSIA secretary; and Clarence Bradford, of the Missile Command.

The seminar was called as a meeting of the Spares Provisioning Panel of the Maintenance Advisory Group, however, the presentations will not be restricted to this area.

Other presentations will consist of discussions relative to provisioning, supply management, configuration management and documentation, and maintainability programs for military weapon systems and equipment.

At the conclusion of the meetings the conferees will be given an indoctrination tour of Missile Command facilities and those of the Marshall Space Flight Center. An outgrowth of the war-time

Navy Industrial Assn., the National Security Industrial Assn. was created by the late Defense Secretary, James Forrestal. His purpose was to assure a close working relationship between the defense establishment and industrial concerns so as to protect and advance national defense.

Its membership numbers representatives of every important industrial concern in the country. They meet periodically with government representatives to discuss problems and developments of mutual interest to both the service installations and industry.

A major portion of the seminar here will be concerned with the application of maintainability techniques to the Army rocket and missile program, and to provisioning within the supply and maintenance operation.

Presentations are planned by personnel of the Lance Project Office and the Mauler Project Office covering the maintainability program and the documentation control for each of the systems.

Department of Army uniform provisioning procedures will be discussed by G. F. Wickham, of the office of the Deputy Chief of Staff, Logistics, and local Supply and Maintenance personnel will make several presentations on Missile Command provisioning operations.

JOINT MEET OF ENGINEERS

Professor George C. K. Johnson, head of the Industrial Engineering Department at the University of Alabama and Professor Charles Cobb, head of the Industrial Management Department at Auburn University, will address a joint meeting of the North Alabama and Birmingham Chapters of the American Institute of Industrial Engineers. (AIIE). The topic under discussion will be "Present and Future of Industrial Engineering and Industrial Management."

The meeting will be held in the Bankhead Hotel on next Monday, in Birmingham. Social hour begins at 5:45 p.m. dinner at 6:30 p.m. and speaker at 7:30 p.m.

Gen. Losey Will Speak At Transportation Meeting

Brig. Gen. Melvin D. Losey (Ret.), assistant vice-president, Southern Railway System, will address the Huntsville Chapter of the National Defense Transportation Association during the monthly dinner meeting at 6 p.m. tomorrow in the Squirrel Hill Officers Club.

All members of the Huntsville Chapter, NDTA, guests, and any other persons interested in becoming members are invited to assemble at the Officers Club at 1 p.m. tomorrow where transportation will be provided to take the entire group on a tour of Redstone Arsenal.

Included on the tour will be a visit to Headquarters, Army Missile Command for presentation of special transportation films, tour of the Pershing test area, the Marshall Space Orientation Center, and the Redstone Airfield where the modified Boeing 377, commonly known as the "Pregnant Guppy" will be on display.

This aircraft will be of interest to NDTA members due to the unique method of loading permitted by virtually splitting the aircraft in half.

After the tour a social hour will begin at 5 p.m. at the Hawk Room of the Officers Club, followed by General Losey's address.

General Losey entered the field of transportation early in his Army career and served in various capacities in the field all over the world. His assignments included Transportation Officer for the Far East Command, the Fourth Army, U. S. Army Pacific; Chief of Staff, U. S. Army Transportation Training Command, Fort Eustis, Va.; Director of Military Operations, Office of Chief of Transportation; CG, Army Aviation Depot Maintenance Center; Director, Transportation & Installations, Supply & Maintenance Command in Washington, D. C.

As assistant Vice-President, Southern Railway System, with headquarters in Washington, he is concerned with the logistics, pricing and sale of the railway's services with emphasis on the low cost movement of freight in containers.

All members are urged to be present at this meeting.

TENNESSEE ALUMS TO MEET

The annual Middle Tennessee State College alumni banquet will be held at 6:30 p.m. Thursday at Michaels restaurant (Holiday Inn) on North Memorial Parkway. The guest speaker will be Dr. G. Parchment. For reservations, call 876-1835 or 539-5086.



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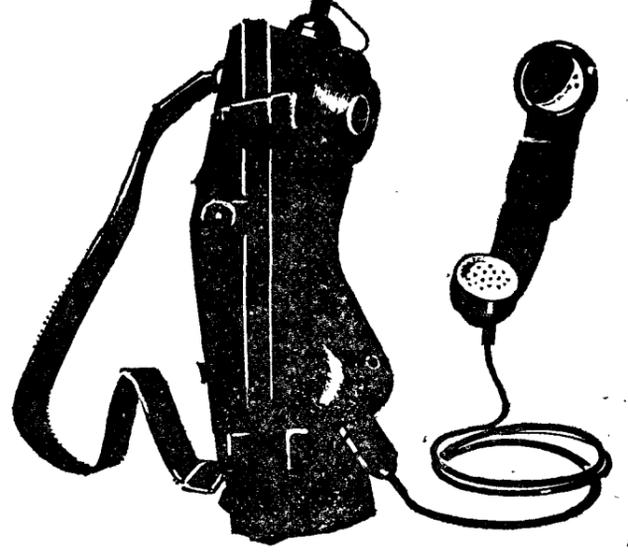
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2000	78.96	96.13	181.96

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It Takes Imagination To Train Missile Men

"We are limited only by the horizons of our imagination," C. J. Markvart is fond of telling civic and school groups.

Imagination is his stock in trade. Markvart is chief of the Training Aids Branch of the Army Ordnance Guided Missile School and, as such, directs a broad organization which uses anything from a marking pen to the latest electronic reproduction equipment to lathes and heavy mechanical machines to produce graphic aids and illustrations for missile maintenance instruction.

"We're not missile men," he says. "Our job is to equip missile men with everything they need to teach future missile men."

The Training Aids Branch employs a wide variety of skilled personnel both civilian and military, who support missile maintenance instruction by turning out "mock ups," textbooks and projectible items for classes; photographs, slides and other visual material for training and public information; and reproducing written material for intraschool communication.

Co-ordinating this effort is J. D. Monroe, deputy chief of the Branch. He manages a variety of skilled personnel in more than 1,000 work orders a month. "It's quite a job," Markvart says of his dependable aide. Monroe constantly seeks out the latest high-speed

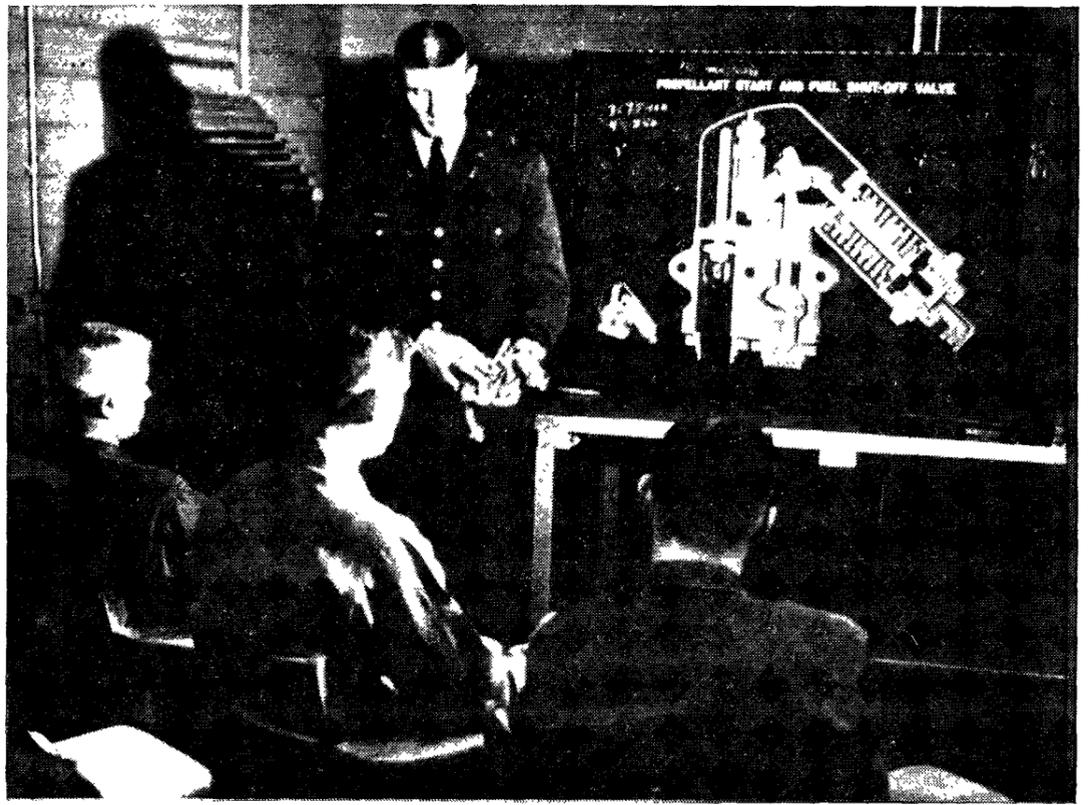
methods of providing high-quality work and sums up his work with a blunt statement: "If it works, it's obsolete."

In all, 32 enlisted men and 45 civilians plan, produce, store and distribute these materials. The work includes producing textbooks used in all classes at the "Missile Academy"; building models of missiles and missile components for teaching aids; making graphic displays for public showings; keeping the files of all master art work up to date; and supporting the Television Branch with visual materials.

Each month Training Aids average 1,000,000 pages of reproduced written material, 3,500 photographs—mostly color—and more than 1,700 other pieces of art work. "We try to do as much mechanically as we can," Markvart says, "to keep cost down and to meet tight schedules."

To keep up with the demands of OGMS and world-wide missile maintenance activities, Training Aids utilizes several of the latest electrostatic reproducing machines, a wide variety of composing machines, automatic color photography developing equipment, and some of the latest mechanical machines for making "mock ups" and other training devices.

Four or five men have a full-time job producing art work to illustrate technical and training



MOCK UP—"Mock ups"—such as this static model of fuel shut off valve—are one of the main products of the training devices section of the training aids branch. In addition, the devices section turns out public displays and practical operating models for use in classrooms. One of the big projects in the works for the section is a mobile trailer for public display utilizing models built in the section and photographs and slides produced by the photography section.



ILLUSTRATIONS—Draftsmen and illustrators begin to put down a new graphic aid idea onto paper. This department is one of the most versatile in the training aids branch, using just about anything from a marking pen to the latest in "head" setters—machines that produce printing on celluloid strips, thus cutting down old fashioned methods of drawing each letter or character or cutting them from style books.

manuals under the direction of SSgt. Richard Maroon. Several persons, almost entirely enlisted personnel, are used in the drafting department to draw up charts, master art work for slides, and other illustrative material for general distribution, under the guidance of SSgt. D. L. Carrol.

J. D. Clayton directs three civilians and three enlisted men in the Photographic Unit and nine civilians run the offset processing machines in the Reproduction Unit, headed by J. L. Sapp.

In addition, several members of the staff are kept busy keeping the files up to date—"a tremendous job that often is overlooked," Markvart adds. The operating elements of the Branch benefit from the efficient administration of Mrs. Robert T. King, who oversees the filing section and is responsible for securing supplies. Her work makes possible the timely fabrication of the Branch's products, Markvart says. She controls the many requirements placed on the "masters" unit, which is responsible for filing the 75,000 master art works and keeping up with constant revisions and for distributing reproductions to any agency that needs them. This last job includes sending materials to other Army schools, all U. S. military services and other defense agencies, and to U. S. allies abroad. The staff, directed by Mrs. Vernon T. Wooten, handles more than 22,000 pieces a month.

"This is really the heart of our work," Markvart says. "With these files we can quickly reproduce anything we have ever done or can provide pictures, slides and other illustrations to agencies immediately."

Training Aids also is responsible for storing and supplying training and technical manuals. The Training Publications section, under J. E. Cowan, keeps a complete library of Army manuals that are likely to be used at OGMS. It handles more than 19,000 line items a month, averaging about 30 pieces to the line item, including pamphlets ranging from the latest revisions in missile maintenance technology to man-

uals of drill and ceremonies.

The key mission for the Branch, however, is to aid instructors with whatever visual aids that may help them make missile maintenance training understandable to their classes. A great deal of this material is needed for television classes. When an instructor needs some sort of training device or graphic aid, he meets with Markvart and a draftsman or the chief of the graphic arts section, T. H. Darling. Darling is especially helpful for work to be done for the Television Branch because of his wide experience in the New York area for years as a free lance operator. He views his job as one of "turning problems into challenges."

After an instructor confers with Branch officials and a decision is made on what is needed, a rough version is drawn up. Then the instructor is brought in and the "product" is discussed. In the give-

and-take between the Branch staff and the instructor, a version is finally agreed on that the instructor can use and that the Branch can produce.

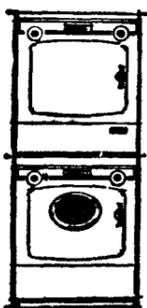
Then the idea goes to the appropriate section for the finishing touches, depending on whether it is a subject for the draftsman or the Training Devices shop or for the Graphic Arts section. Photographers are sent out to get any field shots that may be required. Then any needed written material is sent to the Reproduction Unit.

Quite often, Training Aids are called on to produce dramatic illustrations, and it has answered with such things as slides that effect the illusion of motion or that can change colors by controlling polarized light. It is possible, through one of their slides, to see "in motion" a radar unit sighting, tracking and knocking out an en-

(Continued on Page 5)

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CUTS A WIDE SWATH—Col. R. P. Davidson, Commander of the Army Missile Support Command during Col. Thomas W. Cooke's absence, and John McDaniel, (center) Acting Director of the Research and Development Directorate, use big scissors to cut the ribbon at opening of the new cafeteria in Building 5200. Robert Heil, Food Supervisor for the Post Exchange, gives them a helping hand.

WOMEN

(Continued From Page 1)

Army's future looks bright. "Today we are developing a stronger, more efficient and more professional Army in an atmosphere of hospitality in the traditional role of the Service. I cannot recall a time during my Army tour when the future looked as bright or a career in service offered so much promise," the general said.

The general praised the wives and children of Army personnel at Redstone for their good relations with the Huntsville community, and asked their assistance to help maintain these relationships. He also urged them to pitch in and participate in the post's recreational activities for young people so the load would not be so heavy for a few willing workers.

Stretching from the stage behind the general were several large missile models, and small models were used as centerpieces for the luncheon tables. A mobile of missiles was suspended behind the speaker's table.

Mrs. William J. Macpherson was chairman for the luncheon. On her committee were: Mrs. Michael J. Dooley, decorations; Mrs. Leonard Stanley, menu and planning; and Mrs. Robert A. Robinson, publicity.

Assisting Mrs. Dooley were Mrs. Arthur Q. Woodward, Mrs. Thomas B. Christiansen, Mrs. Estell M. Hobbs and Mrs. Anthony Johnson. Mrs. Richard G. Vorba, Mrs. Richard M. Field, Mrs. Raymond Rembish and Mrs. Vern C. Wolfe assisted Mrs. Stanley.

JOINT FUND

(Continued From Page 1)

percentages will be released next week. A report on the total donations of Arsenal personnel will be made by the national organizations as soon as a tabulation is made.

JOINT CRUSADE SCOREBOARD

	Per Cent Participation	
	Nat. Health	Joint Cru.
Office of the CG	100	100
DCG, Air Defense	100	100
DCG, Land Combat	100	92
Spec. Assts.	100	100
Comptroller & DP	61	39
R & D	100	100
P & P	97	88
S & M	100	100
Missile Intell.	64	63
Lance	100	100
Hercules	56	50
Mauler	83	63
Pershing	38	35
Sergeant	91	88
Hawk	68	62
MS & Data Sys	100	100
Installations & Sys	89	83
Inspector General	100	91
Judge Advocate	100	100
General Counsel	100	100
Information Office	76	62
Administrative Office	46	21
Personnel & Training	100	82
Missile Support Cmd	73	64
Nike-X Project Office	99	98
Sheridan/Shillelagh	25	10
OGMS	93	93
Special Review - AAA - GAO	20	17
Rohm & Haas	27	9

AUSA DRIVE
(Continued From Page 1)

Apr. 27 and wind up May 16, Armed Forces Day.

Maj. Gen. John G. Zierdt, Commanding General of the Army Missile Command, will be general chairman for the campaign among Command elements at Redstone Arsenal. A. A. Stewart will assist him as executive chairman.

John E. Hatch, president of the local chapter, said chairmen in the other areas include:

Huntsville merchants, Gene Morgan, 534-6412; industry members, Cecil Fiquette, 536-4441; Ordnance Guided Missile School, Reavis O'Neal, 876-3244; Marshall Space Flight Center and National Guard units, Jackson Balch, 876-4465; and Nike-X Project Office, Lt. Col. John R. Bond, 876-6240.

The Army-oriented organization's local chapter draws membership from the North Alabama-South Tennessee area. The majority of its membership is comprised of residents of Huntsville and Madison County.

Don't Have Stage Fright; Learn To Speak In Public

You don't have to be a movie or TV performer to experience one of the hazards of the trade—stage fright. Any man or woman who has stood before an audience to say a few words knows it isn't the easiest thing in the world to do.

But with proper training and building of confidence, standing in front of a group can become a bearable, if not pleasant, experience.

Because of inquiries from many of the installations on Redstone Arsenal, classes in speech training are in the process of being organized, according to John S. Hinkle, Chief of the Training and Development Division.

Hinkle says that two courses will be offered—Developing Speech Techniques and Advanced Speech Techniques. Both will be conducted by Communications Skills Company, headed by Dr.

John McCormick.

Installations with employees interested in attending these classes are asked to send DFs with names, grades and job titles of the employees so that schedules may be arranged. These DFs should be sent to the Training and Development Division, Bldg. 3742, not later than April 30, Hinkle says.

Developing speech techniques is a 30-hour course, consisting of 15 two-hour sessions, which is designed for those who have little or no training in making speeches. It will emphasize, among other things, essential aspects of delivery, voice and breath control, developing topics and learning procedures for rehearsal.

Advanced Speech techniques will offer instruction in organizing, writing and delivering the extended formal speech. Students will learn to organize basic, supporting and visual materials into an effective pattern. This course, also 30 hours long, will be especially helpful to those who conduct conferences, give reports, deliver lectures or make extended technical or non-technical speeches.

Mrs. Alice Cox, a member of the Training and Development Staff, is coordinator for the classes.

BETTER SCHOOLS COMMITTEE WILL DISCUSS TRAINING

A discussion of "Remedial Training of Below Average Children" will feature the April 21 meeting of the Huntsville Citizens Committee for Better Schools.

T. P. Curran of Thiokol Corp. in Huntsville, will describe how techniques for training brain damaged children can be applied to training normal children having learning difficulties. Curran is 1st vice president and chairman of the planning committee of the Association for Education of Brain Damaged Children.

This meeting will be held at 7:30 p.m. in the small auditorium of Huntsville High School.

In addition to the program, the Citizens Committee will hold its annual election of officers.

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1960 Rambler

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VARIETY OF TOOLS—Busy hands of workmen in the illustration department show the variety of tools used by the training aids branch in the production of master artworks that are to be used in technical and training manuals, textbooks or for public information purposes.

MISSILE MEN

(Continued From Page 4)

emy plane or missile. Almost as dramatic as some of its unusual slides is the high-quality color photography. The Branch turns out color work ranging from 35mm slides to 30-by-40 prints and transparencies. These depict many facets of OGMS and are used both for decorative and informative purposes at the School and in many of the displays mounted by Training Aids and

sent to public showings, such as the Birmingham Fair. Training Aids Branch also is building a mobile display which will utilize many of the fine photographs illustrating the School. The unit will be used throughout this area in promotions to acquaint the public with the work being done at the Arsenal.

Another device prepared by the Branch for a similar mission is a full-scale cutaway model of the Pershing missile. Training Aids fell heir to a model in need of repair and without means to transport it. Branch mechanics and technicians have undertaken to repair the model and build strong aluminum dollies to carry it about. This will make possible public showing or use for training purposes at the School.

One of the most interesting and most dramatic devices developed by Markvart and his staff, is a panel of pictures which as first appear to be in black and white, but suddenly appears in color. The trick is relatively simple—but very effective. The black-and-white pictures are backpainted so that when a light is projected from the rear the colors suddenly

“appear.” It usually has quite a startling affect on observers, Markvart said.

It is just another example of the ingenuity used by Training Aids in promoting OGMS and in supporting the teaching mission at the School.

It also shows that the horizons which “limit” the Branch are very broad.

Computer Will Save Time, Money On Pershing Upkeep

Pershing Missile battalions are scheduled to receive new electronic testing equipment which will increase their maintenance capability and save time and money by simplifying logistics problems.

Known as the Dynamic Logic Chassis Analyzer and Command Automatic Card Tester, the new equipment was developed by the Martin-Marietta, Orlando, Fla., under the Army's Pershing contract. The DLCA was chosen by the Army as a standard element of Pershing maintenance test equipment because of its speedy and reliable automatic testing capabilities.

The result was that the Army last January awarded Martin-Orlando a contract for nearly \$2 million for modification kits for the Pershing system. Deliveries to Pershing operational units will begin late this year.

When malfunctions arise in Pershing systems during field operations, the new DLCA equipment will permit maintenance troops to locate the problem swiftly and accurately. They will be able to isolate the trouble to a card or group of cards within the chassis.

Further refining the process, the CACT will then check the cards individually and indicate defective ones. It will also check

microminiaturized modules and relays.

Design of the DLCA is unique in the industry, according to Martin officials. It is based on techniques of integrated circuitry worked out at Martin-Orlando, and combines microminiaturized modules, potted by an exclusive transfer-molding process, and multilayer printed circuit “mother board”) techniques. Martin engineers believe the DLCA incorporates the widest application of micrologic circuitry ever to go into tactical use in a field weapon system.

Contributing to the speed-up of maintenance operations in a Pershing battalion, use of the DLCA is expected to cut down human error and to minimize turnaround time in the logistics pipeline by eliminating much manual work and reducing considerably the number of major systems and components stockpiled as spares.

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SOCIAL ^{and} CLUB EVENTS

MOTION PICTURE AND TV GROUP SCHEDULES MEETING ON APRIL 21

"Minature Vidicon Cameras for Space" will be the topic at the meeting of the Huntsville Section of the Society of Motion Picture and Television Engineers next Tuesday in the Rocket Room of the Squirrel Hill Officers Club. Refreshments will be available during a social period beginning at 7:15 p.m. The meeting will begin at 8 o'clock.

Guest speaker will be Max H. Mesner, manager of TV Camera Systems at RCA's Astro-Electronics Division, Princeton, N. J.

Mesner will speak on present and future TV camera designs and their space-age applications, including those for projects TIROS, NIMBUS, RANGER and APOLLO. He has been directly responsible for the development of a number of miniaturized television systems and holds several patents in this field.

Mesner received his BSEE degree from the University of Missouri, and joined RCA in 1940. He is a Senior Member of the IEEE and a member of Sigma Xi, Tau Beta Pi and Eta Kappa Nu.

Also on the program will be "Men of Vision," a film on the manufacture of fine lenses, produced by the Voightlander Corporation, a German camera and optical concern.

The Photo-Sonics Corporation will have on display its 4-B 35mm high speed camera and the Adtrol Photocorder, a 5-digit numerical timing device.

Further information can be obtained by calling 877-2583.



MAX H. MESNER

More Men Needed For Couples Bridge

There were nine tables in play at the Monday night bridge last week at the Squirrel Hill Officers Club. Mrs. G. H. Hellmers held high score for the ladies, and Mrs. Jesse Fishback was second.

Since there were more ladies than men attending the bridge session, some of the ladies played on the men's side, and resulted in Mrs. A. M. Cobban holding high for the men. Mr. J. Billings was second.

Call Mrs. Cobban at 877-5972 for reservations. The group is anxious for more men to make plans to join in the bridge event.

At The Service Club

By: Brenda Hanson

Hey there—you with the spring fever, walking around in the sun or sitting inside a building or car, clutching this paper with mild curiosity about what is going on over here at the Service Club. Just come down and enjoy yourself. We have a wide variety of programs this week, so run your eye down the list and select your preference, note the time and date, and drop by to join in, we'll be most happy to see you.

The first event of the week is the monthly meeting of Junior Hostess organization to be held April 15 at 7 p.m. The group will meet to discuss the upcoming programs for the month of May. We urge each hostess to attend the meeting. Refreshments will be served at 8 p.m.

Thursday night at 7:30, is date for the weekly meeting of the Bridge Club. If you would like to play bridge, come down, we always have some tables occupied with players.

Friday night, a Table Tennis Contest is on the agenda for 8 o'clock. This should prove to be interesting since the competition for Ping Pong is rather keen here at Redstone. Prizes will be given to the winner.

Saturday, Coffee Call will be held at 2:30 p.m. Then, the spotlighted feature of the day is the Popular Tune Quiz. Betty will play the tunes, and the first to identify the tune wins a prize. The Grand Prize now is a matching Burxton Key Holder and Wallet. Should be fun. Care to join us?

Sunday at 9 a.m., the doors of the Service Club will swing open offering you hot coffee and tasty fresh donuts. Then, later in the evening the attention goes to an Ice Cream Party. Would you care to crank a freezer, or may be just sit on one while your favorite girlfriend cranks it? At any rate, the party will begin at 8 p.m. Sunday, April 19.

Monday night calls for the weekly activity of Games conducted in the Main Lounge. We have a smartly selected display of gifts for you. We now have two Grand Prizes, an electric razor and a transistor radio. You just might be the one to chirp the lucky number, so come down and see.

MISCELLANEOUS

So you can readily see that a wide variety of entertainment will be at your disposal. Don't get left out of something you might enjoy through not knowing about it. Pick up one of our schedules in the lobby now.

Three Are Winners At Thursday Bridge

Mrs. J. C. Powell, Jr., Mrs. W. R. McCollum, and Mrs. A. Q. Woodward won first, second and third place respectively at the Officers Wives Club bridge group last Thursday at the Squirrel Hill Officers Club. There were nine tables in play.

For reservations to play or cancellations, call Mrs. E. M. Krembs, 877-5379, or Mrs. A. Garrabrand, 877-4775.

HUNTSVILLE BIBLE TELECOURSE STARTS NEW SEMESTER AND HOURS

The Huntsville Ministers Association and Athens College announce the opening of registration for the second semester of the Huntsville Bible Telecourse, "An Introduction to the New Testament." The non-demonstrational Bible study is televised as a public service every Saturday for one hour, 5:30 to 6:30 on WHNT-TV, Channel 19, beginning April 18.

The class is taught by Dr. Edward W. Bauman, an ordained minister and Professor of Philosophy and Religion at American University and Professor of Systematic Theology at the Wesley Theological Seminary in Washington, D. C.

The second semester begins May 2 and continues for 13 weeks. Three types of registration are available.

Athens College offers two quarter-hours of elective credit to qualifying students. The cost is \$27 a semester.

Students who successfully complete more limited assignments may earn certificate credit from the Huntsville Ministers Association. Registration fee is \$7. A new family-rate plan is being started this semester. After one family member registers for certificate credit for \$7, other family members at the same address may register for \$3.

Deadline for either registration is May 8.

For viewers who want only to follow the course and receive study materials, a non-credit registration is available for \$4.

Each viewer who registers is given a telecourse kit containing the study guide, telecourse newsletter, and free ticket to the telecourse tour held each semester.

To obtain further information, or to register as a certificate or non-credit student, contact the Huntsville Bible Telecourse at 536-8800.



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Remember Our Secretary; Next Week Will Be Hers

Next week is Secretaries Week and next Wednesday is Secretaries Day.

Mrs. Juanita McCary, an employee of the Comptroller and Director of Programs at the Missile Command, is president of the Satellite Chapter of the National Secretaries Association in Hunts-

ville.

President of the only other chapter in the North Alabama area is Miss Thelma Fliszar of the Missile Command Chief Engineers Office, who heads the group in Decatur.

Mrs. Betty Gains of Marshall Space Flight Center has been named Secretaries Week chairman

SOUP'S ON AT 5400 --- COME AND GET IT!!

The Redstone Arsenal Exchange opened its ultra-modern cafeteria recently in the new Research and Development building. This facility can accommodate 164 patrons and is equipped to provide rapid service through use of the latest in self-selection devices including a

hot food case, frozen dessert case, soda, juice, milk shake, milk, iced tea, hot chocolate and coffee dispensers which advantageously complement the steam table and short order sections within the serving area.

Coffee and cake were served after John L. McDaniel, Acting

Director of the Research and Development Directorate, and Col. R. P. Davidson, Post Commander in the absence of Col. Thomas W. Cooke, cut the big red ribbon in opening ceremonies as Robert L. Heil, Exchange Supervisor, watched.

Other guests included Lt. Col. C. H. Hansen of the Army Missile Support Command, Col. John T. O'Keefe, Chief of Development Division of the R&D Directorate, and Pat Colquitt, Technical Representative of the Southern Service Center, Army-Air Force Exchange Service.

for the Satellite Chapter.

Secretaries Week is co-sponsored by the National Secretaries Association (International) which has 23,000 members and 538 chapters throughout the world, and by the Business Equipment Manufacturers Association with 50 member companies. This marks the 12th observance of Secretaries Week since it was instituted in 1952.

Lt. Lurcott Named Honor Instructor

First Lt. Robert A. Lurcott of the Nuclear Weapons and Logistics Section, was selected by the Officer Training Branch at the Army Ordnance Guided Missile School as the outstanding instructor for March, according to Col. William J. Macpherson, commandant.

Lt. Lurcott is a graduate of Cornell University at Ithaca, N. Y. He entered the Army in January 1962, served a tour of duty in Korea, and has been assigned here as an instructor since November 1963.

Post Library

NORMA E. SHORT
Librarian

Daley, Arthur, "King of the Home Run."

Gurney, Gene, "Americans into Orbit."

King, Leslie, "The Master Key to Success at Golf."

Kuh, Katharine, "The Artist's Voice."

Ley, Willy, "Harnessing Space."

Lombardi, Vince, "Run to Daylight!"

Mowat, Farley, "Never Cry Wolf."

Porges, Irwin, "Many Brave Hearts."

Schuler, Stanley, "How to Fix Almost Everything."

Tregaskis, Richard, "Vietnam Diary."

Tuchman, Barbara, "The Zim mermann Telegram."

Van Vleck, Sarita, "Growing Wings."

BIOGRAPHY

Burke, Clara, "Doctor Hap."

Caulfield, Genevieve, "The Kingdom Within."

Cottman, Evans, "Out-Island Doctor."

Cousins, Norman, "Dr. Schweitzer of Lambarene."

Fosdick, Harry Emerson, "The Life of Saint Paul."

Gilbreth, Frank Bunker, "Belles on Their Toes."

Harrity, Richard, "The Three Lives of Helen Keller."

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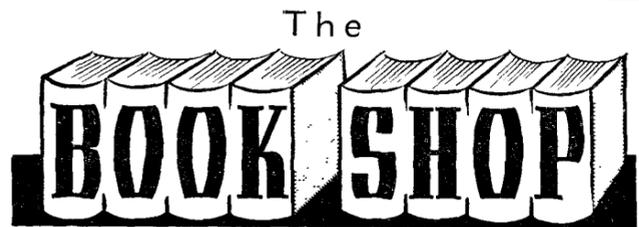
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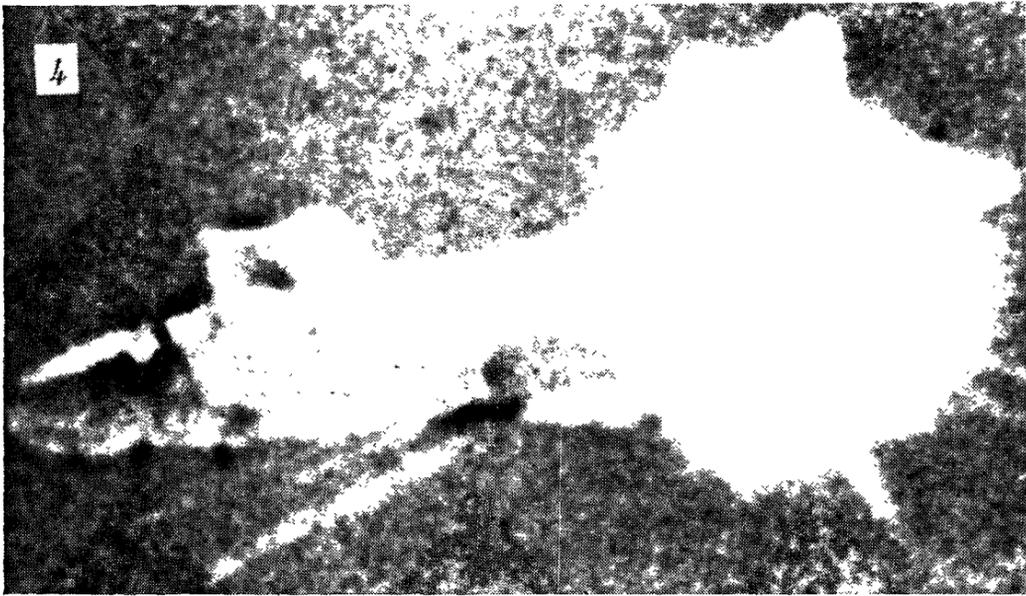
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TRACKING THE TARGET WITH REDEYE (Far Right)—Staff Sergeant Rufus Parker, a paratrooper from Kosciusko, Miss., is shown tracking an airborne target with the Redeye missile. Initial target detection and tracking are accomplished visually by the gunner. When the aircraft is within range, the missile's seeker locks on the target. The Redeye is a development of the U. S. Army Missile Command.



TRACKING ITS HIGH SPEED TARGET (3)—Through an infrared sensing device in its nose, the Redeye air defense guided missile homes on the heat of the aircraft engine. The missile is fin stabilized and aerodynamically controlled in flight. The Redeye is seen here at the lower right as it moves into position to intercept an unmanned aircraft.

ON ITS WAY (2) — Having determined that the target is within range, the Army gunner pulls the trigger that sends the Redeye air defense guided missile on its way. The Redeye — the world's smallest guided missile — is shown here just after it has cleared its shoulder launcher. When the missile is a safe distance from the gunner, its sustainer motor fires and powers it to the target.

REDEYE KILL (4)—Moving at supersonic speed, the U. S. Army's Redeye air defense missile is guided to its target by homing on the tailpipe. Its war head explodes on contact with the results as shown in this picture of an actual intercept. Redeye missiles have scored hits on a variety of aircraft targets.

REDEYE

(Continued From Page 1)

bat on a soldier's back and fired from his shoulder, the Redeye got its name from the infrared heat seeking device it employs to "home" on the heat of an aircraft engine.

The missile will give individual infantrymen effective anti-aircraft defense against low flying enemy aircraft. It can be taken anywhere a soldier can carry a rifle.

Redeye is similar in appearance to the Army's famed bazooka anti-tank rocket, but, unlike the bazooka which fires an unguided rocket, the Redeye is a true guided missile which can maneuver in flight.

The infrared sensor is mounted in the nose of the four-foot solid propelled missile. It is fin stabilized and aerodynamically controlled in flight.

Target detection and tracking are accomplished visually by the gunner. When the aircraft is within range of the missile and the infrared seeker has "locked on" the target, a simple squeeze of the trigger fires the missile. Soldiers firing the missile in tests have scored hits after only a few hours of instruction.

The U. S. Army Missile Command at Redstone Arsenal, Alabama, an element of the U. S. Army Materiel Command, manages the weapon system for both the Army and the Marine Corps. Mr. E. K. Charlton is Acting Project Manager. Lt. Col. Henry L. Claterbos is Development Officer.

University Lecture Open To Scientists

Prof. E. R. G. Eckert, head of the Heat Transfer Laboratory at the University of Minnesota, will lecture on thermodynamic coupling of heat and mass transfer at 10 Friday morning in room 214 at the University Center.

The Professor has written three text books and over 200 scientific articles on the subject of heat and mass transfer.

All interested persons are invited to attend the lecture.

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Patrick Dennis Regan, 8 lbs ½ oz, Apr. 1, son of Sfc and Mrs.

Robert J. Regan.

Katherine Jane Knight, 6 lbs. 2 ozs. Apr. 1, daughter of Sp4 and Mrs. Kenneth S. Knight.

Tamara Faye Muncy, 9 lbs. 2 ozs, Apr. 2, daughter of Sp4 and Mrs. Ronald J. Muncy.

Vicki Ren'e Anderson, 6 lbs. 14½ ozs, Apr. 2, daughter of Cpl

and Mrs. Donald B. Anderson.

Danette Rae Starliper, 8 lbs, Apr. 3, daughter of Pfc and Mrs. Kenneth R. Starliper.

Michael Delayne Grannan, 6 lbs. 5½ ozs, Apr. 3, son of Sp5 and Mrs. Paul E. Grannan.

Lori-Ann Elaine Bendickson, 7 lbs. 12 ozs, Apr. 4, daughter of SSgt and Mrs. LeVerne Bendickson.

Beverly Jane Rooks, 6 lbs. 8 ozs, Apr. 6, daughter of 1/Lt. and Mrs. Wilton M. Rooks.

Page 8

The Redstone Rocket — April 15, 1964

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U-65	1962	Ford	2 Door Hardtop	\$1875
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A-236-A	1960	Thunder Bird		\$1875
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R-48	1960	Comet	Station Wagon	\$975
A-205-A	1959	Mercury	4 Door	\$575
A-166-B	1959	Oldsmobile	4 Door	\$1275
R-58	1958	Oldsmobile	4 Door	\$475
A-106-A	1956	Oldsmobile	4 Door	\$275
A-203-C	1956	Plymouth	Station Wagon	\$250
A-177-A	1960	Plymouth	Station Wagon	\$875
A-82-B	1958	Plymouth	2 Door	\$575
A-307-A	1959	Plymouth	2 Door	\$575
A-38-B	1958	Rambler	4 Door	\$575
R-47	1962	Rambler	Station Wagon	\$1475
A-197-A	1963	Rambler	Station Wagon	\$2475
R-46-B	1962	Rambler	American 2 Door	\$1275
A-85-B	1952	Rambler	2 Door	\$275
A-140-A	1958	Rambler	Station Wagon	\$675
A-310-A	1960	Rambler	Station Wagon	\$1075
A-324	1962	Rambler	4 Door	\$1375
R-52	1963	Rambler	2 Door American	\$1675
A-125-A	1963	Rambler	2 Door American	\$1675
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Left, As Army's Redeye Passes Test



AUSA Awards Go To Ten Japanese Missile Men

Japanese missile men marked up another remarkable showing in their academic record at the Ordnance Guided Missile School Friday when 10 of their enlisted men received special awards from the Association of the U. S. Army for outstanding academic achievement.

The 10 students, part of the largest graduation class in the 11-year history of the Missile School, brought the total of awards to Japanese students to 32—one third of all AUSA awards given since the program began four years ago. AUSA awards are given to students who maintain a 96 average or better.

Robert K. Bell, attorney for Madison County, made a strong plea for allied unity to the 137 officers and enlisted men.

"No nation on earth today can guarantee absolute protection to its citizens, so it behooves us to form an international community of understanding and brotherhood," Bell said.

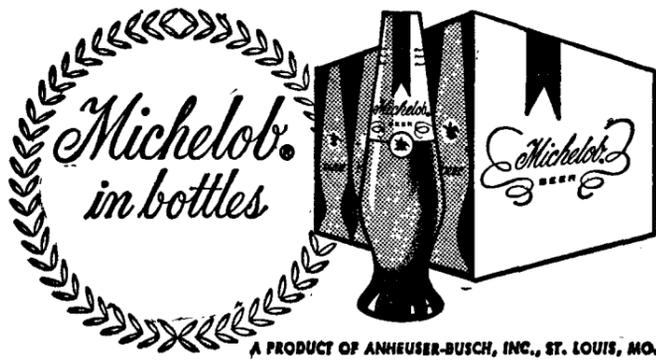
The AUSA winners are members of a new 42-man Hawk Support detachment which will continue training here as a unit for the next three months before returning to the Far East. They are:

SFC Tatsuo Kamei of Miyagi and Sgts. Sachihide Shimomuro of Kagoshima, who tied for top honors with 98.9 average; Sgt. Masaaki Tanaka of Saitama with 97.8; Sgt. Takeshi Eshima of Fukuoka with 97.4; Sgt. Tsuyoski Ito of Fukuoka and Sgt. Shigenobu Kawanof of Ohita, with 96.9; Sgt. Hideo Miura of To Tochigi with 96.5; Sgt. Kiyoshige Matsumoto of Nagano with 96.4; SFC Mitsuaki Fukomoto of Hyogo with 96.3, and

Sgt. Noriaki Suzuki of Shizuoko with 96.

Other honor students included S/Sgt Johannes J. Fiers of The

Netherlands and Pvt. Stephen C. Koepeke, Spec. 5 Richard C. Deming, Pvt. Joseph F. Sturbois, Pvt. Sherman W. Chacellor, Pfc. Steven Pagach, Pvt. Ronald H. Boyce, Pvt. John P. Eustance and Pvt. Richard L. Merrit, all of the United States. Col. William J. Macpherson, missile school commandant, presided, and national anthems were played by the 55th U. S. Army Band.



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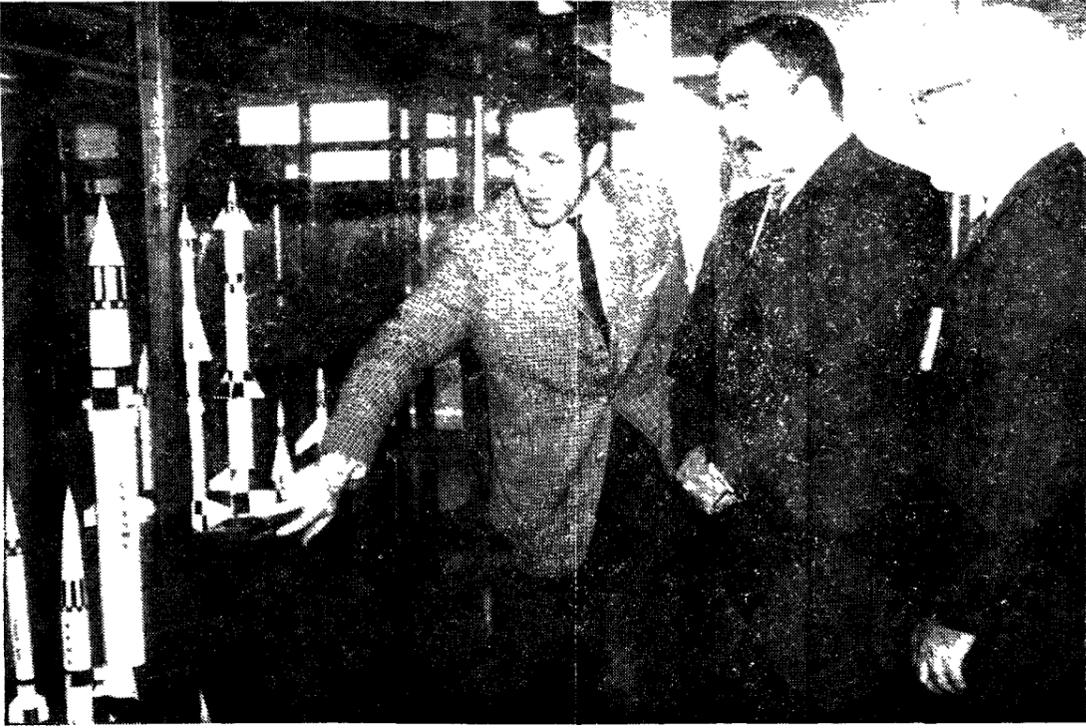
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ARMY MISSILE DISPLAY—Fletcher Martin, world famous artist and member of the faculty of the Famous Artists School pauses to look over the display of Army missiles in the lobby of building 5250 prior to making a presentation to Arsenal illustrators. Mr. Martin is pictured between John Kubilis, chief of the Support Command's Visual Arts and Ervin Kellogg, Chief of the S&M Illustration Branch. The artist came to Huntsville as the featured speaker for the Technical Communications Seminar. He toured the Arsenal facilities on Friday and spoke to approximately a hundred Army illustrators and artists, many of whom are students of the Famous Artists School.

Artists, Writers Wind Up Seminar

"Communications Spanning Time and Space" was the theme of the Fourth Annual Technical Communications Seminar and Technical Art Show Apr. 10-11.

Nationally known speakers in the fields of scientific and technical information processing, management communications, technical writing, and engineering information flow were on the seminar program. Among the speakers were A. Stanley Higgins, Editor of STWP Review, and Don W. Palmer, Chairman of the Chicago Chapter of STWP.

Fletcher Martin, internationally noted for his artistic work in the field of sports, was the keynote speaker at an awards banquet on April 10 in honor of art show winners. Martin is currently a member of the guiding faculty at Famous Artists Schools in Connecticut.

Judges sifted through more than 300 pieces of art to name George White, Martin-Orlando, Fla., as the "best of show" winner for his entry in the technical art-continuous-tone black and white category.

Other winners were:
Line pictorial — Gold medal, J. W. Wixey, Ryan Aeronautical Co., San Diego, Calif.; Excellence, G. N. Sellers Jr., General Dynamics, Ft. Worth, Texas.

Exploded pictorial — Gold medal, P. Whisenant and J. D. Smith, Martin-Orlando; Excellence, Sellers.

Technical art-continuous-tone black and white—Excellence, Edwin Stephens, Martin-Orlando; Color — Gold medal, Herbert Bergman, Litton Industries, Beverly Hills, Calif.; Excellence, Bob Owens, Huntsville.

Photo Retouch — Gold medal, Roy Vanderwall, Martin-Orlando; Excellence, Bryan Pitre Jr., Brown Engineering Co., Huntsville.

Concepts-black and white—Gold medal, Gordon Snidow, Sandia Corp., Albuquerque, N. M.; Excellence, Nick Mustacheia, Chrysler Corp., New Orleans, La.; Color—Gold medal, Tom Albin, Martin-Orlando; Excellence, James Boren, Martin-Denver, Col.

Promotional art — Gold medal and excellence, William F. Wagner, Sandia Corp.

Cartoons and animation — Gold medal, Bill Stevens, Brown Engineering Co.; Excellence, R. Klepac and Herb Beard, Martin-Orlando, and James B. Watson, Sandia Corp.

Facilities — Gold medal and excellence, Donald Beck, NASA, Huntsville.

Art show judges were: E. R. Phelan, Manager, Engineering Support Section, Chrysler Corp. Space Division, Michoud Operations, New Orleans; Thomas Daer, Chief, Publications Illustrating, Martin Co., Orlando; and Harry

Lowe, Director, Tennessee Fine Publishers Arts Center, Nashville.

The events were sponsored by the Huntsville Chapter of the Society of Technical Writers and

Members of the chapter seminar steering committee are Ralph L. Cummins, Mary Jane Hearn and J. D. Nilsson.

Movie Schedule

WEDNESDAY, April 15
"Dementia 13" (M)
THURSDAY-FRIDAY, April 16-17
"Advance to the Rear" (M-YP)
SATURDAY, April 18

"Stage to Thunder Rock" (M-YP)
SUNDAY-MONDAY, April 19-20
"For Those Who Think Young" (M-YP)
TUESDAY, April 21
"Psyche 59" (M)
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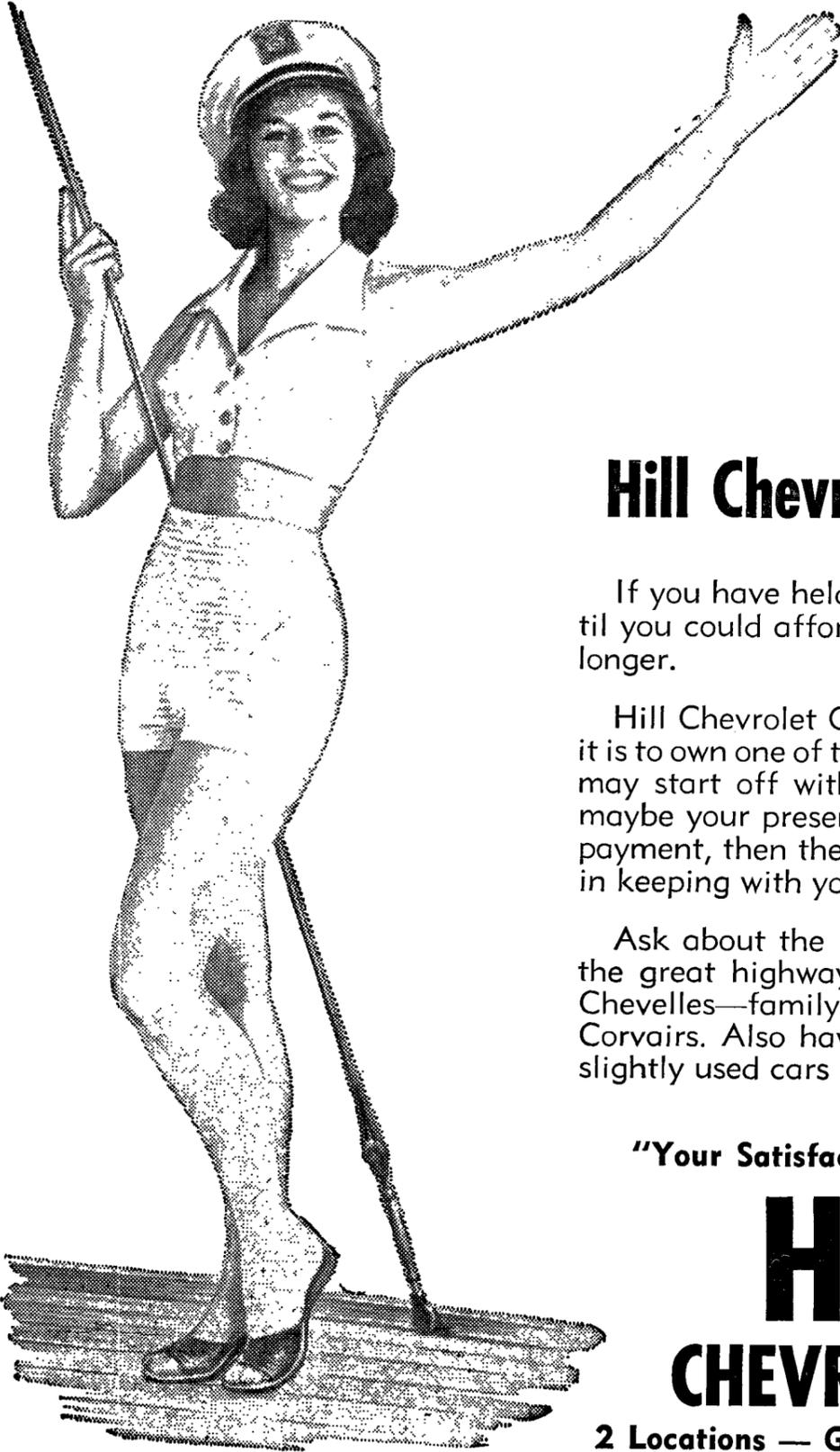
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Laser Applications Topic At Scientific Conference

More than 125 scientists and researchers gathered at the Army Missile Command at Redstone Arsenal last week to discuss defense applications and research in the field of high power lasers.

Dr. Chalmers W. Sherwin, Deputy Director (Research and Technology) in the Department of Defense, told the group that the nation's top defense organization was interested in new applications for the devices.

A laser emits a powerful beam of coherent light energy in the infrared region. With laboratory models scientists have performed such diverse operations as welding delicate materials, burning precision holes in metal and illuminating a spot on the moon.

A laser developed by the Army Missile Command has successfully killed malignant tumors (cancers) in mice during laboratory experi-

ments conducted with the National Institutes of Health.

The word laser is formed from the initial letters of "Light Amplification by Stimulated Emission of Radiation."

During the second day of the two-day classified meeting the group was scheduled to visit the Missile Command laser research facilities at the Arnold Engineering Development Center at Tullahoma, Tennessee. The mice experiments using the Missile Command laser were performed at the Tullahoma Center.

The meeting was the first quarterly Tri-Service Meeting on High Power Laser Technology. The Missile Command was the host organization.

Maj. Gen. John G. Zierdt, Commanding General of the Missile Command, opened the meeting with a welcoming talk.



OBSERVE LASER FIRING—Approximately 100 scientists and military officers watched the firing of a powerful LASER at the Air Force's Arnold Center recently. A television camera trained on a target provided a remote view of the test in which a powerful pulse of electrical energy is transmitted by a beam of light. Describing the experiment is W. B. McKnight, Chief of the Applied Physics Branch, Army Missile Command, Redstone Arsenal, Alabama. A powerful electrical inductance power supply, normally used to operate arc-driven wind tunnels in the Arnold Center's von Karman Gas Dynamics Facility, is the power source for the experimental equipment. The visit was part of the Tri-Service Meeting on High Power LASER Technology at Redstone. (The word LASER is derived from the words "Light Amplification by Stimulated Emission Radiation.")

Among the organizations represented at the meeting were: the Department of Defense Office of Research and Engineering, the Institute for Defense Analysis, the Office of Naval Research, the Oak Ridge National Laboratory, the Atomic Energy Commission, Massachusetts Institute of Technology, the Air Force Weapons Laboratory and Avionics Laboratory, the Army Ballistic Research Laboratories, Army Electronics Research and Development Laboratories, and North Carolina State College.

John L. McDaniel, Acting Director of Research and Development for the Missile Command, was chairman of the opening session of the meeting.

Dr. Sherwin, in his opening remarks, told the group that "discoveries were being made every day" in the field of laser technology. He added that the purpose of the quarterly sessions was to "try to bring into a diffuse program a sense of central direction."

Seventeen papers and reports on laser technology were presented at the first day's meeting.

Army's Pictorial Program Gets Review At Redstone

More than 25 key men in the Army's pictorial program met last week for the first time at the Army Missile Support Command to take a look at how their program is being conducted.

Host for the meeting was Lt. Col. Earl D. Hicks, Assistant for Communications of AMSC. Heading the list of dignitaries present was Col. D. C. Bird, of Department

of the Army Headquarters. Officials attending the conference were representatives of major photographic operations in the Army Materiel Command.

While at Redstone Arsenal, the visitors toured photographic facilities located on the installation. In the meeting, they discussed cost reduction, and motion picture facilities within AMC.

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Civilian Softball League Being Formed At Arsenal

A Civilian Employees softball league, absent from the Arsenal scene for a number of years, is in the process of reactivation this summer under the sponsorship of the Civilian Welfare Fund Council.

Preliminary steps in the formation of a league were instituted recently by a group of interested employees of the Pershing Project Office who found themselves in the unhappy situation of having a team but no league in which to play.

As a means to solve the dilemma Del Williams, manager of the Pershing team, contacted a few persons around the Arsenal and found that there was sufficient interest to form a league.

He also contacted officials of the Civilian Welfare Fund and found that the Council would be

receptive to the formation of the league. However, Abner McNaron, Chairman of the Council, informed Williams that before official sanction could be given, a league would have to be formed and officers elected.

Williams has taken it upon himself to take the initial action in getting the league started and has asked all persons or organizations interested in fielding a team to contact him. He can be reached at 876-3396 or 876-8064.

He stated that he will need to have a firm commitment on the number of teams that will compete in the league by Friday, April 24. Soon after that date a meeting will be arranged for the purpose of setting up ground rules and electing league officials.

Golf Group Lunch Set For April 29

Mrs. Howard Ammerman and Mrs. Charles Owens were flight winners last week as the Golf Group of the Officers Wives Club competed in a "Revert the Three Worst Holes to Par" tournament over the Arsenal greens.

Mrs. Ammerman was the first flight winner with runner-up honors being shared by Mrs. William Lewis and Mrs. John Miller. Mrs. Owens edged Mrs. A. Cobban to capture the second flight title.

A luncheon is planned for April 29 in the Redstone Room of the Officers Club. All of the Golf Group participants are invited to attend the luncheon which will start at 12:30, following play that morning.

Of the 34 men who have served as President of the United States, 15 are natives of either Virginia or Ohio. Virginia, with eight, is the top producer of Presidents.

Riede Shoots Way To Top

SFC William P. Riede of Headquarters Company, SFC, led the Redstone Arsenal Rifle Team with three victories in individual class awards at a rifle match at the Arnold Air Force Engineering Center, Tullahoma, Tenn., April 4-5.

The Redstone team captured seven class awards against teams from the Naval Air Station at Memphis, the IV Corps reserve unit from Birmingham, the XII Corps reserve unit from Atlanta, the Chattanooga Rifle Club and several other civilian teams.

Riede took first place awards in the 200 yards rapid fire and the 500 yards slow fire classes and the aggregate score title in the expert class.

Other Redstone winners were: SFC Carl L. Franquet of Company "A" in the 300 yards rapid fire, marksman class; and SFC James I. Maloney of Company "A" in the 300 yards rapid fire, marksman class. SFC William L. Justus of Company "C" took second place awards in the 300 yards rapid fire and in aggregate score, expert class.

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Company C Takes Volleyball Crown

Company C of the School Troop Command (OGMS) won the right to represent Redstone in the Third Army Volley Ball tournament last week when they defeated Iq and Hq Company (AMSC) to take the post championship.

The school troops will compete with other bases of the Army area in the meet that is slated to start April 29 at Ft. Stewart, Ga.

HEALTH BENEFITS LAW LIBERALIZED

Health benefits coverage will be less expensive for female Federal employees with non-dependent husbands, under amendments to the health benefits law recently approved by President Johnson.

The Civil Service Commission has opened enrollment in the Federal Employees Health Benefits program to eligible employees not now enrolled. In addition, employees enrolled for self-only will be able to change to self-and-family but only in the same plan and same option. The limited enrollment and change of enrollment will be permitted through June 30, 1964.

The changes which will have the widest employee impact are as follows:

1. The Government contribution to the cost of family enrollments of women employees with non-dependent husbands is increased from \$3.94 to \$6.76 a month, the amount now contributed for male employees with family enrollments. Take-home pay for women affected by this provision will, therefore, be increased by \$2.82 a month.
2. The health benefits coverage of unmarried children is continued until age 21 instead of age 19.
3. Unmarried foster children are now included in family enrollments.
4. All employees enrolled in the program by December 31, 1964, will be considered as having enrolled at their first opportunity. This will make them eligible to continue their coverage after retirement, if they retire on an immediate annuity with at least 12 years of service or for disability.



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INCENTIVE AWARDS

SUGGESTIONS

Malcolm E. Tully, Army Missile Command, \$130 award—this suggestion resulted in a form to be used by the Directorate of Supply and Maintenance to keep uniform, accurate and up-to-date publication records. Savings are estimated at \$2509 for the first year's usage.

Ray E. Tising, Army Missile Command, Letter of Appreciation—this suggestion resulted in the suggester's name not being included on suggestions sent for initial evaluation.

Warren G. Scott, Army Missile Command, \$250 award—this suggestion resulted in the utilization of M455 shipping and storage containers. This preliminary award of \$250 is based on savings of \$5000 for the first year's usage.

Woodrow G. Burke, Army Missile Command, \$30 award—this suggestion resulted in a method of reducing the time required by MICOM and AMSC to develop and prepare the Budget Estimate Detail of Personnel Compensation. Benefits are in the minor-broad intangible category.

Ruby J. Flynn, Army Missile Support Command, \$75 award—this suggestion resulted in the use of GSA type junior wall partitions in place of a more expensive type. Total savings of \$2618 are realized for the first year's usage. This is a supplement to an earlier award of \$60.

Robbie F. Barnett, Army Missile Support Command, \$15 award—this suggestion resulted in a method whereby more control may be exercised over the issuance and return of regulations and reference material. The benefits are in the minor-limited intangible category.

Johnny E. Wise, Army Missile Support Command, \$85 award—this suggestion resulted in the prints for preparation of Master Planning Maps and Utility drawings being reproduced from ready cut sheets of reproduction paper. Savings are estimated at \$2000 for the first year's usage. This award is a supplement to a previously paid \$15 award.

Clifford S. Dunson, Army Missile Support Command, \$15 award—this suggestion resulted in a buzzer system being installed in the Army Commissary Mobile Annex to be used by the salesworker in the rear of the vehicle to notify the driver when all is clear and there are no children or patrons in the path of the vehicle. This idea has safety benefits in the minor-limited intangible category.

Allen E. Davis, Army Missile Support Command, \$30 award—this suggestion resulted in a method of modifying the beam of the television projection system at the Ordnance Guided Missile School to increase the resolving ability of the picture tube. Benefits are in the minor-broad intangible category.

Robert W. Peterson, Army Missile Support Command, \$15 award—this suggestion resulted in permanent individual dollies being used for moving vacuum pumps in the Calibration Center. This idea has safety benefits in the minor-broad intangible category.

Thomas E. Wolf, Army Missile Support Command, \$30 award—this suggestion resulted in shock mounted drawers and cabinets being installed in the Calibration Center Calibration Vans. Benefits are in the minor-broad intangible category.

Royce L. Buffalo, Army Missile Support Command, \$70 award—this suggestion resulted in a method of zeroing the Fin Position Indicators on the Hawk Missile. Benefits are in the minor-broad intangible category.

Ross A. Sheldon, Army Ordnance Missile School, \$15 award—this suggestion resulted in electrical extension cords which are used in conjunction with certain electrical training devices in the Ordnance Guided Missile School, being attached to the devices in such a manner as to make the cords more difficult to remove. Savings are estimated at \$120 for the first year's usage.

CERTIFICATE OF ACHIEVEMENT

Elizabeth L. McCullough, Clerk Steno, Directorate of R&D.

OUTSTANDING PERFORMANCE RATINGS

Freida A. Rice, Secretary (Steno), Office of Chief Scientist; Loretha M. Colburn, Management Analysis and Michael F. Deegan, Admin Officer, OGMS; James B. Ellis, Logistics Officer, Assistant for Logistics; Franklin H. Holmes, Empl Svc Admin, Civilian Personnel Office.

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SUSTAINED SUPERIOR PERFORMANCE

Doris D. Kirkpatrick, Clerk (Typing), General Counsel; Willis F.

Awards and Decorations

Good Conduct Medals have been awarded to the following: SP6 William R. Cafer, Hq and Hq Det, USAMSC, and CPL Paul S. Puchovan, 291st Military Police Co.

The Good Conduct Medal Clasp (second award) has been awarded to: SFC Jack L. Smith, USAMICOM Msn Op Elm (Point Mugu, Calif.); SFC Robert J. Regan, Hq and Hq Det, USAMICOM; SSGT Glen E. Fisher, Hq and Hq Det, USAMSC; and SSGT James F. Robinson, 291st Military Police Company.

The Good Conduct Medal Clasp (fourth award) has been awarded to SP5 Fred J. Simmons, Hq and Hq Det, USAMSC.

The Army Commendation Medal

Michael, Mechanic (Aircraft), Transportation Division; Perry R. Rolfe, Heating Equip Meeh, Post Engineer; James F. Conner, Supv General Engineer, Pershing Project Office; Vivian E. Watson, Clerk-Typist, Hercules Project Office; Bettye L. Stone, Procurement Clerk, Dir of Proc & Prod; Barbara C. Piper, Clerk-Typist, Dir of S&M; Mildred R. McCrary, Clerk (Typing), Dir of R&D.

has been awarded to the following: Col. Daniel F. Shepherd (First Oak Leaf Cluster); Major Donald S. Hanline (2nd Oak Leaf Cluster); Capt. John S. Drosdeck, Jr.; Capt. Sindy I. Davis; 1st Lt. Calvin W. Dahlke; and MSGT Joseph D.

The following named military personnel have been cited for the award of the U. S. Army Commendation Medal in recognition of their meritorious service:

Major Donald Scott Hanline (Second Oak Leaf Cluster); Captain John Stephen Drosdeck; and MSGT Joseph Daniel Quinn (First Oak Leaf Cluster).

SMAJ Franklin L. Craig has been awarded a Certificate of Achievement for service covering the period July 27, 1963, to April 5, 1964.

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- New Accounts
- Loan Counseling

Members' paychecks will be cashed when a shares deposit or loan payment is being made.



Those services listed are available at each of the Five Credit Union Offices.

Moving Forward In Service



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Page 14 The Redstone Rocket — April 15, 1964

1. For Rent

FOR RENT 4000 sq. ft. workable area of office space, second floor Quick Building Available July 1, 117 Green St., Downtown Huntsville. Phone 534-5127 or 534-4551. tfc

FISHING BOATS—on Guntersville Lake **FOR RENT** everyday at **HONEYCOMB BOAT DOCK**, Snug Harbor area on Highway 431 South. Boat storage and house trailer spaces available. Telephone Guntersville 582-4463. 4-22c

FOR RENT — 2 bedroom trailer, located at Trailer Haven (Lacey's Springs) \$100.00 per mo. Phone 881-1910. ttc

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

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

EXTRA NICE — 3 room apartment with bath. Hotpoint electric kitchen, air conditioning. Water furnished off-street parking \$90.00 mo. Phone 536-9171 or 539-9197. ttc

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

2. Cars For Sale

FOR SALE—Triumph 62, TR4, 2 tops, tonneau cover, like new condition, inside and outside. \$1695. Leland Lindsey, 532-1365, 8 to 4 p.m. Monday through Friday. ttc

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

NICE '55 BUICK — Super. All extras, good dependable Transportation. Will sell for \$160.00 Cash. Phone 539-8743. ttc

3. Miscellaneous

FEDERAL AND STATE TAX RETURNS — Non-resident tax returns invited, reasonable rates. Phone 534-0974. Bell Auto Sales. ttc

WANTED—Matched stereo Hi-Fi Record Player system, complete. Good operating condition. Low wattage for one small room use. Call Gill, 876-0301. ttc

ANNOUNCING TO MY FRIENDS and customers, I have moved from the Jewel Shop to my home 1122 Ward Ave., N.E. I will do watch repairing there. **LANNIS SANDERS**, Phone 534-6653. 4-15c

Glen Park APARTMENTS

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

852-0131

VACATION SPECIAL—Like new! 17' aluminum camping trailer, electric brakes and control, sway bar, equalizer hitch, sleeps five. \$300. 876-6218 or Grant 728-2673. Lumpkin ttc

ABS SECRETARIAL SERVICE, 915-F Franklin St. SE (Franklin Center) Phone 534-6451 **For: Photocopying, Mimeographing, Transcribing (Dictaphone) telephone answering, Employment applications prepared (Government and other) Notary Public.** Our office or yours. ttc

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

FOR RENT—1964 TV's, portables, UHF-VHF, by day, week or month Phone 536-9761 Central TV and Stereo Co., Inc., Corner Governors Drive and Parkway. Open 8 a.m. to 7 p.m. daily. ttc

WANTED—One hour of your time to prove you can become a popular partner quickly at the Arthur Murray Studio, 111 1/2 Washington St. 4-26-c

FOR SALE—2 window unit Air Conditioners One 2 h.p. Fedders, One 3/4 h.p. Coldspot Coldspot used one summer; Fedders in excellent condition Call 852-2063 before 9 a.m. or after 3:30 p.m. ttc

FEDERAL AND STATE TAX RETURNS prepared by reliable Tax Accountant. Reasonable. Phone 881-0305.

ALL KINDS OF USED FURNITURE Trade-in on mobile homes. All kinds of appliances. See at Texas Auto & Mobile Home Sales. 1003 Meridian. No phone calls please! ttc

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

CENTRAL TV & STEREO CO.
Cor. Governors Drive & Parkway
Phone 536-9761

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

4. Mobile Homes

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

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- Tents \$5.98 and Up
- Paint—\$1.98 per gallon

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5. Houses, Lots - Sale

NEW BRICK HOME on Guntersville Lake — three bedrooms, two ceramic baths, large family room, utility room, living room, carport—lot nearly an acre in size, with nice large beach—only \$16,500 with very small down payment. Woodall Real Estate, Guntersville, Ala. Phone 582-4351 or 582-2131. 4-15c

FOR LOTS, ACREAGE, HOMES, BUSINESS Opportunities and full information on Florida properties write Mamie P. Smith, "Reg. Broker," 140 N.W. 1st Ave., Homestead, Florida. ttc

LAKE FRONT ACREAGE — Guntersville, 28.1 acres, 3,000 ft Shoreline, heavily wooded, on Brown's Creek. Water is shallow and will require dredging. Ready for sale. Dividing price \$45,000. \$10,000 down, balance 7% See or call TY DORMAN, Guntersville Rt. 3. 582-3654 after 6 p.m. or weekends. ttc

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

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PARKWAY ESTATES — Conveniently located close to arsenal, school, churches and shopping center. This attractive, 3 bedroom, 1 1/2 ceramic tile baths, air conditioned house, has birch paneled kitchen family room, panel and tile garage with overhead storage; has patio and established lawn. \$1,800.00 equity—\$750. down. Will finance the balance. Shown by appointment. Phone 881-3158. 4-22c

FOR SALE—Distinctive Water Front Homes on beautiful Guntersville Lake. Enjoy a year round vacation in the Play Ground of the South Boating, Skiing, Fishing, at your own door step Building lots from \$750.00, terms. **BOONE REALTY CO. REALTOR.** 582-4311 4-22c

ACREAGE NEAR BULL SCHOOLS, ARKANSAS—Long term investments. Write Mamie P. Smith, "Reg. Broker," 140 N.W. 1st Ave., Homestead, Florida. ttc

15 HOUSES in and around Arab. Price \$695.00 up. \$10.00 down and \$10.00 per mo. Write Mamie P. Smith, "Reg. Broker," 140 N.W. 1st Ave., Homestead, Florida. ttc

1 1/4 ACRE SITES NEAR CAPE KENNEDY — \$695.00 up. \$10.00 down and \$10.00 per mo. Write Mamie P. Smith, "Reg. Broker," 140 N.W. 1st Ave., Homestead, Florida. ttc

FOR SALE — Two automatic laying hen houses Five room aluminum siding house bath, air conditioned; wall to wall carpeting; two acres land 4 1/2 miles east of Hartselle **MRS. JOHN R. JACKSON**, Rt. 3, Box 249, Hartselle. Phone 773-9166. ttc

NO DOWN PAYMENT — Three bedrooms, two baths, den, intercom, double carport, near schools, 905 Ninth Ave. N. W., Arab, Ala Phone 586-5138. See Wednesday, Thursday or Sunday. ttc

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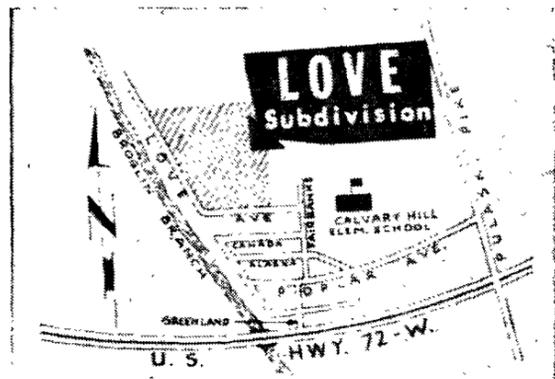
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READY FOR WORK—Not everyone at the Army Missile Support Command's explosives demolition area wears an asbestos suit to work, but it's nothing uncommon to James D. Maples. The demolition expert runs a 65-acre blasting area at Redstone Arsenal, where faulty missile motors, propellant scraps and outdated explosives are destroyed. Maples wears his asbestos suit when destroying toxic chemicals.

Meet A Man Named Maples Whose Job Is A Big Bang

To most people, Jim Maples' job would be like napping on a keg of dynamite with a lighted pipe in his mouth. But to him, the dangers of run-

ning a booming junkyard for explosives can't hold a candle to the old-time firecracker. Even though most people wouldn't touch explosives with a

suit of asbestos armor, the Army Missile Support Command's demolition expert finds little to get excited about in his work.

To him, making massive slabs of propellant or explosives go up in a whooshing swirl of black smoke is a sort of hum-drum affair that rates about as much attention as a backfiring car.

But to those looking on from a respectful distance, Maples' business is moving along with thundering success.

After 19 years of getting a bang out of just about everything he does, James D. Maples gives every indication of a man prepared to pursue his chosen career for even more years yet.

A cautious, easygoing man by nature, Maples' work with high-powered ingredients has salted his tendency to scoff at danger and scorn superstition.

He bosses a hand-picked 13-man crew of blasting experts, thinks nothing of walking under ladders, and booms away all day on Friday the 13th.

Working in the perpetual presence of potential danger, Maples has developed a keen immunity to fear, and a healthy respect for explosives. He goes about his day as routinely as your postman stuffs mailboxes.

Maples runs his 65-acre, fenced-in powderkeg in one of the most remote areas of Redstone Arsenal, near the banks of the Tennessee River. "People who come down here are usually lost," he observes.

Propellant scraps make up the bulk of the stuff getting the torch. "It's left-over," he says. "Sort of like icing left in a bowl when you make a cake."

Everything from Civil War cannonballs to faulty experimental missile motors is blown to shreds by Maples' crew. They are destroyed whenever a flaw is detected, have outlived their usefulness, or pose possible danger to personnel working nearby.

Cynics may pooh-poooh strict safety measures, but Maples holds they are both necessary and respected. So well-controlled is the process of blowing anything up, the plunger pusher must go through a series of five locks before he can cause detonation. Each of the five keys is carried by different men.

With an impressive record of only one lost-time accident during the 19 years Maples has been on the job—and that accident a minor one—the Missile Support Command's explosive experts rate anyone with less than 15 years experience a rank amateur.

Many of Maples' present crew has more than 20 years in the

business and none less than 15. Maples credits their remarkable safety record to proved procedure, "old fashioned horse sense" and the extraordinarily high qualifications of the men behind the boom. "We know how to handle this

sort of thing," he says. "And we're careful every minute." The Missile Support Command's chief plunger pusher is a native of Madison County. He resides at New Hope, where he has spent most of his life.

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\$13,600 to \$14,100

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POLITICAL CALENDAR OF EVENTS

ALABAMA—1964

- April 24—Deadline for registration to vote in May 5 first primary
- May 5 —First primary election—County Democratic and Republican Parties
—Deadline for filing for independents who want to be on the November ballot
- May 19—Run-off elections where necessary to choose a Democratic congressional nominee for each of the former nine districts
- May 22—Deadline for registration to vote in June 2 run-off primary
- June 2—Run-off primary
- June 6—Republican state convention
- July 13—Republican National Convention
- Aug. 24—Democratic National Convention
- Sept. 8—City Election
- Sept. 29—City Election Run-off
- Oct. 23—Deadline for registration to vote in the November 3 general election
- Nov. 3—General Election
- Nov. 4—Start preparations for 1966

Clothesline Art Exhibit Scheduled In Huntsville

Advance ticket sales have begun for the 7th annual Huntsville Art League Clothesline Exhibit. The show this year, to be held on Saturday and Sunday, May 2nd and 3rd, will be on the grounds of the Temporary Civic Arts Center, 311 West Clinton Ave., Huntsville from 11:00 a.m. to 6:00 p.m.

Purchase of advance tickets will avoid the necessity of standing in line as several thousand persons are expected to attend. The tickets may be obtained from offices of the Arts Council at the Temporary Civic Arts Center.

Many activities and exhibits will highlight this most ambitious show yet.

On display will be an original print signed by the celebrated French artist Jean Dufy. This print is a collectors' item and from a limited edition.

Another exciting piece to be displayed is a ceramic vase made and signed by Picasso.

The Clothesline Exhibit will con-

sist of hundreds of original paintings by artists from the North Alabama areas. There will be a wide variety of entertainment. Singing by the Society for the Preservation and Encouragement of Barbershop Quartet Singing in America; performances by the Huntsville Community Band, accordion music and folk singing.

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First Executive Seminar Conducted At Redstone

The first executive seminar for scientists and engineers ever conducted at Redstone Arsenal opened Monday, with 40 key officials taking part.

The seminar was designed to give managers in the scientific and technical fields an opportunity to explore new and significant ideas bearing upon the management of scientific groups within the government.

Heading the seminar as coordinator was Joseph R. Martin of the Atlanta Region of the Civil Service Commission.

Sessions opened Monday with brief remarks by Dr. W. W. Carter, chief scientist at the Army Missile Command. Taking part in the seminar were scientists and engineers from both the Army Missile Command and the Marshall Space Flight Center.

Speakers for the seminar came from universities, industry, government and private organizations.

The seminar was conducted under the supervision of the Training Division, Civilian Personnel Office, Army Missile Support Command.

Welcome Mat

The ROCKET extends a welcome to the following named military personnel who have recently been assigned to organizations at the Arsenal.

OFFICERS: Capt David L. Meadows, Post Hospital; Capt. James D. Williams, Aviation Branch; 2nd Lt. James C. Brownlee, Jr., Directorate, Procurement & Production; and 2nd Lt. John R. Edwards, Computation Center.

ENLISTED PERSONNEL: Sp5 John M. Kidd, Post Hospital; Sp5 Orval E. Stansell, Post Transportation; and PVT Frederick L. Crane, Special Services.

Aug. 7, 1789—U. S. War Department created. General Henry Knox was chosen by General Washington for first Secretary of War.

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1962 Sedan—Anthracite, Radio, White Walls	1445.00
1960 Sedan—Black	\$1195.00
1962 Sedan—Sun Roof, Black, Radio, WSW	1495.00
1963 Sedan—Sun Roof, Blue, Radio	1775.00
1953 Sedan—Green, You Must see this one	995.00
1961 Sedan—White	1295.00
1962 Ghia Coupe—Blue with White Top	1795.00
1963 Sedan—Sun Roof, Red, Radio—12,000 Miles	1795.00
1959 Ghia Coupe—Radio, Cleanest in Town	1395.00
1963 Sedan—Black, Radio	1695.00
1960 Ghia Convertible—Extra Clean	1595.00
1962 Sedan—Sun Roof, Anthracite, Radio	1550.00
1960 Sedan—Blue, Radio, Clean	1195.00

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1961 FORD—Sunliner, Convertible, White, R&H, A. T.	1695.00
1960 English Ford—Consul	795.00
1959 Austin Healy—Sprite	945.00
1958 Dodge—Lancer, 4 Dr. H. T., Equipped	495.00
1957 CHEVROLET—210, 4 Dr., A.T., R&H	795.00
1959 CHEVROLET—Biscayne, 2 Dr. Blue	895.00
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