

Arsenal-Wide

Spot News

Dial 112

The Redstone Rocket

Published by Jack W. Hoffhaus, Hartselle, Ala., a private individual in no way connected with the Department of the Army. Opinions expressed by the publishers and writers herein are their own and are not to be considered an official expression by the Department of the Army. The appearance of advertisements in this publication does not constitute an endorsement by the Department of the Army of the products or services advertised.

VOL. XIV; NO. 36

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

JANUARY 26, 1966

DONLEY NAMED DEPUTY

Nike-X Fire Ball Launch Probes Light Absorption

A ball of fire that may be visible for more than 500 miles was to be ignited in space over the Florida coast last night by the Army's Nike-X missile defense project.

The experiment may ultimately aid in better defense for this country against intercontinental ballistic missiles.

From a distance of 100 miles the glowing ball will be as bright as the planet Venus—our so-called Evening Star.

Schedules called for the experiment to be conducted last night at Elgin Air Force Base, Fla.

Even the Tiros weather satellite may figure in the experiment.

Lee Webster and Boyd Wooten, Nike-X physicists in charge of the experiment, and their branch chief, Norman Buchholz, say the burning sphere will simulate the radiations given off by an ICBM during its fiery plunge to earth.

Nike-X is a missile system being developed by the Army to detect and destroy ICBM's and submarine launched ballistic missiles in flight. Headquarters for the project is at Redstone Arsenal, Ala.

The experiment is one of several being conducted by the Pro-

ject to gather data which can be used to detect and identify ICBM warheads.

Webster says the brilliant light of the glowing ball will be generated by an incandescent pyrotechnic ball that is 8 inches in diameter and weighs 30 pounds. Once ignited it will continue to radiate for some 3 minutes and reach a temperature of 5,500 degrees Fahrenheit, a little over half the sun's surface.

It will be rocket borne to an altitude of 52 miles above the earth's surface.

The experiment is being conducted to study atmospheric absorption of visual and infrared light, particularly infrared. Because the sphere will emit a precisely known quantity of rays, Nike-X experimenters can measure the effects by studying the radiations received on the ground.

Infrared energy consists of a wide range of light waves beyond the red end of the spectrum which are invisible to the eye. Household heat lamps are a common source of infrared rays though (See FIRE BALL on Page 3)

Gen. Harvey Opens Meet

The second worldwide meeting of representatives for Army Fire Distribution and fire Control opened here yesterday morning with a welcome from Brig. Gen. Clarence C. Harvey, Jr., Deputy Commanding General for Air Defense Systems, U. S. Army Missile Command.

Host for the meeting at Redstone Arsenal is the U. S. Air Defense Fire Distribution Office System headed by Col. Morris W. Pettit. Approximately 125 representatives from bases around the world are attending the three-and-one half day conference. It ends at noon Friday.

The program covers current programs of the Combat Development Command and the Missile Command and will follow through with projected programs to fulfill the Army's need to develop long range air defense control and coordination plans.

Lt. Col. Leslie Nicholson, Chief of the Systems Support Division of the ADFDSO is working as coordinator and project officer for the meeting which was called by Department of the Army.

Colonel Heads Land Combat Systems Office

Col. Edwin I. Donley, Project Manager of the Pershing Weapon System here since 1963, has been named Deputy Commander for Land Combat Systems at the Army Missile Command.



COL. EDWIN I. DONLEY

He replaces Brig. Gen. Charles W. Eifler, now serving in Vietnam. Announcement of the appointment was made by Maj. Gen. John G. Zierdt, Commanding General of the Missile Command.

Col. Donley, 47, recently was nominated by President Johnson for the one-star rank of Brigadier General. His nomination has been sent to the U. S. Senate for confirmation.

As Deputy Commander for Land Combat Systems, Col. Donley is responsible for management and development of missile systems designed for use by front line troops. Pershing is one of these systems.

Col. Donley came to Redstone in August 1963 and, after serving two months as special assistant to Gen. Eifler, was named Pershing Project Manager. Pershing, the Army's longest range ballistic missile, still was being test fired then. It is operational now with United States and West German troops.

A native of Buchanan, Mich., Col. Donley is a 1940 graduate of the U. S. Naval Academy with a Bachelor of Science degree in Engineering. He was commissioned a Second Lieutenant in the Army in 1941 and assigned to the Industrial division, Office of the Chief of Ordnance, Washington, D. C. He joined the 76th Infantry Division in June 1942 and spent the remainder of World War II as Assistant Ordnance Officer and later Division Ordnance Officer, stationed at Camp McCoy, Wisc., and in the European Theater.

After World War II, Col. Donley had tours of duty with the Army in the Caribbean Area; Office, Foreign Liquidation Commission (See DONLEY on Page 3)

Aeronutronic Gets Contract For Chaparral

The U.S. Army has announced the award of an \$8 million contract to the Philco Corp., Aeronutronic Division, Newport Beach, Calif., to continue an engineering design and test program of the Chaparral air defense missile system. The contract will be incrementally funded with the current increment funded at \$5.2 million. The contract includes fabrication of engineering models of the system and its associated test equipment.

The work authorized by this award will be performed at the corporation's Newport Beach plant. (See AERONEUTRONIC on Page 8)

Missile Command Battery To Be World's Most Powerful

The most powerful battery in the world—pound for pound, it can give off about as much energy as dynamite—is being built for the U.S. Army Missile Command's Research and Development Directorate as a power source for laser, the high energy light beam around which a whole new field of technology is developing.

Tremendous amounts of electricity are needed in short bursts to power a laser. Up to now, one of the problems researchers have encountered is the size and cost of banks of capacitors needed to store the required electric charge.

A few years ago, Charles Cason of the Research and Development Directorate conducted an in-house study of available laser power supplies for the Future Missile Systems Division. "It seems that the battery has been overlooked as a good source of power," was Cason's conclusion.

The Missile Command then awarded a contract to Gulton Industries, Inc., of Metuchen, N. J. to build such a laser battery. It will be delivered sometime in 1966.

The battery, a 25 million watt rechargeable nickel cadmium battery, is by far the most powerful in the world. It will be capable of an extended series of 5,000 ampere pulses at 5,000 volts. The most powerful lead acid batteries now in use, like the ones in automobiles only larger, have less than one-tenth the power which will be packed into the new unit.

The battery will be used for generating the high energy, short length electrical pulses required for the efficient operation

of flash lamps for lasers.

The one big advantage of the new battery, according to William A. Davis, Jr. of the Research and Development Directorate, will be its compactness. It will contain several thousand pounds of active electrode, but will be only about as big as a telephone booth. For further ease in handling, it will be broken down into smaller modules of several hundred plates. One module will be about three feet long, a foot high and six inches wide.

Using a battery, the laser operation will be simpler, too. Gone will be the huge banks of capacitors or condensers, and related circuitry. The battery will be connected directly to the flash lamp, which energizes the laser.

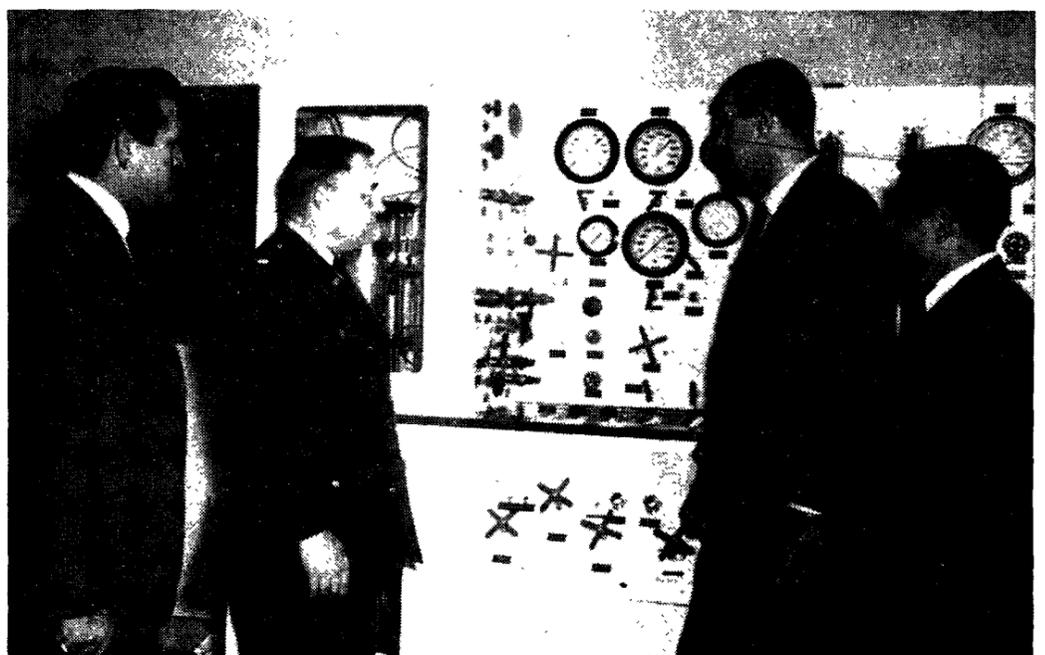
Davis said the telephone booth-size battery, pound for pound, will closely approach dynamite in the amount of electro-chemical energy it can produce. A pound of dynamite gives off about two million joules of energy, and a pound of the battery won't fall very far under this output.

One stumbling block remains to be hurdled before the battery can be connected to a laser and tested. With so much high voltage backed up—it can light up a half million fluorescent lamps simultaneously—a special kind of switch is needed to cut the power on and off in a split second. The Physical Sciences Laboratory of the Missile Command is working on this problem, and Cason said he has a few ideas, one of which may materialize into a workable switch.

There's no problem getting the

power turned on, Cason pointed out, but to get it turned off without just waiting for the power to drain off is not so easy. Five thousand volts backed by 5,000 amperes throw quite a spark and arc around conventional switches.

The battery can be recharged overnight.



OAK RIDGERS VISIT P&P—Twelve visitors from the Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn., representing four foreign countries and the United States visited the Missile Command last week. Looking over a pneumatic testing device in the Procurement and Production Directorate's Engineering and Quality Assurance Division, are from left: Herbert Kelley, Deputy Chief of the Division's Production Test Facility; Lt. Col. John H. Weaver, Chief of the Engineering and Quality Assurance Division; Frederik W. J. Groeneboom, a research assistant from the Netherlands; and Max H. Lombardi, a scientist from Peru.

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 976-1400 or 976-1500.

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Rocket Ruminations

The vagabond, when rich, is called a tourist.
—Paul Richard



COUNCIL GETS JETS CHARTER—Maj. Gen. John G. Zierdt, Commanding General, U. S. Army Missile Command, presented a Junior Engineering Technical Society charter to Council Training School in a ceremony at the school recently. JETS is a national organization in which industry, government, technical associations and educational institutions work together to encourage and assist scientific programs at the high school level. From left are S. W. Reece, Alabama Chief Engineer with Southern Bell Telephone and Telegraph Co., Birmingham; Gen. Zierdt; A. G. Adams, Principal, Council Training School and William Williams, president of the Council JETS Club.



JAG TAX TIPS

This is the first of an Army News Features series prepared by Lt. Paul M. Little, Chief, Personal Tax Branch, Legal Assistance Division, Office of The Judge Advocate General.

Under the Soldiers' and Sailors' Civil Relief Act, only the state of which a serviceman is a legal resident (domiciliary), as opposed to the state in which he may be only a temporary resident may impose a state income tax on his military pay.

Formerly the Department of the Army sent information regarding a serviceman's pay to the tax authorities of the state where his Finance Officer was located; however, under the provisions of AR 37-104-2 (February, 1965), the Army is now required to send Copy E of Withholding Form W-2 to the state which the serviceman indicates to be his legal residence.

Furnishing Legal Residence

If the serviceman has not indicated a legal residence, this information will be furnished to the state in which the serviceman is stationed. Hence, if a serviceman fails to indicate a legal residence, the tax authorities of the state in which he is stationed may attempt to tax his military pay and personal property.

The Army will not automatically send to a state information regarding the military pay received by a serviceman while he is stationed outside the United States.

Because of his frequent changes in duty station, determining the legal residence of a serviceman is quite often a complex problem; however, everyone must, under the law, have a legal residence. Generally, the legal residence of a serviceman when he entered the Armed Forces is not lost unless a new one is acquired.

Need Three Elements

To change a legal residence there must be a simultaneous concurrence of three elements: physical presence in the new locality; an intention to remain there permanently or indefinitely; and an intent to abandon the old legal residence.

Servicemen having questions regarding their place of legal residence should read DA Pamphlet 355-8, Troop Topics: Your State and Local Taxes (May, 1963). The local Army Legal Assistance Officer is prepared to help if further assistance is needed. (ANF)

Medicare Poses Questions

To cancel or not to cancel, is a question facing a number of Redstone civilians in regard to the government employees health insurance program.

Enactment of the Medicare plan last year set up a situation where many Federal employees, already enrolled under one of the health insurance plans, is, or will be, eligible for the new program when it becomes effective on July 1, of this year.

Like other citizens who have private health insurance policies, civil service annuitants will have to decide whether they should make adjustments in their present coverage in view of the protection they may be eligible for under Medicare.

For many, the decision will be complicated by certain restrictions in both the Medicare law and the laws governing the Federal Employees Health Insurance program. What appears advisable for one person may not prove beneficial to another.

Therefore the Civil Service Commission has refrained from setting down a recommended course of action and has advised each affected employee to review his own personal position before deciding to drop the health insurance plan in favor of the Medicare program.

The Medicare program was enacted last year as an amendment to the Social Security Act providing two types of health insurance—hospital insurance, covering inpatient hospital services and related expenses, and medical insurance, to help pay doctor bills and other items not covered by the hospital insurance.

All persons 65 or over, including present and former Federal employees, who are entitled to monthly social security or railroad retirement benefits, are automatically covered, and they need not make application.

Also eligible for the hospital insurance are those Federal employees who (1) retired prior to July 1, 1960; and (2) those who retired between July 1, 1960, and February 16, 1965, if they never had coverage under the Federal Employees Health Benefits program, had the coverage and dropped it prior to February 16, 1965, or had coverage as active employees but were not eligible to

carry the insurance into retirement. These individuals must apply to the Social Security Administration for the coverage.

The medical insurance coverage is open to anyone 65 or over, including present and former Federal employees. Anyone desiring to obtain the medical insurance effective July 1 must file an application with the Social Security Administration.

Persons receiving the medical insurance coverage will pay a monthly premium of \$3.

Those who do not enroll for the medical insurance by March 31 will have to wait two years for the next opportunity and will then be required to pay a higher premium.

The CSC has advised federal employees who can qualify for hospital insurance under Medicare, but are not receiving social security or railroad retirement benefits because they have never

applied for them or never worked under social security, to visit their social security office to establish their eligibility and apply for the coverage.

Employees eligible for Medicare hospital insurance should apply for it even though they may be covered under the federal employee program, the Commission advised.

It is noted that persons covered under both programs will be prohibited from collecting benefits under both that amount to more than their medical expenses. Where an individual is covered by both programs, the federal employee insurance will supplement the Medicare coverage.

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Tool and Manufacturing Engineers Meet Feb. 1

The American Society of Tool and Manufacturing Engineers will meet at the Candlelight Inn Feb. 1 to hear Wendle E. Foote discuss "Static Adjustable Speed Drives."

Foote is in the Adjustable Voltage System of the Square D Company of Milwaukee, Wis.

The meeting starts at 6 p.m. with a social hour preceding dinner and the technical session scheduled to begin at 8 p.m.

Mitchell W. Krakus is handling the reservations.

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AMERICAN PLAN



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VISITOR FROM SYRACUSE—Maj. Gen. James B. Quill, retired, (right), Director of the Army Comptroller School at Syracuse University, was at the Army Missile Command recently to do research for teaching material to be used at the school. Here, he is shown with Robert C. Lowery, Deputy for Programs, Missile Command. During his two days at Redstone, the visitor was taken on a tour of various Army facilities and briefed on their operation.

FIRE BALL

(Continued From Page 1)

they produce rays in only a small portion of the infrared region.

The firing will be timed to coincide with the passing of the Tiro satellite. Project officials said that the experiment may be useful in checking on the accuracy of the weather orb's cameras.

The experiment is being conducted by the Discrimination Branch of the Nike-X Project's System Requirements Division.

Another Army Agency, the Electromagnetics Laboratory of the Army Missile Command's Research and Development Directorate at Redstone, will also be involved in the experiment. The laboratory will provide instruments and personnel for making ground measurements.

The sphere was launched by the Air Force's Probes and Gemini Support Division of the Air Proving Ground Center at Eglin.

DONLEY

(Continued From Page 1)

sion, State Department, Washington, D. C.; Office Chief of Ordnance; and a tour as Executive Officer and Deputy Commander at Picatinny Arsenal in New Jersey. He was sent to Korea in June 1961 for an assignment with the Korean Military Advisory Group as Senior Supply and Maintenance Advisor to the Deputy Chief of Staff (Logistics), Republic of Korea Army. From there he reported to Redstone.

Col. Donley has an MBA degree in Industrial Management from the University of Michigan. He also is a graduate of the Command and General Staff College, Ft. Leavenworth, Kan., and the Industrial College of the Armed Forces, Ft. McNair, Washington, D. C.

He is married to the former Miss Marion Loraine Miller of Annapolis, Md. They have three sons, Steven, Kevin and Douglas.

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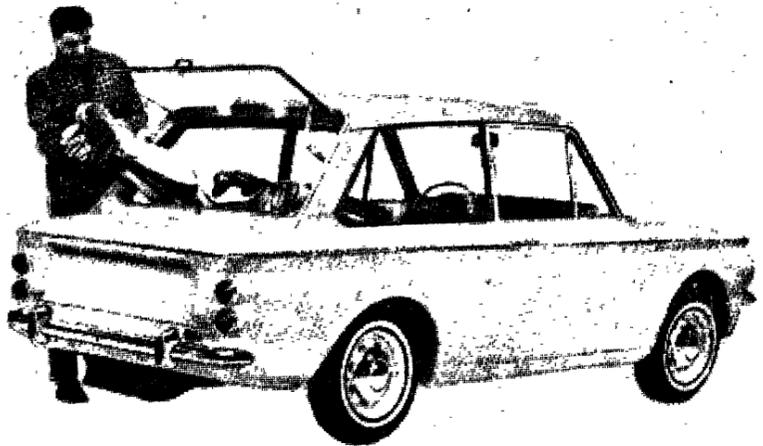
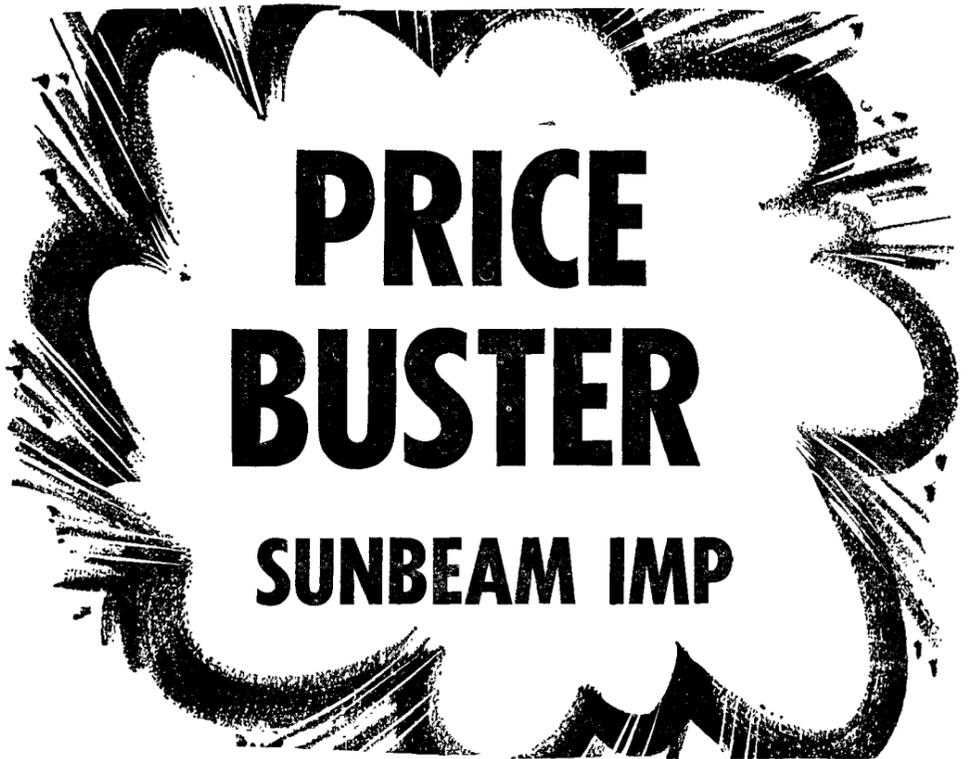
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Officers Wives Welcome Newcomers At Coffee

Page 4 The Redstone Rocket
— January 26, 1966

Social

TOASTMISTRESSES LEND LISTENING EAR AT MEETING

The Huntsville Toastmistress Club met Wednesday evening at the Russell Erskine Hotel. The President, Miss Marian Hocker, introduced the evening's theme "A Listening Ear" which progressed along a somewhat more serious vein than usual, with Toastmistresses lending an ear to a discussion of forthcoming events. The Inspiration was delivered by Mrs. Alice Faye Earnest.

President Hocker presided over the business session which included appointment of a Bylaws Study Committee. Mrs. Jack McConaha was appointed Chairman and Mrs. R. M. Coulter and Mrs. Sid Stein, committee members. Club Representative Miss Nell Curtis reported on the January 15 trip to Council 8 at Chattanooga. Miss Dolly Wiginton, Program Chairman, informed members of the forthcoming trip to Birmingham at which a nominating committee for the new Council I officers would be appointed. Miss Wiginton also discussed plans for the Speech Contests, one of the year's highlights, preliminaries of which will begin February 2, culminating in final speeches at the international level to take place in July.

Mrs. R. D. Chamberlain led the table topics, soliciting enlightening discussions from members on the President's State of the Union Message. Mrs. R. P. Hearn was voted best topic speaker.

Mrs. Noel E. Donlin served as Toastmistress. The program included an autobiography by Mrs. Helmut Krenn, and an extemporane-

ous speech by Mrs. R. P. Hearn. Mrs. Alois Sandecki delivered an Impromptu speech and Mrs. Sid Stein was Lexicologist. Mrs. Helmut Krenn was awarded the best speakers cup.

The Evaluation Panel served a dual purpose. Lead evaluator Mrs. Alice Faye Earnest and evaluators Miss Dolly Wiginton, Mrs. M. L. Perkins and Mrs. Rhoda High not only evaluated the evening's speakers, their evaluations also included preparation of speakers for the Speech Contests. Tellers were Mrs. Jack McConaha and Mrs. Fran Havernick.

Guests were Mrs. Robert McCloud, Mrs. Scott Kidd, Mrs. James H. Pierce and Mrs. Hamer Garther.

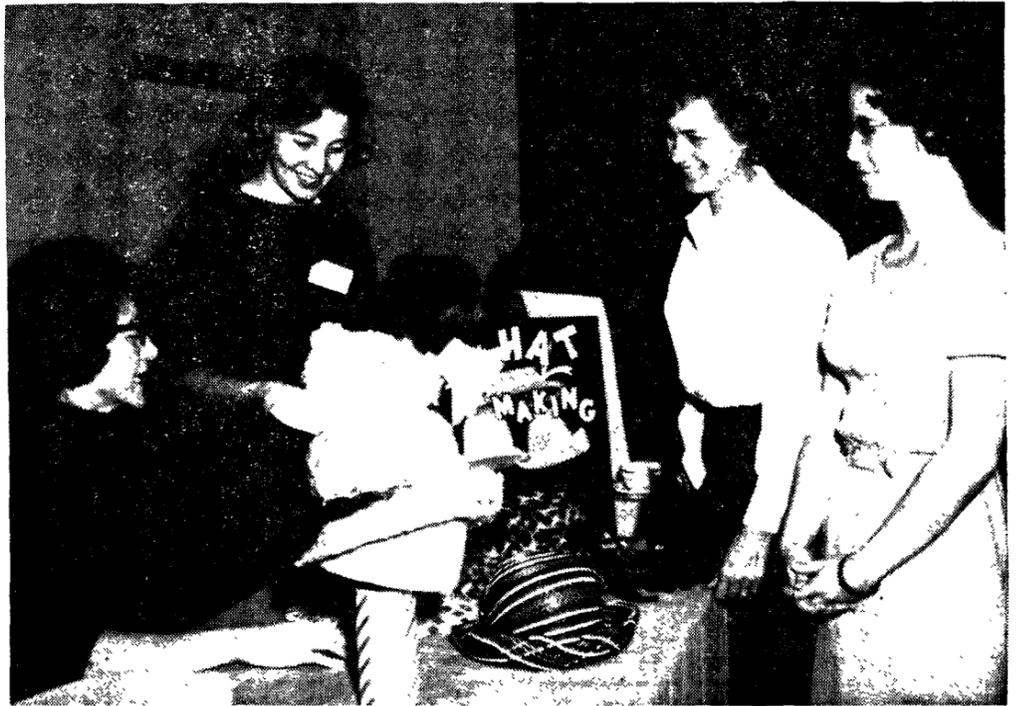
The next meeting will be Feb. 2.

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The next meeting will be Feb. 2.



HAT MAKING—Some of the activities of the Officers Wives Club are just for fun and one of them is hatmaking. Left to right: Mrs. John L. Garcia, chairman, and Mrs. Norris Hightower, instructor, discuss the ease with which a hat can be decorated with Mrs. Tommy Grayson and Mrs. Charles Young during the Welcome Coffee sponsored by the Redstone Officers Wives Club.



CHORAL WORK—Mrs. Hugo C. Sanford helps Mrs. Errol Hayes sign up to sing with the Redstone Officers Wives Club Choral Group during a Welcome Coffee at the Redstone Officers Open Mess.

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OFFICERS INSTALLED

Thiokol Management Club, Inc. installed officers for 1966 at the January meeting at the Willowbrook Country Club. They are: A. P. Hayes, President; C. F. Owens, first Vice President; Mrs. M. H. Larimer, Secretary; G. K. Grace, second Vice President; and W. J. Massey, Treasurer.

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AT ROA MEETING—Brig. Gen. Donald S. Dawson, AF, (left) and Maj. Gen. John G. Zierdt and their wives chat before the dinner meeting of the Reserve Officers Association Friday night. Gen. Dawson, National ROA President, was the guest speaker at the meeting. Left to right are Gen. Dawson, Mrs. Zierdt, Mrs. Dawson, the former Ilona Massey of movie fame, and Gen. Zierdt.

Reserve Officers Hosts To National President

The Reserve Officers Association was host Friday to the National President of the Reserve Officers Association, Brig. Gen. Donald S. Dawson (AF), the guest speaker at a dinner meeting at the Redstone Officers Open Mess Friday night.

Mrs. Dawson, the former movie star, Ilona Massey, accompanied the General. Other special guests were Maj. Gen. and Mrs. John G. Zierdt, Commanding General, U.S. Army Missile Command, Maj. Gen. and Mrs. W. A. Cunningham, Commanding General of the IV U.S. Army Corps and Brig. Gen. and Mrs. Horace B. Hanson, Jr., Commanding General of the 87th Maneuver Area Command. Gen. Hanson introduced the speaker to the local ROA and their guests, numbering approximately 200.

Friday afternoon the visitors were conducted on tours of the Research and Development Directorate's Francis J. McMorrow Laboratories and the Marshall Space Flight Center Quality Laboratory, the Space Orientation Center, and were witnesses to a static firing of Saturn IB.

Among the escorts for the party were a number of reserve officers including Lt. Col. Jack Edgar, past president of the local ROA chapter: Cdr Ed S. King, current president; Mrs. John Snyder, President of the ROA Ladies; Mrs. Edgar, Mrs. King; Capt and Mrs. Michael Vaccaro, vice president for the Air Force; Lt. Col. and Mrs. Charles Shields; Col. and Mrs. J. V. Klima, vice president for Army; Lt. Col. and Mrs. Paschal E. Redding. Redding is program chairman for the local organization. Others in the group were Cdr John H. Graham, Col. Arthur T. Ousley, Lt. Col. Carl L. Jones,

Capt. Harold Wright and Maj. John P. Marron, also Reservists.

Gen. Dawson, in his talk to the ROA at the Mess, told them the organization is one of real purpose and that we must have the strength to back up our convictions. He mentioned the major problem of Vietnam confronting Congress and the Nation.

He talked about the citizen Army of World War II and stated that the Reserve should have a secure place untouched by politics. He said the country would be weak if the Reserves are weak.

Recreation Association Schedules Grande Ball

Redstone Recreation Association's biggest event of the year, the Annual Grande Ball, is scheduled for Saturday, February 19, 1966, at the Sheraton Motor Inn. Tickets for the event are now on sale, and can be ordered by calling the group's secretary at 534-4309.

Music for dancing will be furnished by the Gene Louis Sextette. The dress is semi-formal, according to Miss Jan Tuggle, the Ball Chairman.

Cocktails will be served at 6:30 p.m., and a "Royal Buffet" will be served at 7:30 p.m. Dancing will be from 9 to 1.

Persons wanting to reserve tables for their parties are asked to do so as early as possible since several tables have already been reserved at this date.

Further information about the ball or membership in the association is available by calling the secretary's number.

MRS. ASTOR IS BRIDGE WINNER

Monday night bridge winners were two women and a man at the Redstone Arsenal Officers Open Mess.

Mrs. Raymond Astor scored high with Col. Worley in second place and Mrs. Owen Wilson in third. Seven tables were in play.

Reservations to play on Monday night are handled by Mrs. Peter Kostoff and Mrs. Thomas Lynch.

Feb. 23, 1929—Chief of Staff was given rank of general by Congress.

At The Service Club

By Betty Hayes

Believe it or not, the last week in January is here. For the remaining days of the month we have scheduled a variety of programs, which you are guaranteed to enjoy.

For an example let's start with tonight when we travel to a fascinating place by film. If you saw the travelogue, See You In Peru, last week, you are assured an equally exciting adventure this week. See you in the TV room at 7:30 p.m.

What is the contest for Thursday night? Shuffleboard is on the agenda at 8 p.m. I know that many of you participate in this game because the equipment is constantly being checked out. Why not try your skill against other players; who knows—you may be the champion.

An extra hand will be needed in the kitchen on Friday evening for the fudge party at 8 p.m. Let us benefit from your knowledge of that special fudge recipe.

Relax and enjoy your favorite game, magazine, or TV program with a hot cup of coffee and light refreshments on Saturday afternoon.

Game night is on the schedule for Saturday night with prizes and tasty refreshments in store for you at 8 p.m.

On Sunday evening, dance to the beats of the Travelers at The Winter Wonderland Ball at 8 p.m.

A surprise evening of games will be played on Monday night at 8 p.m.

Start the first evening in February off right by participating in a bridge game at 7 p.m.

Congratulations to Kim Sam Yong, 3rd ETC, who was the table tennis champion in January.

If you enjoyed the activities in

January, why not make plans to attend the Service Club functions in February. A sneak preview into my little black book shows The Sweethearts Ball with the Wacs from Ft. McClellan as special guests and The George Washington Frolics as two big events for February. Don't forget to check this column each week for additional information on these and other functions in February. See you at the Service Club.

OFFICERS WIVES

(Continued From Page 4)

and inclination.

Artists are signed up by the art group, bridge players for the Monday and Thursday bridge sessions, linguists have an opportunity to practice French, and novices can take bridge lessons. In addition there are enthusiastic golfers, bowlers, and assorted groups with an athletic bent facilities.

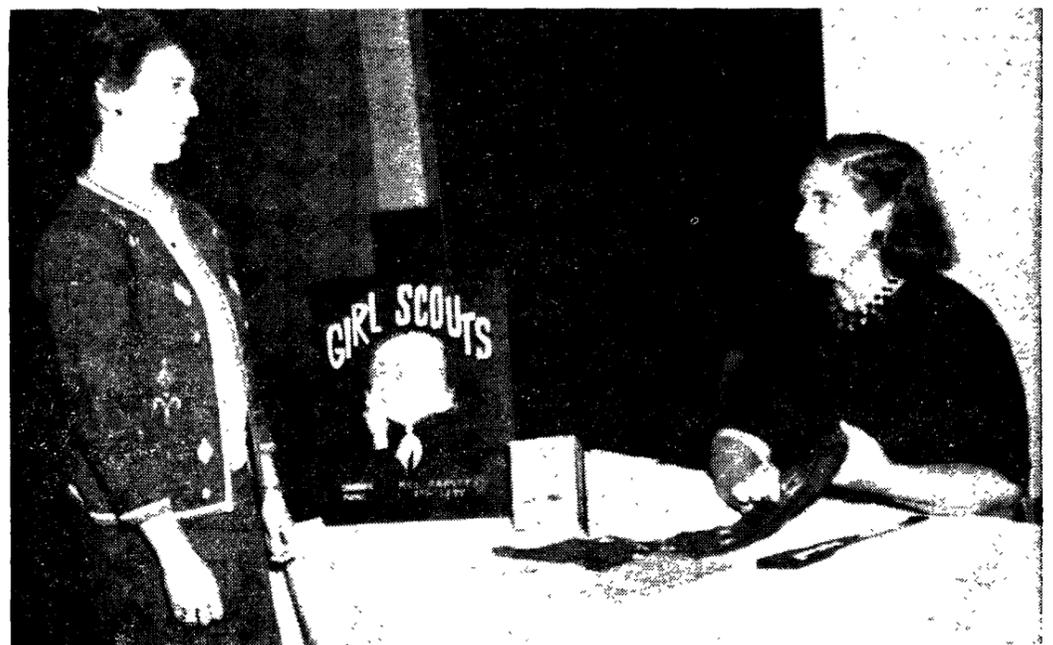
The most recent coffee was attended by more than 200 members of the Wives Club and their guests. Activities booths were placed under orange canopies and occupied by participants of the activity. Around the walls were headlines from the 19th and 20th century along with grocery ads with such outlandish prices as potatoes, two-cents-a-pound and such.

The whole was engineered by Mrs. John F. Geiger, chairman of the hospitality committee, and her committee members: Mrs. Fenton L. Angell, Mrs. Thomas E. Little, Jr., Mrs. Willard Anderson, Mrs. Carl T. Bayer, Mrs. Robert T. Walker, Mrs. Carroll Waller and Mrs. James T. Thompson.

The serving tables were covered with bright yellow cloths, accented by napkins in hues of red and orange that matched the spreads on the miniature sandwiches. The whole arrangement gave a gala air of informality in which the Hospitality Committee members also participated as pourers.



CHAPEL ACTIVITIES—Mrs. Richard P. Davidson and Mrs. Charles R. Cranford, Jr., discuss some aspects of activities at the Redstone Post Chapel. Wives Club members help promote the religious programs on Post.



GIRL SCOUTS—Mrs. Frederick Neidermeyer and Mrs. Maelyn Abbott discuss the merit badges a Girl Scout can earn. Both are active in Girl Scout activities. Mrs. Abbott is the head of the Post Girl Scout program.

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Bob Wright Fires 621 To Pace Civilian Bowlers Parade of Stars

Supply Management League: Bob Wright, 621 (211, 206, 204), Hal Williams, 595 (211), George Bush, 583 (210), Tom Patterson, 582 (234), Tom Lindsay, 575, Ernie Danes, 569, Bob Keel, 567 (237), John Montana, 564, Mel Tack, 563.

Field Services League: Ralph Sturgill, 592 (202, 206), Ed Murrah, 590 (242), Hal Miller, 587 (223), Theron Sumner, 579 (224), Aalph Pochler, 577 (208, 202), Ed Leahy, 574, Ed McCracken, 571, George Farrar, 556 (211).

AMC League: Harry Johnstone, 556 (227), Mel Webb, 555, Bob Cook, 541, Bob Bailey, 537.

Redstone League: Jim Denk, 596 (252), Dick Cizek, 566 (203-204), Vic Passavant, 559 (210), Oliver Patrick, 549, Andy Zaubier, 536.

It was strictly a 'hot and cold' week on the Civilian bowling front last week with quite a few outstanding individual efforts and just as many performances that hardly bear repeating.

Almost all of the fireworks were generated in the two supply leagues where the bowling was definitely first class. The Supply Management League had one bowler in the Honor Roll class and 12 others that passed the 550 mark. Nine Field Services League bowlers bettered 550.

Such was not the case in the AMC and Redstone Leagues where only five men in the two loops were able to reach that figure.

The latest addition to the Honor Roll was Bob Wright who went over 200 in all three games in posting a 621 to lead the Satellites to a trio of wins.

Wright got plenty of help from his mates and they turned in a 2989 total, the best team effort of the week.

In the same league the Brick

Rollers Regain Poise In Sweep of Rounders

Shaking off the effects of their loss of the previous week, the Rocket Rollers got their title express rolling again last week in the MMCS Officers bowling league with a clean sweep of their match with the rounders.

The league leaders added another point to their lead over the Black Jacks and fired a leading 2784 team total in the process. Ralph Herrick led the attack with a 509 while Milt Fogel had a 502 and Bob Love added a 507 in the losing cause.

The Black Jacks got a 517 from Tom DeLoach and a 510 from George Earle in winning three points out of four from the Satellites. The Jacks are now two and a half points off the Roller pace.

In other matches F Troop had a 3 to 1 margin over the Squirrel Hill Mob and the Bad Gnus took three out of four from the Missilemen. Walt Seip shot a 514 for F Troop and John Harris went him one better for the Gnus.

and Tile team boosted their lead to six and a half points with three wins while the All Sports Trophies were being held to an even split.

The B&T quintet got a 575 from Tom Lindsay and a 561 from Jack Bailey.

Another outstanding tandem effort by Tom Patterson and Ernie Danes provided the fast rising Chicken Hawks with the drive to score a sweep. Patterson shot a 582 and Danes came in with 569.

The Field Services league standings remained about the same with each of the first four teams being held to a split. The Guided Muscles hold a single point lead over the Crackers with the Chief's another point off the pace.

Ralph Sturgill fired a 592 including a pair of 200s for the Chiefs and Ed Murrah fired a 242 game and a 590 series for the Crackers. The Guided Muscle leader was George Farrar with a 556.

The Dean's Trailer Park team saved the Redstone League some semblance of form when they put all five of their bowlers over 500 and ended with a total pinfall of 2987. The outburst gave Dean's a clean sweep over the Control Office and boosted them into second place.

Valley Cleaners lead the league by a point and a half with the Six Shooters in third, a point behind Dean's.

Jim Denk started the evening with a 252 and then fell down in the other games and missed Honor Roll status by just four pins. Dick Cizek had a 203 and a 204 and ended his night's work with a 566.

Harry Johnstone topped the AMC League with a 566 and Mel Webb was the only other bowler over 550 when he hit a 555. There were only 13 bowlers in the league that hit 500.

The league leading Maulers suffered one of the poorest evenings as far as pinfall goes, but still won three points and now lead the Bombers by two and a half. Neither of the two leading teams had a 500 in their lineup.

Webb, together with Ernie Danes and Howard Helmick, gave the Skippers a trio of better than 500s and a sweep over the Packers.



FOOTBALL CHAMPIONS—The flag football championship and runner-up trophies are accepted by "A" Co. representatives, left, and Headquarters Co respectively. From left to right are 1st Lt. Roy H. Zumwalt, commanding officer of "A" Co.; Sp 5 Pete Carruthers of "A" Co.; Sp 4 Peter Valentino, Hq. Co.; and 1st Lt. Antonio G. Cosentino, Hq. Co. commander. The trophies were won in competition among all companies of the School Troop Command, of the Army Missile & Munitions Center & School.

Unit Level Leaders Hear Rumble From Down Deep

Activity in the Unit Level basketball league was somewhat lighter than usual last week as the post team was getting in their final practice licks in preparation for the Third Army tournament at Ft. Rucker this week.

Among the leaders, only the Military Police saw action, and they almost wish that they hadn't. The Police had to fight all the way against a steamed up MICOM team before finally coming out top, 67-59.

The league leading C Company team and the Officers had the week off, while the teams in the lower echelon of the standings knocked heads against one another.

One of these, the First ETC, took advantage of the situation and scored three straight wins to jump up three rungs on the ladder.

Winner of only one game out of the first seven starts, the First turned an almost complete turn about and served notice to the rest of the league that they are not to be taken lightly the rest of the way.

The school team opened the weekly slate with a 41-34 win over Third ETC and then added a 39-34 win over A Company and a 42-29 victory from Officers No. 2.

Bill Barrett is the big reason for the resurgence of the First crew although the whole team has started to play a much improved

game. Barrett tossed in 17 points in the opener and 23 in the win over A Company. He turned over scoring honors to Johnny Todd in the final game.

The Military Police and MICOM fought it out on almost equal terms until the final minutes when the police were able to use a short lead in forcing the MICOM cagers into several fouls.

The lead changed hands nine times in the first half and was tied on five occasions before the Police grabbed a 32-29 lead at the intermission. MICOM rallied early in the second half and scored five straight points but Mike Stuart hit one of his patented jump shots to tie the score at 34-34 and from there on out the winners were able to hold onto the lead.

Stuart, was a little below average but still tossed in 30 points to lead his mates and Jerry Gonsiorek added 16 more. Joe Schenk and Warren Kushnick combined to keep MICOM close with 24 and 14 respectively.

The largest individual outburst of the week was generated by Kim Karstensen in leading Third ETC. to a 79-27 frolic over Second ETC. Karstensen hit 16 out of 21 field goal attempts and 10 out of 11 free throws for 42 points. Bill Fox was the whole show for Second and collected 17 of their points.

MICOM prepped for the battle with the MPs with a 45-23 win over

Wheezers, Hopefuls Share A-B-C Lead

Clean sweep wins by the Wheezers and the Hopefuls boosted the pair into a tie for the lead in the A-B-C Officers bowling league last week as the Saturn Five crew was being held to a split by the Lucky Strikes.

The Wheezers took all four points in their match with the Pin Splitters and the Hopefuls dealt the same treatment to the Black Jacks. The other match on the weekly card brought the S Winners a 3 to 1 win over the Stump Knockers.

In the latter match the winners put together a 2797 series to grab team scoring honors for the week. Paul Bayer led the attack with a 553, Lin Kidd added a 521 and Carl Hansen chipped in with a 502, Johnny Johnson collected 53 sticks for the Knockers.

The Wheezers got a 563 from Tom Wilkerson and a 527 from Dave Dozier in their sweep and Otto Thamasett turned in a 503 to pace the Hopefuls attack. Ray Miller totaled 524 for the Black Jacks.

Rene Mood felled 511 maples, Ray DeBolt had a 509 and Don Vanderheyden turned in the same for the Lucky Strikes, and Trev Dumitru shot a 509 for Saturn.

Fourth ETC as Dick Waugh led the scoring with 18 points. The final game was a 53-26 win for Headquarters, STC, at the expense of Officers No. 2.

Bill McNall led the STC attack with 14 points and Carl Pasch tossed in 11 for the Officers.

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NEW LEGAL OFFICER—Capt. John M. Dull has been assigned as the new legal officer for the Nike-X Project's Kwajalein Test Site. Capt. Dull is a member of the American Bar Association and the Iowa Bar Association and is a graduate of the University of Iowa. Prior to being assigned to Kwajalein he was Post Claims Officer at Fort Carson, Colo.

The United States Armed Forces Institute has announced that a revised course in general psychology is now available. Titled "General Psychology" (E 485) the course corresponds to one semester of general psychology usually taught at the college or junior college level.

Unit Level Basketball

The Standings

	W	L
C Company	9	0
Military Police	9	1
Officers	8	1
MICOM	9	2
Medics	5	2
Hqs, STC	6	5
Support Command	5	6
Third ETC	5	6

First ETC	4	6
Fourth ETC	4	7
A Company	3	9
Second ETC	2	9
Officers No. 2	1	5
B Company	0	9

This Week's Schedule

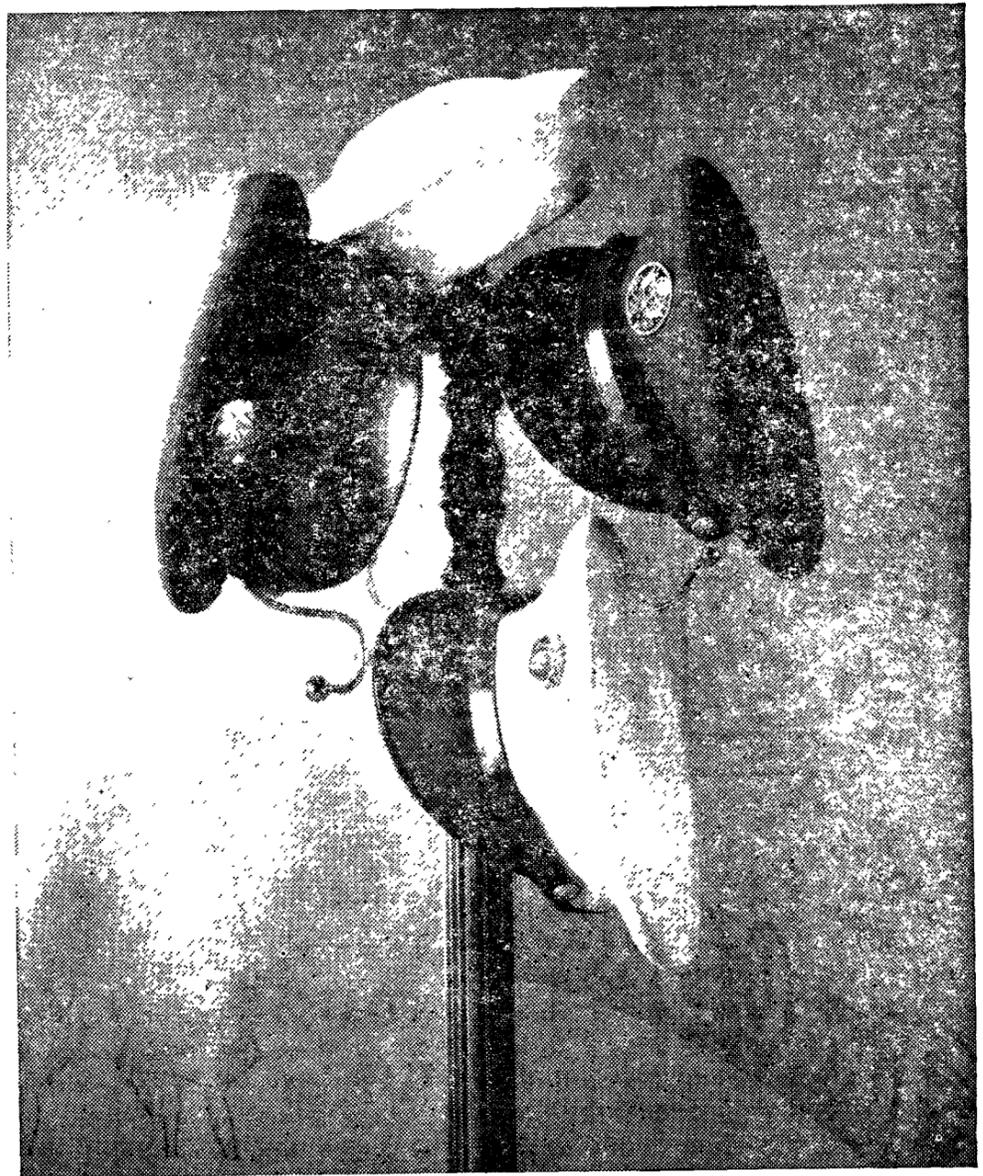
Tonite: AMSC vs. First, 1800
 C Co. vs. Fourth, 1900
 Second vs. B Co, 2000
 Friday: Medics vs. Off. 2, 1800
 Second vs. AMSC, 1900
 Monday: Medics vs. A Co, 1800
 Off. 2 vs. B Co, 1900
 Fourth vs. Third, 2000

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Cash You Get	MONTHLY PAYMENT PLANS			
	6 paymts	12 paymts	18 paymts	24 paymts
\$ 50	\$ 9.23	\$ 5.02		
75	13.84	7.53	\$ 5.45	
100	18.46	10.05	7.27	\$ 5.90
200	36.92	20.09	14.54	11.81
300	55.09	29.87	21.54	17.42

Above payments include principal and interest. Life insurance is available at group rates on loans above \$100.

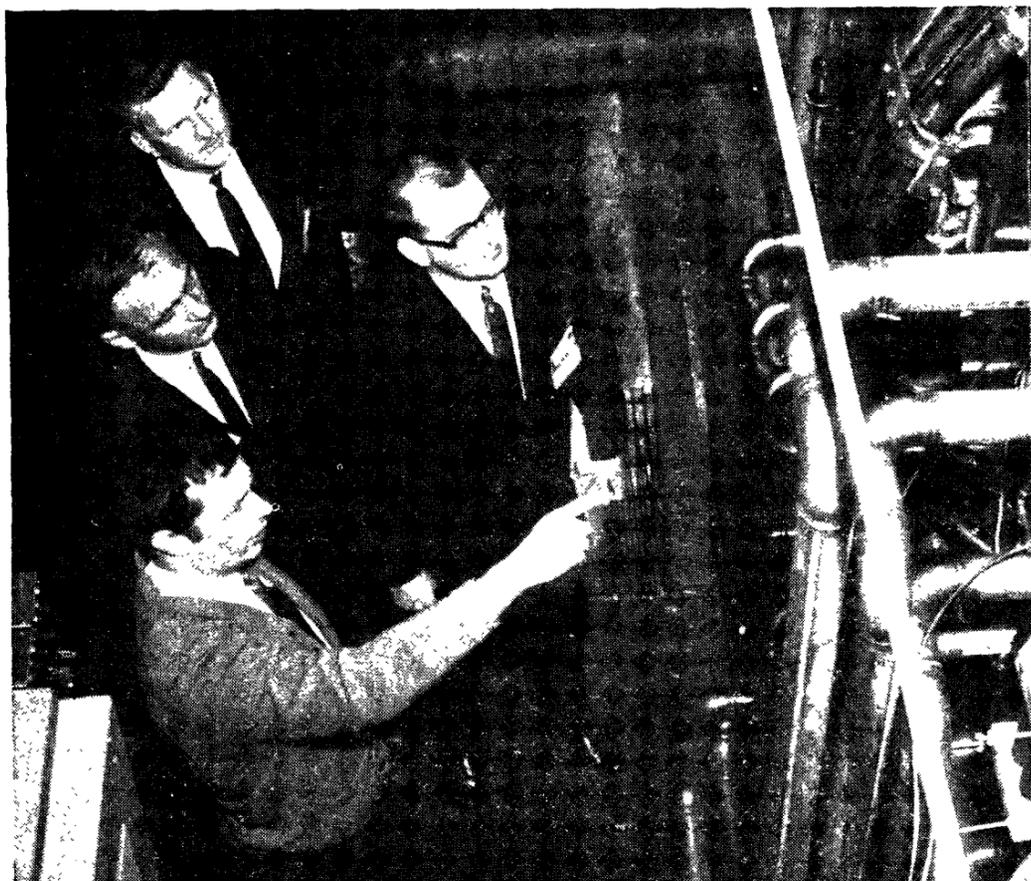
Cash You Get	MONTHLY PAYMENT PLANS		
	12 paymts	24 paymts	30 paymts
\$500	\$46.81	\$24.73	
700	64.92	34.30	
1000	92.30	48.76	\$40.05
1500	137.80	72.80	59.80
2000	181.96	96.13	78.96

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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Ask about our evening hours



VISITORS SEE PLASMA JET—Two professors in the Aerospace Department at Auburn University toured facilities of the Research and Development Directorate at the Army Missile Command last week. Here, Charles Cason of the Physical Sciences Laboratory explains to them operation of the plasma jet or hyperthermal wind tunnel where missile components are tested. From left to right are: Cason; Prof. Branimir D. Djordjevic; William G. Garner, Future Missile Systems Division; and Dr. Kenneth E. Harwell.

AERONEUTRONIC
(Continued From Page 1)

Chaparral is a surface-to-air missile system being developed by the U.S. Army to protect forward battle areas against enemy air-

craft. The system uses the previously developed Sidewinder 1C air-to-air missile modified for the ground-to-air role. The missiles are launched from a self-contained firing unit which has four launch rails for missiles in ready-to-fire condition.

For missions requiring full tracked mobility, the fire unit is mounted on a modified XM 548 fully tracked cargo vehicle. The fire unit is being designed so that it may be trailer mounted or dismounted from the vehicle so that semi-mobile emplacements can be formed.

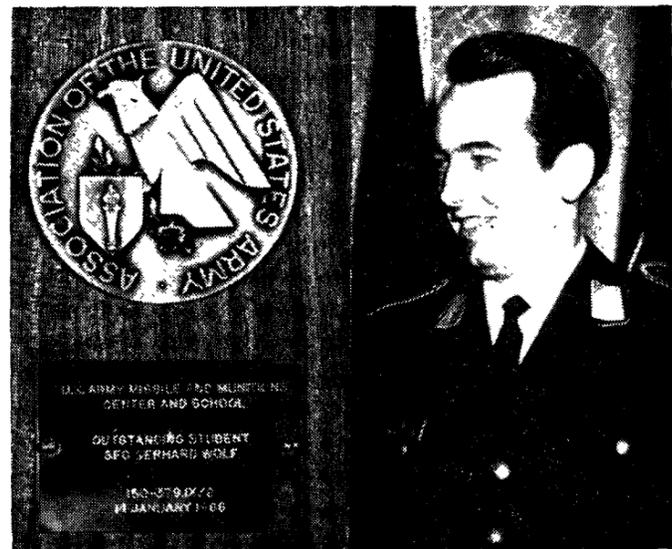
The contract was negotiated and executed by the Missile Command Procurements and Production Directorate headed by Col. B. A. Saholsky.

The Chaparral system is part of the U.S. Army Materiel Command's Interim Air Defense Systems Pro-

ject, headed by Lt. Col. John Peterson, with headquarters in Washington, D. C. The Chaparral Management Office at the Army Missile Command which directs Chaparral development, production and field support is headed by Lt. Col. William Smith.

The Chaparral program is under the cognizance of Brig. Gen. Clarence C. Harvey, Jr., Missile Command Deputy Commanding General, Air Defense Systems.

• An improved battery of tests has been adopted by the Army for evaluating potential aviators. Developed over the past several years, the new battery replaces three previous aptitude tests. Individual personality, leadership potential, receptiveness to flight training and other factors are measured by the test which is a prerequisite to approval for flight training. (ANF)



HIGH-SCORING MISSILE MAN—One of the highest academic records ever scored at the U. S. Army Missile and Munitions Center and School here was achieved recently by a sergeant of the West German Air Force. Sergeant First Class Gerhard Wolf of Landsberg, Germany, registered an average of 99.3 in a lengthy course on the Pershing ballistic missile system, one of the highest grades ever made here by 39,000 students from the U. S. and 20 foreign nations. He received a special plaque from the Association of the U. S. Army.

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Lt. Col. Astor Schedules Retirement January 31

Lt. Col. Raymond J. Astor, Chief of the Development Division of the Research and Development Directorate of the U.S. Army Missile Command, will retire on Jan. 31, after 21 years active service with the regular Army and Air Force.

A native of Chicago, the 43 year old Colonel has accepted a position as Manager of Advanced Planning with Ford Instrument Company, a division of Sperry Rand Corp., in Long Island City, N.Y.

Col. Astor came to Redstone Arsenal in 1964 as Chief of the Future Missile Systems Division. He had previously served as Commanding Officer of the 15th Ordnance Battalion in Germany; Chief of Advanced Technology in the European Research Office at Frankfurt, Germany; and Ordnance Officer in the Military Advisory Group at the American Embassy in Brussels, Belgium.

Prior to his European tour he was Chief of the Engineering Division of the U.S. Army Tank-Automotive Command. He commanded an Ordnance Company during the Korean hostilities. He has also served at the Defense Atomic Support Agency, Sandia Base, N.M., and the Air Materiel Command at Wright-Patterson Air Force Base, Ohio.

Col. Astor holds a BS degree in Mechanical Engineering from Chicago Tech and an MS degree in Engineering Science from Purdue University.

He has also attended Yale University, the Ordnance Basic and Advanced Courses at Aberdeen Proving Ground, Md. and the Command and General Staff College at Ft. Leavenworth, Kan.

He holds several awards and decorations including the Army



LT. COL. RAYMOND ASTOR

Commendation Medal. He is a registered professional engineer and is a member of the American Association for the Advancement of Science; American Institute of Aeronautics and Astronautics; American Ordnance Association; Armed Forces Communications and Electronics Association; Armed Forces Management Association; Association of the United States Army and Institute of Electrical and Electronics Engineers.

Mrs. Astor is the former Alma Ganis of Finleyville, Pr. They have a daughter, Gina who is a student at Florence State College and a son Raymond, Jr.

Army Spends \$12.3 Million For Services

Total Army Missile Command orders and awards for support services reached approximately \$12.3 million last month in purchases throughout the U. S.

Firms in the Southeast received \$1.3 million with \$893,000 going to Huntsville, \$64,000 to Birmingham, \$250,000 to other Alabama cities, and \$135,000 to Georgia and Tennessee.

Three Huntsville companies were among those given some of the larger orders. Astro Space Laboratories received a \$68,000 award, Brown Engineering Co., \$38,000 and SPACO, \$19,170.

Of the more than \$10 million spent outside the Southeast, North Carolina companies were awarded \$3.2 million.

These awards do not include any contracts for a million dollars or more which go for production and procurement of Army missiles and associated equipment.

The service type contracts cover such items as office supplies, laboratory equipment, food, clothing, automotive repairs, building and road construction, modifications, and business machine rental.

These transactions are handled by the Missile Command's Procurement and Production Directorate and the Army Missile Support Command's Purchasing and Contracting Division.

Astronomers Meet Tonight

The Rocket City Astronomical Association will meet tonight at the Brown Engineering Company, Sparkman Drive at 8 p.m.

Dr. Alex G. Smith, Professor of Physics, Chairman of Astronomy and Assistant Dean of the Graduate School at the University of Florida is the guest speaker.

In addition to his above titles, Dr. Smith is also the director of the Radio Observatory on the cam-

pus. He is the author of 75 papers and books which include "Radio Exploration of the Planetary System, Radio Exploration of the Sun" and elements of Radio Astronomy.

The meeting is open to the public.

The U.S. Coast Guard has 17 82-foot patrol boats operating in Vietnamese waters.

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JAPANESE MISSILE MEN BREAK ARMY'S ACADEMIC RECORDS
—Lined up in a symbolic "V for Victory" formation during last Friday's graduation ceremony at the U. S. Army Missile & Munitions Center & School are 19 outstanding students from Japan who made grades of 96 or better in complex courses on the Hawk air defense missile system. Out front in the V is Sgt. Takeshi Ike-naga of the town of Kunoto on the island of Kyushu, who was high man with 97.9. In the middle of the V from left to right are Hon. L. Drew Redden of Birmingham, Civilian Aide to the Secretary of the Army for the State of Alabama; Maj. Gen. F. T. Unger, Chief of All Army schools and training centers from the Continental Army Command at Fort Monroe, Virginia, and Col. Erwin M. Graham, Jr., Commandant of the Center. Japanese students from left

to right are Sgt. Kazutoshi Tokumaru, Sgt. Yoshiaki Matsushita, Sgt. Kunio Shibayama, Sgt. Sakae Kobayashi, Sgt. Hideaki Hokao, Sgt. Yoshitake Fujiwara, Sgt. Yoshio Fuse, Sgt. Kazuyoshi Haya-shida, Sgt. Tsuyoshi Ito, Sgt. Takeshi Ikenega, Sgt. Kenya Hori, Sgt. Takamichi Horikawa, Sgt. Toru Watanabe, Sgt. Isao Sato, Sgt. Akinori Wakamatsu, Sgt. Noboru Moriyama, Sgt. Eisaku Mineta, Sgt. Hiroshi Taniguchi, and Sgt. Tsugio Inoue. With these 19 out-standing students, Japan has now academically outmatched stu-dents from all branches of the U. S. forces and 19 other foreign nations, numbering 39,000 students in all, who have competed for this high award. Only 200 of the AUSA plaques have been award-ed, and Japan's total now stands at 79—or better than one-third of all the high honors.

Bendix Receives \$1.2 Million For Pershing System

The Army Missile Command awarded a \$1.2 million contract to the Bendix Corporation for manufacture of platform stabilizers for the Pershing missile's guidance and control system.

Work will be performed at the company's Eclipse Pioneer Division Plant in Teterboro, N.J.

Pershing is the Army's longest range ballistic missile and is de-ployed with troops in Europe and the United States. Armed with a nuclear warhead, it can be fired on a course ranging from 100 to 400 nautical miles.

The weapon system is managed from the Army Missile Command. Col. Edwin I. Donley is Pershing Project Manager. The Missile Com-mand's Procurement and Production Directorate negotiated the contract.

Air Force Association To Hear About Vietnam

A talk on Vietnam will feature the January 28 dinner meeting of the Tennessee Valley Chapter of the Air Force Association.

Col. Oakley W. Baron (AF), a member of the faculty of the Air War College at Maxwell Air Force Base, Ala., and a veteran of Viet-nam, will be guest speaker at the Ladies Night affair. His subject will be "Vietnam, Its People, Country and Problems."

The meeting will start at 6:30 p.m. at the Redstone Officers Open Mess and will also serve for in-stallation of new officers.

Tickets will be available at the door or may be obtained by call-ing Harry Hepler, 876-2274.

Japanese Students Shatter Academic Record At School

Japanese students at the U.S. Army Missile & Munitions Center & School last Friday establish-ed a record of academic excel-lence that is unsurpassed by 39,000 men who have come here from the U.S. Army, Navy, Air Force, Marine Corps and 19 foreign na-tions during the past 14 years.

At a graduation ceremony at-tended by Hon. L. Drew Redden the Secretary of the Army for Ala-bama and Maj. Gen. F. T. Nunger of the U.S. Continental Army Com-mand who heads the Army's en-tire system of 35 schools and train-ing centers, no less than 19 Jap-aneese students qualified for the Army's highest academic award, a special plaque of the Association of the U.S. Army that is given only to students averaging 96 or better in their complex missile mainten-ance studies.

Only 200 such awards have been made here since the Missile Cen-ter & School opened in 1952.

Of these outstanding student awards, 79 or better than one-third have now been won by Japanese students who have taken courses on the Nike-Hercules and Hawk air defense missile systems with

which their defense forces are equipped. No other nation repre-sented here, including the U.S.A.,

has come anywhere close to such an achievement, Army officials said.

Col. Erwin M. Graham, Jr., com-mandant of the Missile & Mun-itions Center and School, presided over the graduation ceremony in the Redstone Arsenal Theater at which 156 students from Germany,

Japan and the U.S.A. received diplomas.

He termed the Japanese aca-demic achievement "a remark-able example of the determination of the Japanese people to stand in defense of freedom and a high compliment to the Japanese mili-tary training system."

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NEW COLONEL—A 1938 graduate of the Colorado School of Mines who took his career high above the mine pits to deal with missiles is now wearing the eagles of a full colonel at the Army Missile & Munitions Center & School at Redstone Arsenal. He is Col. William C. Rogers who heads the Office of Logistical Support at the Center. He entered the Army in 1938 through the ROTC program at Colorado School of Mines, and he came to his Redstone Arsenal assignment from duty in Greenland. His mother, Mrs. L. P. Rogers, lives at 6 Winfield Ave., Colorado Springs, Colo.

Griffith Presents Paper At Meeting

William A. Griffith of the Army Missile Command presented a paper on "Fluidic Systems and an Artillery Missile Program" last week at a meeting of the Aerospace Vehicle Flight Control System group of the Society of Automotive Engineers in New Orleans, La.

He is chief of the Control Systems Branch in the Army Inertial Guidance and Control Laboratory of the Missile Command's Research and Development Directorate.

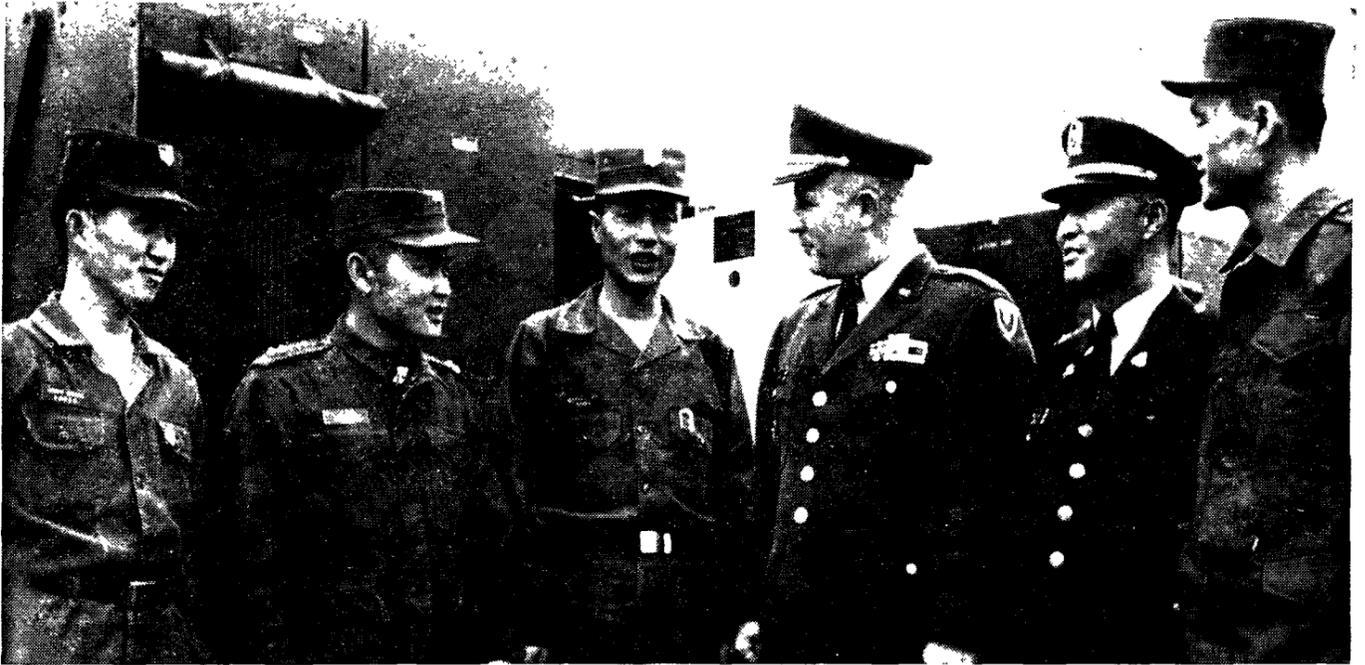
During the meeting he will comment on technical activities relating to control systems at the Missile Command, and will take an active part in subcommittee discussions of technical aspects of control systems.

Griffith is the Missile Command liaison member of this S. A. E. group which is composed of representatives from the Navy, Air Force, NASA, the Army, and all major prime contractors for missiles and aircraft. The meeting provides an interchange of information on the state-of-the art and on typical problems and their solutions used on other missile control systems.

Movie Schedule

WEDNESDAY, JAN. 26
"McHale's Navy Joins the Air Force" (F)
THURSDAY-FRIDAY, JAN. 27-28
"The Money Trap" (M)
SATURDAY, JAN. 29
"Billie" (F)
SUNDAY-MONDAY, JAN. 30-31
"The 2nd Best Secret Agent In the Whole Wide World" (M)
TUESDAY, FEB. 1
"The Americanization of Emily" (M)
Two shows nightly at 6:00 and 8:30 p.m.
Saturday matinee at 1:00 p.m.
Sunday matinee at 2:00 p.m.

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SPECIAL ORIENTATION AT MISSILE & MUNITIONS CENTER—Brig. Gen. Clarence C. Harvey, deputy commanding general for air defense systems at the Army Missile Command visits with four Korean Army students during a special orientation tour of the U.S. Army Missile and Munitions Center and School. Gen. Harvey, accompanied by several members of his staff, toured the Center to familiarize themselves with new missile training techniques developed at the Center. Left to right are Staff Sgt. Hwang, Lt. Kim, Master Sgt. Lee, Gen. Harvey, Maj. Ho, Senior Korean Liaison Officer, and Capt. Hwang.

companied by several members of his staff, toured the Center to familiarize themselves with new missile training techniques developed at the Center. Left to right are Staff Sgt. Hwang, Lt. Kim, Master Sgt. Lee, Gen. Harvey, Maj. Ho, Senior Korean Liaison Officer, and Capt. Hwang.

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LEAVES TURN SILVER—Maj. R. H. Vereen, Operations Officer in the Office of the Assistant for Operations and Security of the Army Missile Support Command, is the center of attention as he is promoted to Lieutenant Colonel. Pinning on the silver leaves are Maj. Gen. John G. Zierdt, Commanding General, Army Missile Command, and Mrs. Vereen.

Chicago Opera Ballet To Perform January 31

Ruth Page's Chicago Opera Ballet will perform in Huntsville on Monday, Jan. 31, at 8:15 p.m. in Huntsville High School auditorium. This will be the second presentation of a series of three under the sponsorship of Community Ballet Association of Huntsville,

Inc., a non-profit educational and cultural organization, and a member of The Arts Council of Huntsville.

"The Merry Widow" and "Camille", all-time favorites, highlight the opera company's repertory. "The Merry Widow" sets

the characters of Lehar's immortal operetta spinning on their toes to the lilt of its beloved melodies. "Camille" uses the beautiful music of Verdi's "La Traviata" to tell the love story of Marguirite Guetier.

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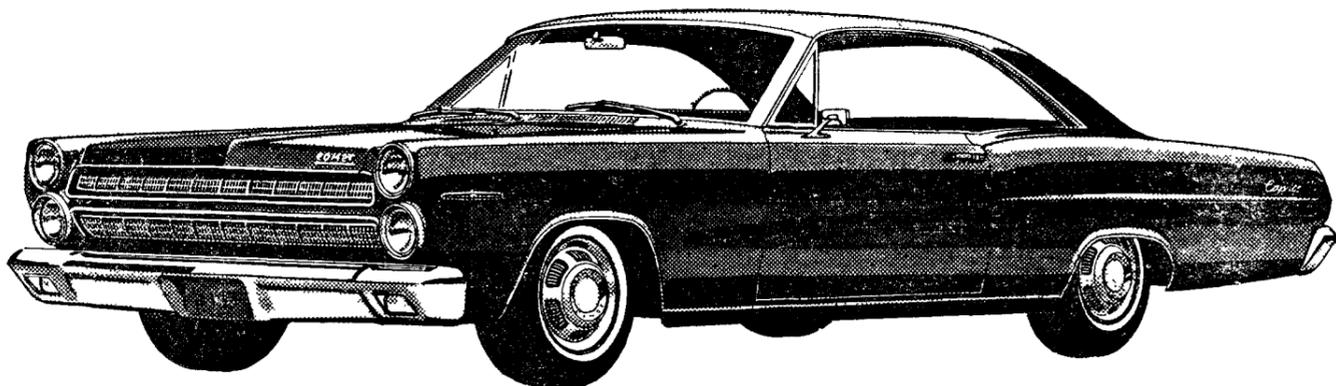
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Mock Viet Cong Village To Be Built On Arsenal

The Viet Cong may soon be ambushing American troops in the hills of North Alabama. The VC will be "mock" aggressors however, and only a vivid part of a new training program initiated at the U. S. Army Missile and Munitions Center & School for military personnel heading for duty in Viet Nam.

The guerrilla activity will center around a life-size model of a Viet Cong village to be built on Redstone Arsenal. The village will contain various types of tunnels, huts, shelters and living facilities found in a real Viet Namese community, according to Lt. Col. Robert C. Long, Commander of the MMSC School Troop Command.

Until the village is completed, a modified schedule of training is being given Viet Nam-bound soldiers of MMCS, he says. This version of the instruction will consist of eight hours of lectures and demonstrations, covering terrain, climate, jungle survival, perimeter defense, sanitation and ambush techniques.

This modified version was begun on Jan. 15 when about 100 men were briefed on these new techniques of warfare. It is anticipated by Capt. Arthur E. Kreger, in charge of the training program, that from 50 to 100 students and military faculty of MMCS will receive the instruction each week.

With the completion of the VC village in mid-April, these classroom instructions will be followed by an overnight bivouac and a full day of practical exercises. These will take the troops into the

village itself where they will practice their new skills. In addition to the tunnels, huts and shelters, booby traps, mines, bamboo spikes and other war devices unique with the Viet Cong will give

Capt. Kreger says the orientation is now required by the Department of the Army and the Continental Army Command for all personnel who anticipate assignment to the Republic of Viet Nam. However, he adds that MMCS policy to date has included all students soon to graduate from the Redstone facility and all other military personnel leaving regardless of their new assignments.

Drive Safely



COMMISSIONER HEARS ABOUT LASER—Lawrence J. O'Connor, a member of the Federal Power Commission, was given a briefing on the research being accomplished at the Missile Command on the laser beam during his visit to Redstone recently. James Dearman (right) conducted the laser briefing assisted by John McDaniel, Technical Director for the Research and Development Directorate. Commissioner O'Connor was accompanied to Redstone by E. E. Cobb, manager of Huntsville Utilities, and Karl A. Woltersdorf, a former manager of the same organization. He was here to speak to a meeting of the National Association of Accountants.

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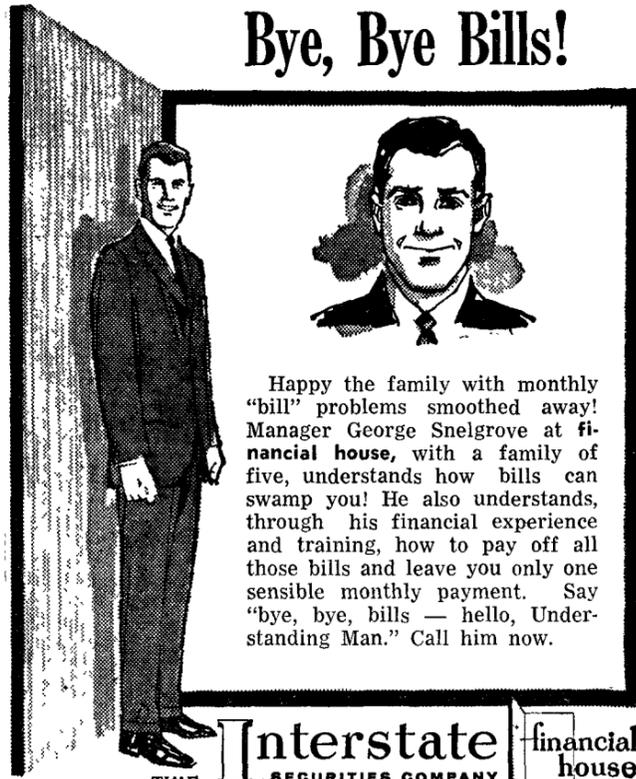
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Page 14 The Redstone Rocket — January 26, 1966

1. For Rent

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2. Cars For Sale

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3. Miscellaneous

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EQUITY SALE--7 room house on 13 acres, 6 miles N.E. of Arab, 6 miles West of Guntersville, good condition, city water, electric heat, natural gas, on paved road. Ph. John Moore, Union Grove, 753-2583 1tc

EQUITY SALE--Vacant, 3908 Ellen N.W. 3 bedroom brick, 1 1/2 baths, central heat and air condition, corner lot, lots of shade, equity \$1,000. Move in. No waiting, no red tape, no credit references. Just move in. For more information call 539-8449 or nights 539-6073 1tp

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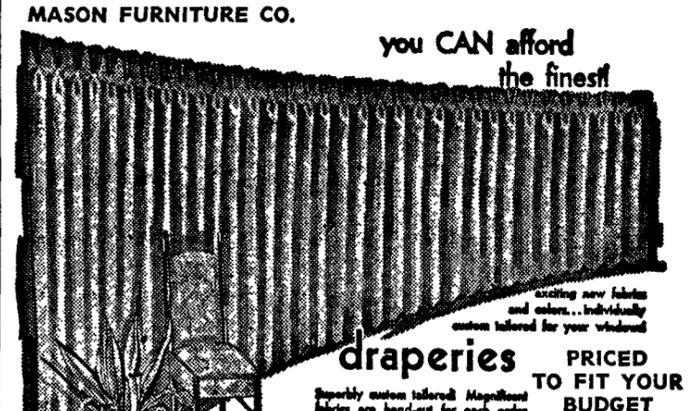
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● Television viewers around the country will soon be seeing the rich and dramatic story of the Army Nurse Corps on a "Big Picture" documentary narrated by Shirl Conway, star of TV's "The Nurses." Occasioned by the Nurse Corps' 65th Anniversary, the program traces the history of Army Nursing from the earliest days down to the present. (ANF)

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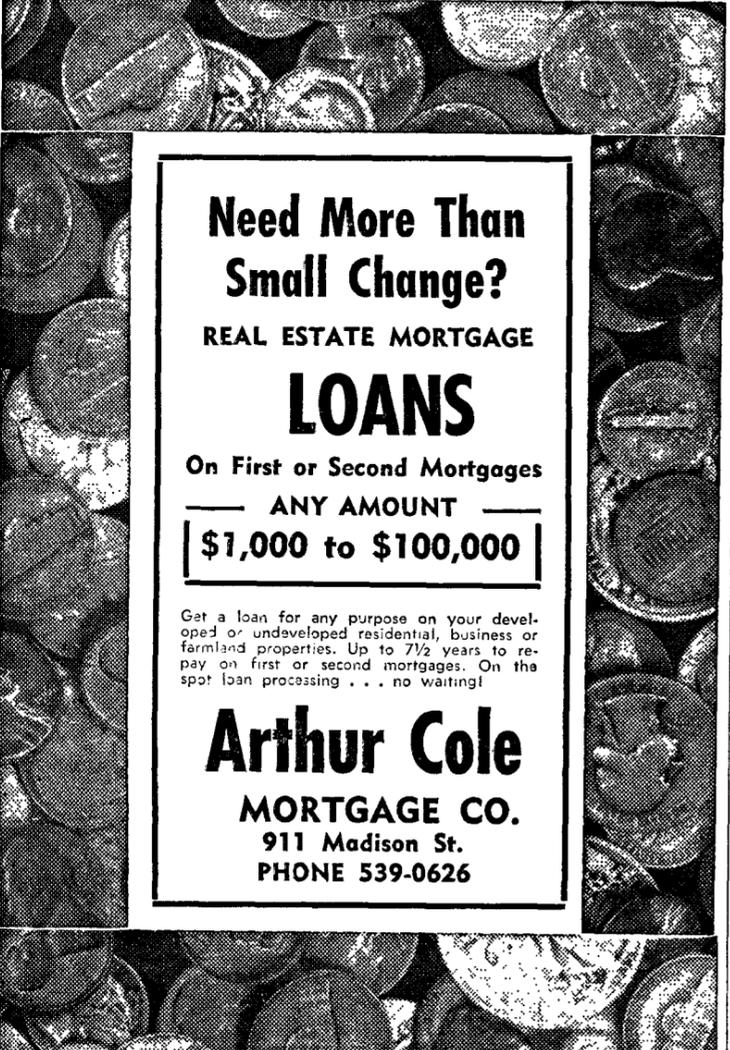
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Public Administration Group Receives Charter

Col. David A. Marcelle, Comptroller of the Army Missile Command, Thursday was officially installed as secretary-treasurer of the newly chartered Northern Alabama Chapter of the American Society for Public Administration.

Other officers installed were Clyde Reeves, president; Judge Thomas D. McDonald, vice-president.

Breene M. Kerr, Assistant Administrator for Technology Utilization, NASA Headquarters, presented the charter during a ceremony held at the Redstone Officers Open Mess.

The general purposes of a professional or learned society, Kerr told the charter, are to bring together like-minded persons and foster development of activities in a given area, encourage work of significant nature and furnish a forum for scholarly work.

He stated, "ASPA is the only organization of its kind in the United States aiming broadly at the improvement of administration of the public service at all levels of government — Federal, state and local—and in all functional and program fields."

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Children: 2 O'Clock Show Mon. thru Fri.\$0.50
Children—All Other Times\$1.00
Adult Smoking Logo 25c Additional All Times.



TWO AWARDS FOR R&D—During the last quarter of 1965, the Army Missile Command's Research and Development Directorate received two awards. Maj. Gen. John G. Zierdt, Commanding General, Missile Command (left), who made the presentations last week, holds the award for leadership in the suggestion program. Lt. Col. R. M. Pearce, Director of the Research and Development Directorate, holds the Red Cross award for best unit participation in the blood program.

local chapter Reeves stated that this is one of the really significant communities and areas in the United States as regards public management and public administration problems; and the ASPA chapter here should be as viable as any professional group in the community.

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Carmen, Cinderella To Be Presented In Birmingham

Two operas, "Carmen" and "Cinderella," will be presented by the National Opera Co., of Washington, D.C. Jan. 28 and 29 at the Municipal Auditorium in Birmingham.

"Carmen" will be on Friday, Jan. 28, and "Cinderella" on Saturday, Jan. 29. Tickets are on sale at the Alabama Opera Association, 1914 Fourth Ave., North, Birmingham.

The National Opera Co. is sponsored by the Metropolitan Opera Co. and the singers are young people whom the Metropolitan hopes to take in someday.

Ticket prices are \$1.50, \$2.50, \$3.00, \$4.00, \$5.50 and \$7.50.

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Wives Group Grows As More Join For Mutual Benefit

The list of wives of men in military services who are residing in the Huntsville area while their husbands are overseas and the widows of retired military personnel in the area continues to grow, according to a report from the Army Missile Support Command Adjutant's Office at Redstone Arsenal.

The number has grown from about 60 names in the Fall to 115 at the present time. Many of the names have been added since Dec. 1.

It was proposed last Summer that an informal organization be formed so that this group might meet to share mutual interests and problems. Several meetings have been held.

Those who phone their name, phone number, address and husband's rank and status to Mrs. Walter D. Harley, secretary in the Adjutant's Office, 876-3816, receive weekly mailings of information about Army activities at Redstone. Schedules of religious services, medical facilities and other pertinent post news are included in the mailings.

Those interested in joining the group should call Mrs. Harley.

Births At Post Hospital

Joel David Gallagher, Jan. 13, son of 1/Lt. and Mrs. Max Gallagher, Redstone Arsenal.

Infant Male Cornelious, Jan. 19, son of SSgt. and Mrs. Curley L. Cornelious, Redstone Arsenal.

Jerry Kendall Lee, Jan. 17, son of PFC and Mrs. Jerry Wayne Lee, Huntsville.

Wayne Morse Hittinger, Jan. 10, son of Sp5 and Mrs. Robert M. Hittinger, Huntsville.

Terry Paul Dill, Jan. 6, son of Sp5 and Mrs. Harold F. Dill, Huntsville.

Daniela Louise Solomon, Jan. 11, daughter of Capt. and Mrs. Ted A. Solomon, Redstone Arsenal.

Lori Renee' Billions, Jan. 15, daughter of Pvt. and Mrs. Jerry K. Billions, Huntsville.

Frances Clare Roy, Jan. 16, daughter of Maj. and Mrs. Edward E. Roy, Redstone Arsenal.

Terri Lynn Burke, Jan. 17, daughter of Sp5 and Mrs. Michael Burke, Huntsville.

Robert Andrew Newcomb, Jan. 14, son of 1/Lt. and Mrs. Malcolm R. Newcomb, Redstone Arsenal.

Claude W. Brian Cason, Jan. 18, son of Retired Lt. Col. and Mrs. Claude E. Cason, Huntsville.

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FT. BELVOIR VISITOR—Dr. George W. Howard (center), Technical Director of the Army Engineering Research and Development Laboratories at Ft. Belvoir, Va., visited the Army Missile Command last week while in Huntsville on a speaking engagement. Here,

John L. McDaniel, Technical Director, Research and Development Directorate, shows Dr. Howard an experimental rocket. Looking on is Lt. Col. R. M. Pearce, Director, Research and Development Directorate.

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