

Arsenal-Wide

Spot News

Dial 112

The Redstone Rocket

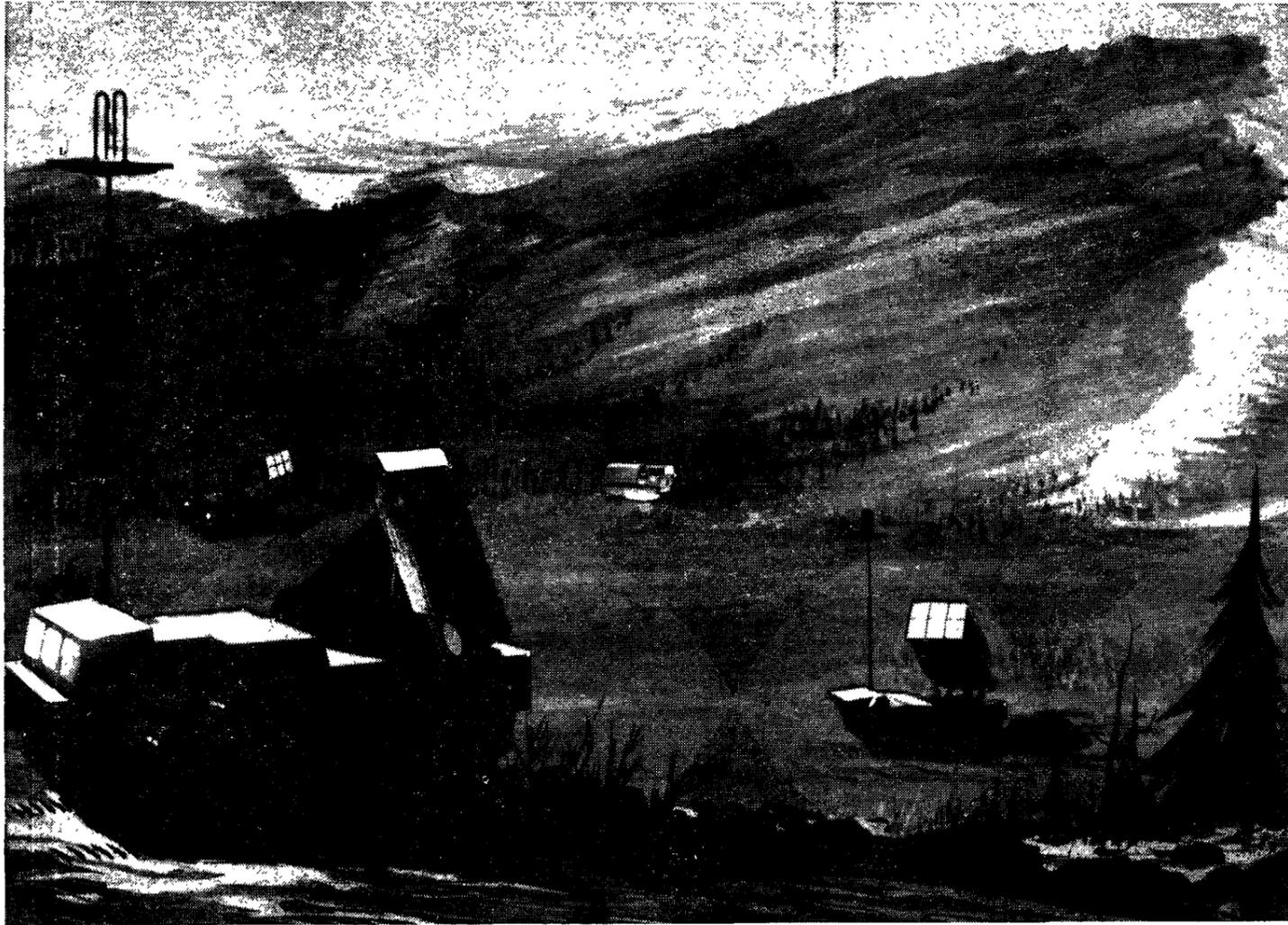
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VOL. XVI; NO. 23

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA 35809

OCTOBER 18, 1967

ARMY UNVEILS SAM-D



SAM-D WEAPON SYSTEM—This is an artist's concept of the Army's new air defense system known as SAM-D (Surface-to-Air-Missile—Development). Highly mobile and capable of being mounted on tracked or wheeled vehicles, SAM-D will be able to simultaneously acquire, identify, track and destroy multiple air-

supported targets. Raytheon Company is prime contractor for system development. The program is managed by the U. S. Army Missile Command, Redstone Arsenal, Ala., under Col. Edward M. Dooley, Project Manager.

System Is In Advanced Development

The U. S. Army has released artist's drawings of the new air defense missile system called SAM-D (Surface-to-Air-Missile-Development). They show for the first time how the highly-mobile, all-weather system might look.

Aided by high-speed digital com-

(See Pictures on Page 3)

puters, SAM-D will be able to simultaneously acquire, identify, track, and destroy multiple air-supported targets.

It is now in advanced development for the purpose of advancing U. S. Technology in this area. The SAM-D program is managed by the U. S. Army Missile Command at Redstone Arsenal, Ala., under Col. Edward M. Dooley, Project Manager. Charles Cockrell, an Army Civilian, is his deputy. Raytheon Company is prime contractor. Working with Raytheon as a major subcontractor is Martin Marietta Corporation's Orlando, Florida, Division. Thiokol Chemical Corporation is the propulsion subcontractor to Martin.

Although a complete SAM-D battery—including radars, launchers, communications and fire-control equipment—will require approximately 12 vehicles, the Army said as few as three vehicles would be completely autonomous and capable of operating in a battlefield environment.

All of the system elements will be mounted on either tracked or wheeled vehicles to provide maximum ground mobility. The entire weapon system may also be transported in current aircraft, on seagoing vessels or by rail.

In the field, the SAM-D multi-function phased array radar will perform all the functions requiring several radars in other systems. It will detect targets, identify them, track them, and track and

Sprint Sprints Downrange In Successful Test Flight

WHITE SANDS MISSILE RANGE, N. M. — The Sprint, one of two interceptor missiles in the Chinese Communist-oriented antiballistic missile system, has successfully undergone a flight test.

The test was designed to subject the missile to sharp maneuvers and high thermal effects. The maneuvers were the most strenuous imposed on the missile to date.

Development and testing of the Sprint is managed by the Army's Nike-X Project Office at Redstone Arsenal, Ala.

Project officials said that during the flight the missile was given commands which caused it to maneuver sharply. The maneuvers also resulted in high thermal

effects on the missile's exterior through air friction heating.

One purpose of the flight was to demonstrate the ability of the Sprint to execute these maneuvers successfully and withstand the high temperatures involved. The 27 foot long missile performed according to plan.

A very high acceleration missile, the Sprint is designed as a short range interceptor to engage attacking intercontinental ballistic missiles and other long range missiles after they have re-entered the earth's atmosphere.

The Sprint is propelled by two solid propellant rocket engines and is guided during flight by radars on the ground.

(See SPRINT on Page 3)

Chaparral Awards \$1.8 Million Contract

The U. S. Army has announced the award of \$1.8 million for production of components for the Chaparral guided missile system. The letter contract went to the Aeronutronic Division of Philco-Ford Corp. for work to be performed at their Anaheim, Calif. plant.

The Chaparral is in the initial production phase. The system utilizes a modified Sidewinder IC missile in a multiple mount, moun-

ted on a highly mobile XM-730, self-propelled tracked vehicle.

The system is being developed to meet an Army requirement for a forward area air defense system, and has been selected to arm new air defense battalions.

The Army Missile Command's Chaparral Management Office, headed by LTC Donald Steenburn, directs development of the system. The Vulcan/Chaparral Project (See CHAPARRAL on Page 2)

CFC Tally Still Climbs; Represents 91 Per Cent

Cash donations and payroll deduction authorizations received last week brought the 1968 Combined Federal Campaign contributions to a total of \$391,036.

This is \$34,043 more than when the records were tallied last week.

This amount, received from personnel of all participating Federal agencies, is about \$45,000 short of what campaign officials hope will wind up this year's campaign.

Bob Malone, area CFC chairman, said that Maj. Gen. Charles W. Eifler, general chairman for the 1968 campaign, was well pleased

with results thus far and that all indications pointed toward another outstanding success for Federal employees.

Al LaGrone, Army agency chairman, said Army agencies had turned in contributions or payroll authorizations totalling \$269,372 at the conclusion of the fourth week, representing 91 per cent participation in the campaign.

He added that during the same four-weeks period last year donations totalled \$258,849, representing 89 per cent participation.

(See CFC on Page 3)



CONARC COMMANDER AND WIFE VISIT—Gen. James K. Woolnough (second from left), commanding general of the Continental Army Command, greets Col. Paul B. Schuppener, commandant of the Army Missile and Munitions Center and School here Monday. In right foreground, Mrs. Woolnough is welcomed by Sgt. Maj. R. A. Weaver, senior NCO at MMCS. Others from left are Maj. Gen. Charles W. Eifler, commanding general of the Army Missile Command; Brig. Gen. Clarence C. Harvey, deputy commanding general of MICOM; Col. James N. Jean, director of Arsenal Support Operations; and Col. John R. Henderson, MMCS assistant commandant.

The Redstone Rocket

The Redstone Rocket is published weekly, on Wednesdays. The publisher will receive editorial content for publication in the Rocket only through the Information Office, Army Missile Command, Redstone Arsenal, Ala., 35809 Bldg. 5250, Room A-136, Extension 876-1400 or 876-1500.

All advertising copy and payments therefor are received by Mrs. Vergie Robinson, P. O. Box 346, Huntsville, Ala., 35804, telephone 534-4701, as representative of the publisher. Advertising deadline—both display and wanted—is noon of Friday before publication.

The Redstone Rocket is distributed free of cost to personnel at Redstone Arsenal. Mailing rates off post for the Rocket are \$6.36 a year, or \$3.50 for six months, tax included. Mailing arrangements may be made with the publisher, P. O. Box 520, Hartselle, Ala. 35640.

Rocket Ruminations

Sorrows
Are like tame sheep.
If one leaps through the fence
Into your garden, all the flock
Will come. —L. Dale Ahern

Avoid The Obstacles

The importance of adequate life insurance coverage cannot be emphasized too strongly. It not only provides financial security for our families in the event something happens to us, but serves as a savings program, an investment and a foundation for financial growth.

It is particularly important to the servicemen and women assigned to the Republic of Vietnam.

Due to the increase in military personnel assigned to combat zones, a number of commercial insurance companies have included restrictive war clauses or exclusion riders in their policies. Many of these policies are purchased by personnel already ordered to a combat zone who do not realize that the policies limit the protection to their beneficiaries.

Premium payments can create additional obstacles. Normally, an insurance contract is not valid until the insurance company has received the first premium payment. In cases where payment is to be made by government allotment, the first payment may not be received for as long as two months, during which time the insurance is not in force.

Delays in the allotment system can further postpone the effective date of insurance coverage.

To be sure that your family will receive the insurance benefits follow a few simple rules when you purchase commercial life insurance:

Read the contract thoroughly and make sure you understand all of it. (Your legal office can explain it for you and advise you accordingly.)

Pay AT LEAST two months' premium in cash with the application and indicate that the insurance coverage is to become effective immediately.

If you are making premium payments by allotment, make sure it is correctly registered and that the insurance company is, in fact, receiving payment.

Your life insurance program is essential for your family's future well-being. Be sure your insurance is in order and that, in the event of your death, your family is not subjected to unnecessary hardships or delay because you didn't plan effectively and follow through. (AFPS)

ZERO DEFECTS CORNER

ZID it's up to you!

Abron Hyter, a truck driver for the Consolidated Supply Division of the Arsenal Support Operations Directorate, has been cited as the Missile Command's Zero Defects Employee-of-the-Month for October.

He was recognized for his outstanding safety record extending over a period of 17 years during which he has driven a truck on the average of 40 miles per day for the Furniture Moving Unit.

Hyter has never been involved in an accident of any kind, nor has he ever been cited for a traffic violation while accumulating over 150,000 miles driving on Arsenal roads.

The monthly award winner has been employed as a truck driver on the Arsenal for a period of 20 years and during the same time has accumulated over 2200 hours of sick leave. He has been recognized for his performance on two different occasions with an Outstanding Performance Award.

Hyter, according to his supervisor, Thomas Laborde, has been keenly interested in the Zero Defects Program from its inception. He is a firm believer in doing the job right the first time and has always exhibited an outstanding attitude in his daily work assignment.

A resident of Madison, Hyter and his wife are



WITHOUT ERROR . . . ABRON HYTER

active in church affairs and he is presently serving as an Elder in the Presbyterian Church.

SHORT COURSE SCHEDULED IN VACUUM TECHNOLOGY

The University of Alabama in Huntsville will present a short course, "Vacuum Technology", Jan. 22-26, 1968.

This course is a unified treatment of the many scientific and engineering disciplines underlying the principles of vacuum production, measurement, and system design and operation. It is designed to place vacuum technology on a rational basis for the engineer.

The course is designed for engineers in the aerospace industry or research laboratory with responsibility for designing or generating specifications for the design and construction of a vacuum system, of operating a vacuum system and monitoring its performance. It is especially directed to the engineer involved in space environment simulation engineering.

Prerequisites for this course are a Bachelor's degree in engineering, physical science, or the equivalent.

Enrollment may be made by individuals or companies. Since the number of participants is limited, registration should be made early. For further information, contact the Conference Activities Department; University of Alabama, Huntsville Campus; P. O. Box 1247; Huntsville, Alabama.

Armed Forces Day is an appropriate time to remember the contribution of the Army and other services in proving military civic action assistance in 33 developing countries, mainly in Southeast Asia and Latin America.

Be a shareholder in Freedom!

CHAPARRAL

(Continued From Page 1)

Manager for the Army Materiel Command is Col. R. C. Daly stationed in Washington, D. C.

The contract was negotiated by the Missile Command Procurement and Production Directorate. Col. S. C. Holmes is the P&P Director.

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SPRINT

(Continued From Page 1)

It uses a unique launching system. Instead of flying out of its below ground launch cell under its own power, the missile is ejected from its cell by a gas charge and its first stage motor is not ignited until the Sprint is in the air.

An innovation of the test was the launching of the missile from a newly modified cell. The new cell traps gases from the cell eject system until the missile is in the air.

These gases are produced by a gas generator which provides the power to eject the missile. The redesigned cell is expected to reduce buffeting of the missile in the cell by exhaust gases.

A second interceptor being developed for the system is the long range Spartan. The Spartan will be capable of engaging attacking missiles outside the earth's atmosphere.

The Sprint is being developed by the Martin-Marietta Corp., Orlando, Florida, Division, under sub-contract to the Western Electric Company. It has been undergoing flight test for more than a year.

Western Electric is prime contractor for the ABM system and its associate company, Bell Telephone Laboratories, is responsible for system design and development.

CFC

(Continued From Page 1)

While participation and contributions and pledges are running slightly ahead of last year, officials plan to run the campaign at full steam through this week.

CFC SCOREBOARD

	Cash	Payroll	Total	Part. %
Office of CG—Geo. O'Reilly	\$ 257.70	\$ 85.80	\$ 343.50	100
Hqs Staff Ofcs—Geo. O'Reilly	1,719.20	3,909.30	5,628.50	89
ADCCSO—Howard Shaeff	745.60	693.20	1,438.80	100
C&DP—Abner McNaron	893.50	1,575.60	2,469.10	100
Proc & Prod—James Fowler	10,654.55	22,637.41	33,292.41	99
Qual & Rel—Aaron Brackeen	291.60	1,205.10	1,496.70	92
Res & Dvmt—Wm. Lindberg	11,077.51	27,512.02	38,589.53	95
DASA—J. C. McKinney	13,249.15	33,481.10	46,730.25	85
Sup & Maint—Joseph Coffman	10,614.52	27,759.20	38,373.72	93
Air Defense—Fred Sayers	3,497.35	7,439.80	10,937.15	94
Land Combat—Bob Malone	3,918.45	8,145.00	12,063.45	95
Msl Encll—Thomas Anderson	478.30	2,427.80	2,906.10	99
Metrology Ctrs—David Rice	1,575.50	3,855.40	5,430.90	96
Nike-X—Paul Phillips	3,681.70	7,338.60	11,020.30	100
AMMCS—LTC Russell Teal	7,499.07	17,880.84	25,379.91	92
Thiokol Corp.—J. B. Galloway		25,076.78	25,076.78	89
Rohm & Haas—Robert Shanks	1,666.00	6,529.70	8,195.70	74
Total Army Activities	\$ 71,819.70	\$197,553.10	\$269,372.80	91
Marshall Space Flight Ctr.	35,459.74	86,204.33	121,664.07	76
Grand Total (Oct. 13)	\$107,279.44	\$283,757.43	\$391,036.87	87

SAM-D

(Continued From Page 1)

issue guidance commands to the missile in flight.

The SAM-D missile can carry either a nuclear or conventional warhead and the warhead section can be interchanged in the field.

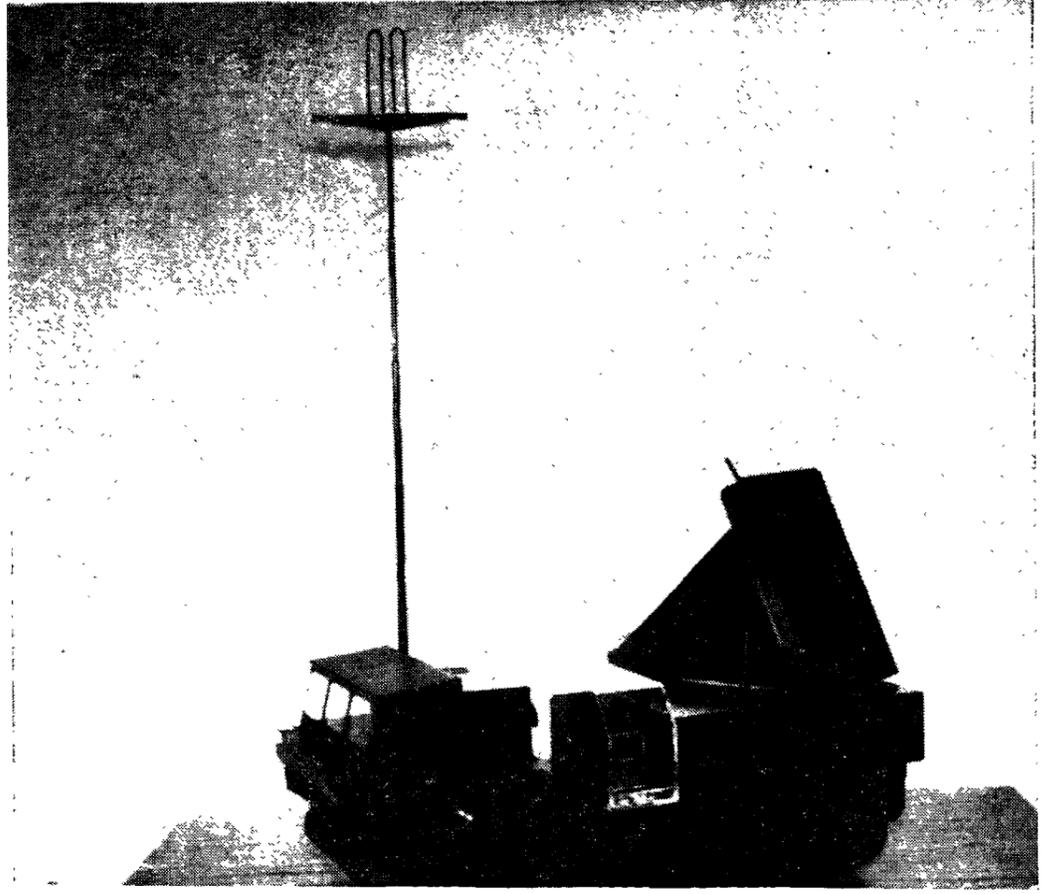
A battery control center will coordinate firing within the battery and serve as a communications center. It houses a computer for handling high data rates, processes and coordinates information between radar and launchers and passes on fire-control information.

The Army said special features are being incorporated into SAM-D early in the design phase to enhance and prolong operational capabilities. These include a built-in self test and fault-isolation capability, use of reliable solid state devices, the "wooden round" missile requiring no on-site maintenance, and back up maintenance and supply facilities to perform repairs as close to the origin of failure as possible. In addition, the operators of SAM-D are trained to use the fault isolation equipment and replace certain faulty components without calling for maintenance assistance.

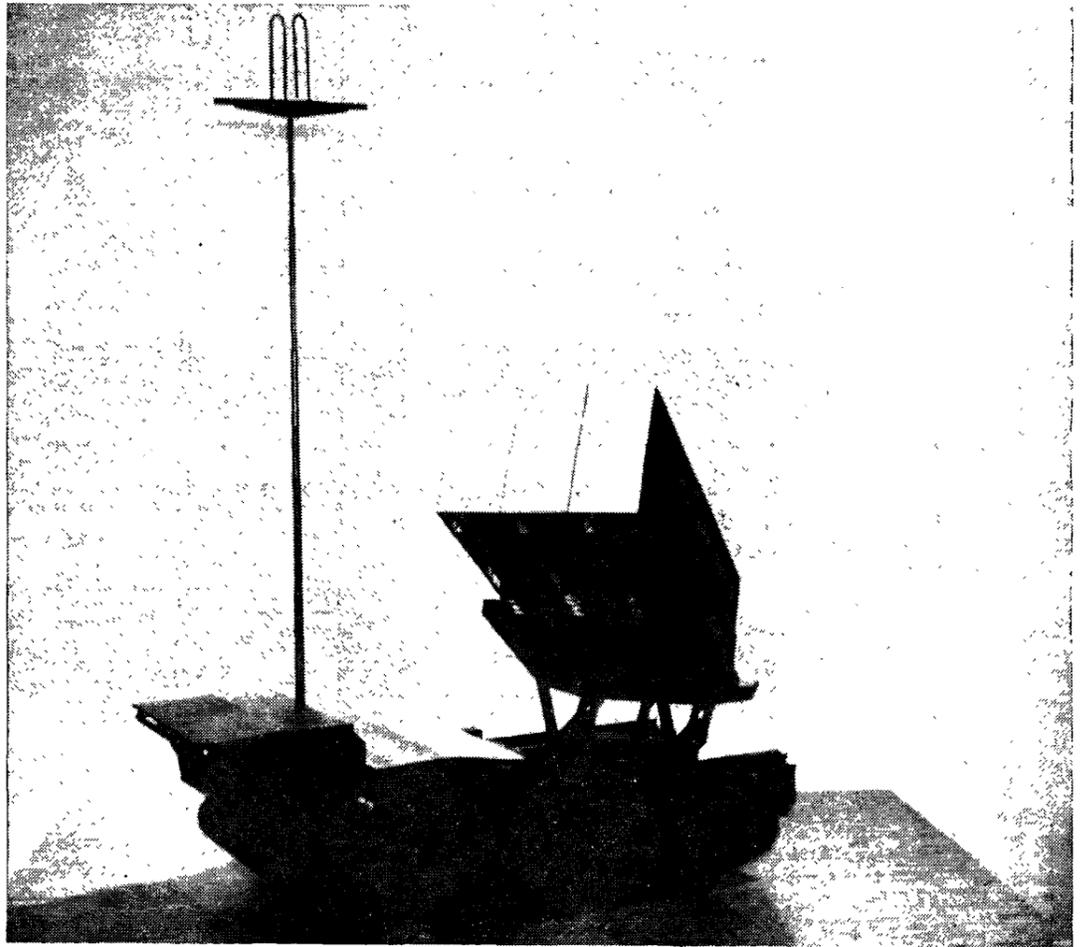
SAVE To Meet

The local chapter of the Society of American Value Engineers will meet at 7:30 p.m. tomorrow night at the Apollo Support Division of General Electric on South Memorial Parkway.

E. M. Ewing, manager of Special Project Engineering has made arrangements for a tour of the facilities and for a presentation on Value Engineering: Apollo Support Program.



FIRE CONTROL GROUP—This group contains radar, communications equipment, prime power and a radar weapons-control computer. In fact, it contains all functions necessary for target acquisition, identification, tracking, missile track and missile guidance.



SAM-D LAUNCHER GROUP—This group contains "ready" missiles in cannisters used for shipping and launching. The launcher itself is "trainable" in both azimuth and elevation. Missiles may be fired singly or in close-sequence salvo. The group contains prime power for launch control and communications equipment necessary for immediate exchange of information with the fire control group.

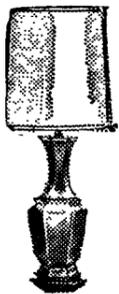
METEOROLOGISTS TO MEET

George H. Fichtl of the Marshall Space Flight Center will talk to the American Meteorological Society at 7:30 p.m. tomorrow

night at the Lockheed Missile and Space Company's large conference room. The company is located in Research Park.

Fichtl's talk will be "A Survey

of the Development of the Low Level Mind Profile Laws." The public and prospective members are invited.



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Gen. Eifler Addresses Officers Wives Club

Maj Gen. Charles W. Eifler asked officers wives last week to continue to do all they can to make sure that Redstone Arsenal remains an "environment which breeds quality."

In his talk Tuesday to the Redstone Arsenal Officers Wives Club, the Commanding General emphasized that quality of performance is the Missile Command's most important product. "It is essential," General Eifler said, "that our personnel work in an environment which breeds quality."

He cited a happy home life and a good Arsenal community spirit as essential ingredients in the environment he wants maintained.

Theme for the meeting, the wives first Fall event, was a festival of states, with American and state flags centering the lunch tables and posters from the various states hanging from the ceiling. Other special guests were Col. Paul Schuppener, newly assigned Commandant of the U. S. Army Missile and Munitions Center and School and Chaplain (Capt.) James D. Bayne. Hostesses were wives of officers stationed at AMMCS under the leadership of Mrs. Schuppener and Mrs. John Henderson.

General Eifler praised wives participation in volunteer service activities. "Without the volunteer help of groups such as yours," he told the 200 wives, "there would be very little community life at Redstone Arsenal. Willing and cheerful participation is the keynote of the success of this community."

He cited numerous activities supported by the wives as "contributions which make the Arsenal a better place to live."

The Commanding General offered a novel suggestion to the group.

"I need your help to continue to improve this Arsenal community in which we live," he said. "I welcome ideas. I ask you to observe and think about feasible solutions when you find things that you believe should be changed and submit them to me in the interest of making Redstone Arsenal a better place to live."

"I assure you that these suggestions will be accepted in the same manner of interest and help. We will most certainly resolve any critical problems quickly and work to make the Arsenal a better place to work and live within the funds and authority available to me."

NCO Wives Honor Officers Wives At Sunday Tea

Members of the Redstone Non-Commissioned Officers Wives Club entertained the officers of the Redstone Officers Wives Club at a tea Sunday afternoon in the NCO Open Mess.

A pink and white color theme was carried out in the decorations with pink and white carnations in the tea table centerpiece and pink roses at the top of the fountain punchbowl. Corsages of pink and white carnations were presented to the guests. Club officers assisted in serving at the tea, and guests were given a tour of the new NCO Open Mess.

During a business meeting last week, Mrs. Joe Cormier, Mrs. Vincent Alba and Mrs. Warren Hamer were elected members of the NCO Wives Club executive board.

THURSDAY BRIDGE

Mrs. S. C. Brown, Mrs. Oswald Lange, and Mrs. James Lowe were first, second, and third in the bridge competition sponsored Thursday at the Officers Open Mess by the Redstone Arsenal Officers Wives Club.

Among the six tables in play Mrs. James E. Gibb was low. Reservations to play with the group are handled by Mrs. Robert Allgeier.

BRIDGE WINNERS

Nine tables of players competed at bridge at the Redstone Officers Open Mess last week with CWO G. Krembs winning for the men and Mrs. A. Saholsky winning for the women.

Runnersup in the weekly competition were E. W. Compton and Mrs. N. L. Thompson.

For reservations to play call 837-1525.

Drive Defensively!

Technical Artists To Exhibit

A cross section of work performed by Army Missile Command artists will be included in the exhibit of technical art scheduled Saturday at Dunnivant's Mall. The exhibit is sponsored by the Huntsville Chapter of the Association of Technical Artists.

Artists and illustrators will exhibit original paintings, prints, sculpture, ceramics and other art objects for sale in addition to samples of the wide range of areas the profession covers.

The exhibit is intended to give the professional artist and illustrator a chance to share his talents and interests with the general public as well as to demonstrate the broad range of the technical art profession.

Exhibitors will not be limited to ATA members but will be limited to the profession. For additional information, contact Mary Jane Hearn at 876-0606 or write ATA Trade Exhibit, P. O. Box 406.

Entertainment For Harvest Ball Ready

Frankie Schenk and his band will play for the Harvest Ball Oct. 28. It is sponsored by the Redstone Arsenal Officers Wives Club annually as their major charity fund raising event.

The Pink Pebblestone Players, according to the Entertainment chairman, Mrs. William S. LaHatte, are ready to present the production on the newly built stage in the Main Ballroom of the Officers Open Mess.

Honorary chairman for the event is Mrs. Clarence C. Harvey, Jr. This is the second year she has headed the Harvest Ball Committee. The Ball is being presented for the fifth time.

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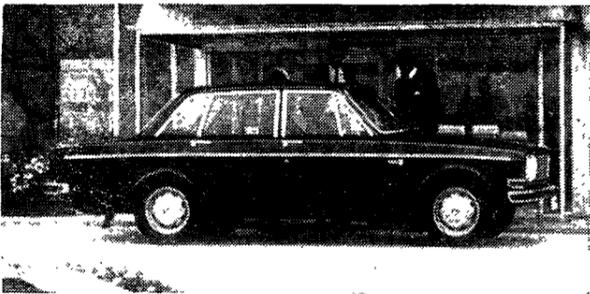
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AFRICAN OFFICIALS VISIT REDSTONE ARSENAL—Maj. Gen. Charles W. Eifler, Commanding General of the Army Missile Command, chats with officials of two African nations who stopped at Redstone Arsenal last week. The officials are in this country as participants in the International Visitors Program of the State Department's Bureau of Educational and Cultural Affairs. While at Redstone they were briefed on the Missile Command mission and later toured the Army Metrology and Calibration Center. Pictured above with Gen. Eifler, the visitors are, left to right, Benjamin C. Thema, a member of Parliament and Minister of Health, Education and Labor for Botswana, Saki Scheck and Modesto Kwasi Apaloo, both members of the Political Committee of the National Liberation Council of Ghana.

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**Target Missilemen
Participated In
Tech Co-op Program**

Two members of the Target Missiles Branch of the Army Missile Command recently made presentations to the 10th meeting of the Technical Cooperation Program

Drone Working Panel at Eglin Air Force Base, Fla.

Jere Ducote and Warren Sockwell presented papers covering recent target missile developments. Ducote, chief of the Target Missile Branch, is a member of the panel headed by R. T. Russel, Department of Defense Research and Engineering, who is the U.S. national leader. Sockwell is a pro-

ject engineer in the Target Missile Branch.

The five day meeting was attended by scientists and military personnel representing the three U. S. Military Services, Canada, Australia and the United Kingdom.

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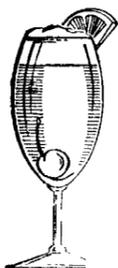
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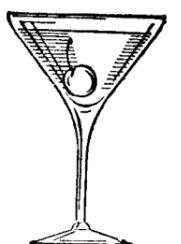


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Deppensmith Wins Medaris Tournament Trophy

Marian Deppensmith won the cup in the Ginna Medaris tournament sponsored by the Redstone Arsenal Officers Wives Golf Group at the Arsenal course recently.

At the end of 18 holes, Deppensmith and Tex Whittemore first and second flight winners were tied. Tex hung on for 27 holes before she went down leaving Deppensmith the champion and Whittemore winner of the first flight. Clara Miller was the runner up with the consolation going to Grace Wachsler in the first flight.

Second flight winner was Marian Deppensmith with Blanche Kaiser in runnerup position and Mimi Diehl taking home the consolation.

Among the nine-hole golfers, Kathren Murray came in with the consolidation trophy behind runnerup Lucille Johnson and winner Alma Henley.

Trophies were awarded at lunch at the Redstone Officers Open Mess along with golf ball trophies to winners of regular Wednesday competition. Charlene Powell presided over these awards. She also outlined plans for two upcoming events: a mixed Scotch 4-some Nov. 5 and the club championship tournament, Oct. 24-25-26, 54-hole medal play trophies will be awarded at brunch Nov. 8. The nine hole group will play 27 holes.

Martha Napper served at tournament chairman and Johnnie Holmes as hospitality.

Among the recipients of golf balls won in earlier competitions were Charlene Powell, Erlene Dials, Betty Lou Ivy, Blanche Kaiser, the group chairman, Marian Deppensmith, Martha Napper, Vi McDermott, Margaret McBrearty, Genevieve Johnson, Imogene Lange, Tex Whittemore, Billye Shupput, Ann Dorris, Betty Lau, Midge Clisson, Irma Wiklund, Louise Hix, Ginny Bowers, Grace Wachsler and Rita O'Connor.

Redstone Ruggers Whip Ft. Jackson

Trys by Frank Coble and Scott Duiguid led Redstone Rugby Club to a 13-3 upset of Ft. Jackson in a rugby football game there last Sunday.

Andrea Nageon-de-Lestang added to the Redstone scoring with a penalty kick and two conversions. A try by Jim Morris accounted for Ft. Jackson's scoring.

Last spring, Ft. Jackson defeated Redstone twice.

The victory was Redstone's first in two games.

The loss was to Atlanta, a team which will be competing in the four-team tournament with Redstone, Birmingham and New Orleans in Birmingham Sunday. Kickoff is at noon on Homewood field.

Spares Continue Winning Habit

The Spares continued their winning ways in the Comp Center Mixed bowling league last week with a 3 to 1 win over Fortem IV as the runner up Lucky Strikes were being held to an even split by the Bad Gnus.

Courts & Co. scored the only sweep of the evening at the expense of the Strike Outs while the All-Sports Trophies and the Skunks were three out of four winners against the Huntsville Realty and the Hawks respectively.

Randy Sumner shared one pin margins with Gene Matthews to capture individual honors for the men and Sue Todd edged Ginny Hight among the women.

Sumner shot a 210 game and finished with a 544 series total for Courts while Matthews had a 211 game and a 543 series for the leading Spares. Jim Collins joined the 500 category with a 507 for Fortem IV.

Sue Todd shot a 495 series for the All-Sports, Ginny Hight turned in a 483 sheet for the Lucky Strikes and Norma Street had a 479 for the Bad Gnus.

MMCS Flag Football League

Standings	W	L
1st ETC	4	0
3rd ETC	3	1
B Company	3	1
C Company	3	1
4th ETC	2	1
5th ETC	2	1
7th ETC	2	2
9th ETC	2	2
A Company	1	3
Student Officers	1	3
6th ETC	1	3
D Company	1	3
8th ETC	1	3
2nd ETC	0	4

This Week's Games Tonite
B vs. 8th, 4:30; C vs. 7th, 5:45; D vs. 6th, 7:00.

Thursday
2nd vs. 5th, 4:30; 3rd vs. 4th, 5:45; 1st vs. 9th, 7:00.

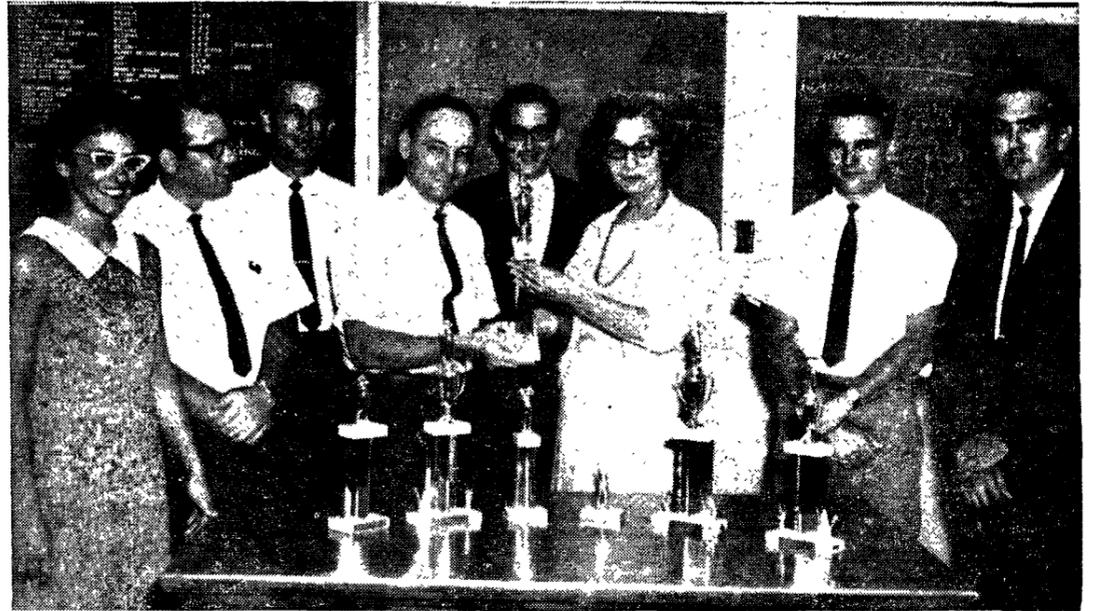
Monday
SOC vs. 8th, 4:30; A vs. 7th, 5:45; B vs. 6th, 7:00.

Lindsay Raps 608 As HUBCO Sweeps

Tom Lindsay, Quenton Owen and Buddy Fees were the top gunners as the Supply Management League bowlers continued to stack the maple kindling at a near record pace last week.

Lindsay was the only one of the three to pass the magic 600 mark when his 608 Honor Roll total paced the Huntsville Brick and Tile keggers to a clean sweep win over the Ramblers. D. B. Smith chipped in with a 572 for the league leaders.

Owens fired a 597 and Mel Webb helped him along with 545 as the All-Sports took all four from the Building Supply five. Fees did his damage in the form



DPO GOLFERS—Edith Gibbs, chief of the Data Processing Office, has the honor of presenting the winning awards for the Swampers Golf League, made up of personnel from the DPO. The Data Processors formed the league for the first time this year, playing at the Wildwood Golf course in Toney. Following completion of the regular season's play, the league held a tournament with Max Watson walking off with most of the honors. George Bush was runner up and Lynn Barnes grabbed third place. Shown in the above picture with Mrs. Gibbs are, left to right, Peggy Smith, Max Watson, Lynn Barnes, Sid Douglas (most improved golfer during the season), Fred Paxton, Bob Hall and Earl Clower.

All-Sports Share Lead With Bombers

An interesting duel for the lead in the AMC bowling league has developed early in the race with the All-Sports Trophies giving the league's perennial leaders, the Bombers, a run for their money.

Each of the contenders scored sweeps last week to maintain a deadlock for the lead, two points ahead of the Rejectors. A third sweep was notched by the Tigers when they took all four points from the Stars.

Eulas Gilbert fired a series ending 227 and totaled 550 for the three games in leading the Bombers past the Avengers for all four of the points. Gerry Keagy pitched in with a 534 while Tom Patterson turned in a 547 in the losing cause.

The Voyagers turned loose another potent one-two attack that was good for a 3 to 1 win over the Wonners. John Galbreath was high with 569 and George Huffman added a 541.

Slim Wilson paced the Rejectors to a trio against the Alley Cats with 540 while the Raiders got a split with the Travelers by taking a 1017 to 1014 squeaker in the third game.

of a 594 as the Pin Busters took three out of four from the Shoot 'n Scoot five. Roy Parmalee turned in a 578 in the losing cause.

Officials Needed Now

Anyone for basketball? Officiating, that is—

The Special Services Office is interested in getting a line on those persons who might be interested in officiating basketball games for the Unit Level league during the winter months.

Sgt. Irv Lyles, of the Sports Branch, called on those who are interested to turn in their names at the Workout Facility in Building 3474.

He said that an Officials' Clinic will be conducted during the early part of November for the purpose of helping officials and team captains to keep up to date on the latest rules.

Three Command Experts To Participate In Executive Seminar

Three Army Missile Command experts in data processing procedures will serve as instructors Oct. 24-26 at an Executive Seminar held at the University of Alabama in Birmingham.

Charles L. Colvard, Chief of Logistics Data Processing Branch of the Computation Center; Mrs. Edith Gibbs, Chief of the Data Processing Office, Supply and Maintenance Directorate; and William R. McBride, of the Management Sciences and Data Systems Office will participate in the state-wide seminar, each conducting a separate small group discussion.

The seminar is sponsored by the Data Processing Management Association.

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Rockets Cash In Late Drive In Whipping Raiders

UTC Humpers Blast Second Battalion Bombers, 32-6

With defeat staring them in the face, the Third Battalion Rockets finally got their attack rolling midway in the final quarter to pull out a 15-8 win over the First Battalion Raiders in the feature game of the Redstone football league play last week.

The UTC Humpers had things pretty much their own way in racing to a 32-6 win over the Second Battalion Bombers in the Saturday game. The league leading MICOM Marauders drew a bye.

This week's games will see the Raiders pitted against the Bombers on Friday and the Marauders returning to action against the Humpers on Saturday.

The Rockets got off to a good start with a touchdown the first time they got hold of the ball. Quarterback Walt Brandon connected with his flanker, Cal Doyle, for a 25 yard scoring play and Brandon converted for a quick 7-0 lead.

But the attack bogged down and the Raiders were never able to make much headway and the remainder of the first half turned into a defensive duel, with the Raiders having a little the better of the going.

Soon after the second half kick-

point conversion. Linebackers Donnie Brown and Wayne Blackburn were responsible for keeping the Raider offense in control while Jim Shaw and George Hanson on the defensive line and Rick Jordan in the secondary, also played outstanding games.

The Raider defense was led by Tom Orosco, John Spencer and Joe Hackel on the line and Jesse Hawthorne and Dan Gordy in the secondary.

Art Allard and Mel Bratton proved to be entirely too much for the Bombers in their Saturday evening affair with the Humpers. Allard threw for a pair of touchdowns and set up two others while Bratton scored three times.



ACCEPTS COLORS—Maj. Charles W. Peters (left) receives the colors of the 2nd Battalion of the School Troop Command at the Army Missile and Munitions Center and School from Col. James L. Keown during ceremonies held recently at the 2nd Battalion Headquarters. The 38 year old major now commands the battalion, replacing Capt. Victor E. Stamey who has been transferred to Vietnam. Major Peters won his commission after completing the Officers Candidate Course at Fort Sill, Okla. in 1957.

REDSTONE BENEFIT ASSOCIATION

GROUP LIFE INSURANCE FOR CIVILIAN EMPLOYEES
We are pleased to announce that effective December 1, a new Group Family Life Insurance plan covering wives or husbands and children will be available to members of the Redstone Benefit Association. Now, for the first time, an employee can insure the entire family for a low quarterly premium. In adopting this coverage the Army Missile Command becomes one of the very first major Government Agencies to make these benefits available to its employees.

Quarterly Premiums Per Employee

Employee Salary	Under \$6,000	\$6,000 to \$12,000	Over \$12,000
Employee Age	Spouse Child	Spouse Child	Spouse Child
Less than 30	2.80	4.00	5.20
30 — 34	2.80	4.00	5.20
35 — 39	2.90	4.55	6.20
40 — 44	3.50	6.30	8.10
45 — 49	5.00	8.80	12.60
50 — 54	7.00	13.00	19.00
55 — 59	10.00	19.00	28.00
60 — 64	15.00	28.00	41.00
65 and over	20.00	40.00	60.00

point conversion.

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Art Allard and Mel Bratton proved to be entirely too much for the Bombers in their Saturday evening affair with the Humpers. Allard threw for a pair of touchdowns and set up two others while Bratton scored three times.

The two elevens battled through the first period without a score and went about half way through the second quarter before the Allard-Bratton combo decided it was time for a change.

The quarterback got things going midway in the quarter with a 33-yard shot that Bratton took on the 8 yard line and raced into the end zone untouched. A couple minutes later Allard connected with Gil Fisher at the 23 and on the next play Bratton swept his left end and outran the secondary for his second score.

The Bombers struck for a score of their own soon after the second half kickoff when Bob Devot and Curt Rose teamed up on a 60-yard scoring aerial.

The Humpers got that one back when Earl Huff climaxed a 62 yard march with a slant off the left side from 8 yards out, and quickly added another score with Tommy Brown hurling a halfback pass to Bratton for a 70-yard scoring bomb.

The final score came late in the game with Allard connecting with Fisher from 25 yards out. The only conversion of the game came on an Allard to Jim Beam pass.

The Humper defense was outstanding throughout the game with

but one lapse. Leading the charge were interior linemen Wally Sele, Lowell Smith, and Frank Washington, linebacker Shade Goins and defensive end Chuck Lord.

Deep back Gary Yarnaski played an outstanding game for the Bombers as did linemen Jim Myers, Jim Armstrong and Jim Woodward.



MAJ. VERLE B. HAMMOND

MAJ. HAMMOND NAMED HEAD OF DIRECTORATE

Assignment of Maj. Verle B. Hammond as Director of the Materiel and Doctrine Review Department of the Directorate of New Missiles and Literature is announced by the Army Missile and Munitions Center and School at Red-

stone Arsenal, Ala.

Maj. Hammond was transferred here recently after serving as Division Ammunition Officer with the 1st Infantry Division in Vietnam.

Born in St. Augustine, Fla., Maj. Hammond, 33, has 11 years of Army service. He received his commission after graduating with a Bachelor of Science in mathematics from Florida A&M University.

His decorations include four Bronze Star Medals, three Air Medals, the Army Commendation Medal and the Vietnamese Armed Forces Medal of Honor, 1st Class.

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1000	92.30	48.76	\$40.05
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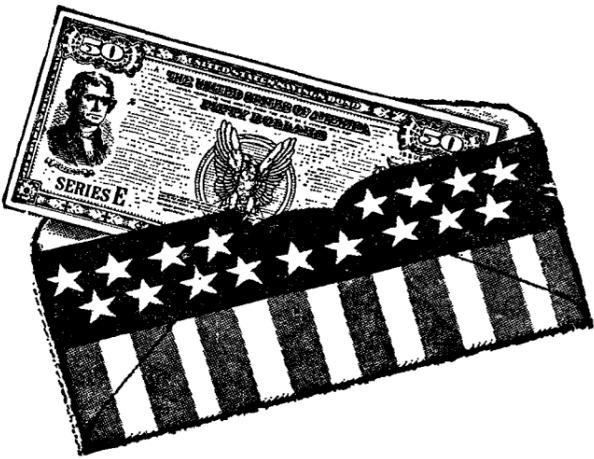
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TWO COLONELS APPOINTED English. He is a 1948 graduate of the Academy. They were sworn in by Brig. Gen. John R. Janarone, Dean of the Academic Board at the Academy. (AFPS)

Two Lieutenant Colonels have been appointed by President Johnson as Permanent Professors and Deputy Heads of their respective academic departments at the U. S. Military Academy. Lt. Col. Gilbert W. Kirby Jr., a 1949 West Point Graduate, has been named to the department of earth, space and graphic sciences. Lt. Col. Jack L. Capps is in the department of

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RECEIVES MEDAL—Capt. Carroll W. Merlick (left) receives the Bronze Star Medal from Col. Paul B. Schuppener, commandant of the Army Missile and Munitions Center and School. The 29-year-old Captain received the decoration for outstanding performance with the 506th Field Depot in Saigon, Viet-Nam, where he served as Chief of the Document Processing Branch. He returned recently and is now serving as Project Officer with the Directorate of Individual Training at MMCS.

New Rules Entitle Vietnam Veterans To War Compensation

Alabama veterans who receive compensation checks because they were disabled in military service during the Viet-Nam era—after Aug. 4, 1964—will be entitled to compensation at the same full wartime rates provided for veterans of other wartime service, Neil R. Smart, Manager of the Veterans Administration Regional Office in Montgomery, announced.

For a Viet-Nam era veteran already drawing compensation at the peacetime rate, VA will automatically adjust the award to pay the higher wartime rates, beginning

AUTOMATIC INCREASES

Veterans now in school will receive automatic increases in G. I. Bill education checks. Effective Oct. 1, new amounts will be included in checks scheduled to arrive in November. Increase averages \$30 per month for single veterans to veterans with two dependents who are enrolled in full-time study. An additional \$10 will be provided monthly for each dependent in excess of two. (AFPS)

Oct. 1.

A recent new law also makes Viet-Nam era veterans and dependents of deceased veterans eligible for the first time for VA pensions. Pensions are payable to low income veterans permanently and

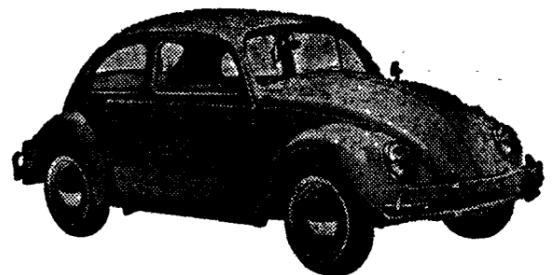
totally disabled from reasons not traceable to their military service.

Needy widows and surviving minor children of Viet-Nam veterans who died of nonservice connected causes also may receive pensions under the new law.

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| 1964 VW Sedan. Loaded with extras. \$1195. | 1966 Buick — Air and power. Really nice. Low mileage. \$2595.00 |
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| 1965 VW Station Wagon 8 passenger. \$1495. | 1963 VW 113 Sedan, leatherette, radio \$995. |
| 1965 VW 113 Sedan, radio, heater, nice. \$1395. | 1965 VW Station Wagon. Clean, 7 pass., low mileage \$1495. |
| 1966 VW Sedan 19,000 miles \$1595. | 1962 VW 113 Sedan, nice, fully equipped \$895. |

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With investments of well over \$20 million during the past five years, Redstone personnel continue to show the way for Army Materiel Command installations in the regular purchase of U. S. Savings Bonds.

Maj. Gen. Charles W. Eifler revealed the total investment in praising local military and civilian personnel for their continuing support of this very important program.

The Commanding General of the Army Missile Command was a guest speaker for the annual Savings Bond recognition dinner at the Officer's Open Mess recently. He spoke to approximately 400 Savings Bond solicitors from every Army organizational element at the Arsenal.

Joining Gen. Eifler in speaking roles at the dinner were Glen R. Johnson, National Director of the Savings Bond program for the U. S. Treasury Department, Raphael Morvant, of New Orleans, who is Regional Director of the Savings Bond Division, and Oscar P. Drake, of Birmingham, who has the same title for the State of Alabama.

In citing the Redstone performance during the past year, Gen. Eifler said that the 95 per cent participation here far exceeds the overall Department of Army rate which is 84.1 for the military and 78 per cent for civilians.

He said that Arsenal civilians reached their peak during fiscal year 1967 when the Finance and Accounting Center issued bonds with a total value of \$5,143,594.

During the same time frame military personnel have kept pace with average monthly purchases in excess of \$60,000.

After speaking briefly on the overall national objectives of the Savings Bond program, Johnson presented service stars to the heads of eight agencies that have maintained their rate of participation above 90 per cent for periods up to four years.

A third service star was presented to the Supply and Maintenance Directorate, the Procurement and Production Directorate, the Research and Development Directorate, the Arsenal Support Op-

erations Directorate and the Army Missile and Munitions Center and School.

Gen. Eifler accepted the second service star on behalf of the Missile Command (excluding the large directorates), while the first service star went to the School Troop Command and the Director of Individual Training.

Drake cited Lt. Col. M. A. Jones, Chief of the MICOM Finance and Accounting Center, for the outstanding direction that he has exhibited over the past three years as coordinator of the Savings Bond program.

He presented the coveted Minuteman statuette to Col. Jones, making him one of very few persons in the state who have ever been so recognized.

Individual plaques were presented by Morvant to some 40 personnel of the Arsenal whose combined efforts have made the outstanding record possible.

Those cited for their individual efforts in support of the Savings Bond program include Maj. Donald Kreul, SFC Raymond Lemore and 1SG William Carroll of the Troop Command, Maj. George Kuykendall and Peggy Brewer, of the Nike-X Project Office, and Maj. M. M. Medokowich, Capt. Robert Mullen, Capt. George Strack, and 1SG Richard Brownlee, of the Missile School.

Those from the Procurement and Production Directorate cited were James Fowler, Herbert Kelly, Wanda Douthit, John Cox, Robert Hooker, Charles Sneed and Davis Ryals.

Sam Garner, Ruth Garrett, Glenna Jenkins, and Sarah Johnson represented the Research and Development Directorate on the awards list, while LTC E. M. Effingham, Lucille Price and Montie Burgess, were honored for MICOM headquarters units.

Supply and Maintenance award winners were Leonard Twinem, Bob Davis, Marion Legg, Jessie Ruth Roden, Marie Grimes, Bill Bentley, I. R. Kellogg, Edith Gibbs, Shirley Bentley and David Balkin.

Those cited for their efforts in the Arsenal Support Operations Directorate were J. B. Ellis, Ernest



BAD NEWS FOR TANKS!—Mounted on both sides of the UH-1B helicopter is the XM-26 subsystem which will fire TOW guided missiles. Each pod carries three missiles. Airborne TOW is being developed to destroy heavy armor and other infantry targets. The system features a stabilized sight developed by Hughes Aircraft Company, prime contractor, which counters movement of the helicopter. The TOW program is managed by the U. S. Army Missile Command, Redstone Arsenal, Ala. TOW missiles have scored hits on moving tank targets at ranges of more than a mile in tests at Redstone Arsenal.

Ticket Office Sets Expanded Service

Looking forward to a busy holiday season, the Joint Airlines Military Traffic Office (JAMTO) on Post has announced plans for expanding their service to Arsenal personnel for the remainder of the year.

John Forney, manager of the JAMTO Office, urged those planning to travel during the Holiday season to complete their plans and make their reservations as far in advance as possible.

He said that personnel from his office will be located in Building 3210 on Tuesdays and in Building 3736 on Wednesdays of each week to assist personnel with their travel plans. The special hours on each of these days will be 1:30 until 5:30 p.m.

John Horton, John Bryan, James Weldon, Carolyn Terry, Betty Creech, Clara Buford and Pauline Stahley.

The Redstone JAMTO facility is located in Building 3684 operating from 8:00 a.m. until 4:30 p.m. Mondays through Fridays. Arsenal personnel desiring reservation and ticket information may call extensions, 881-7270, 881-7668, or 881-6772.



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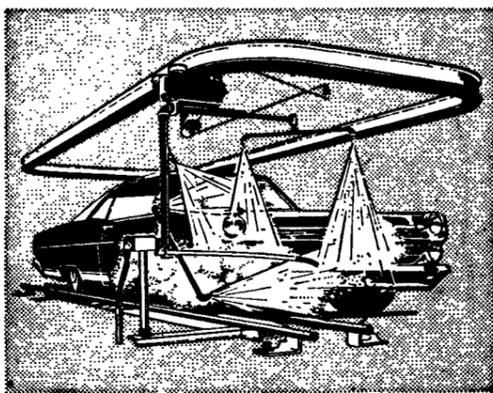
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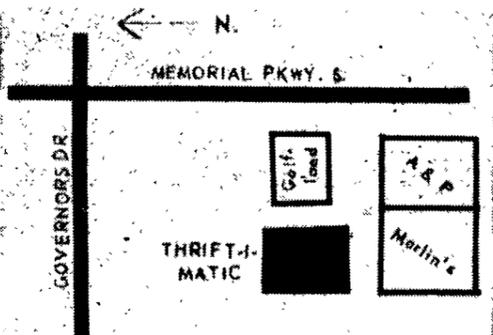
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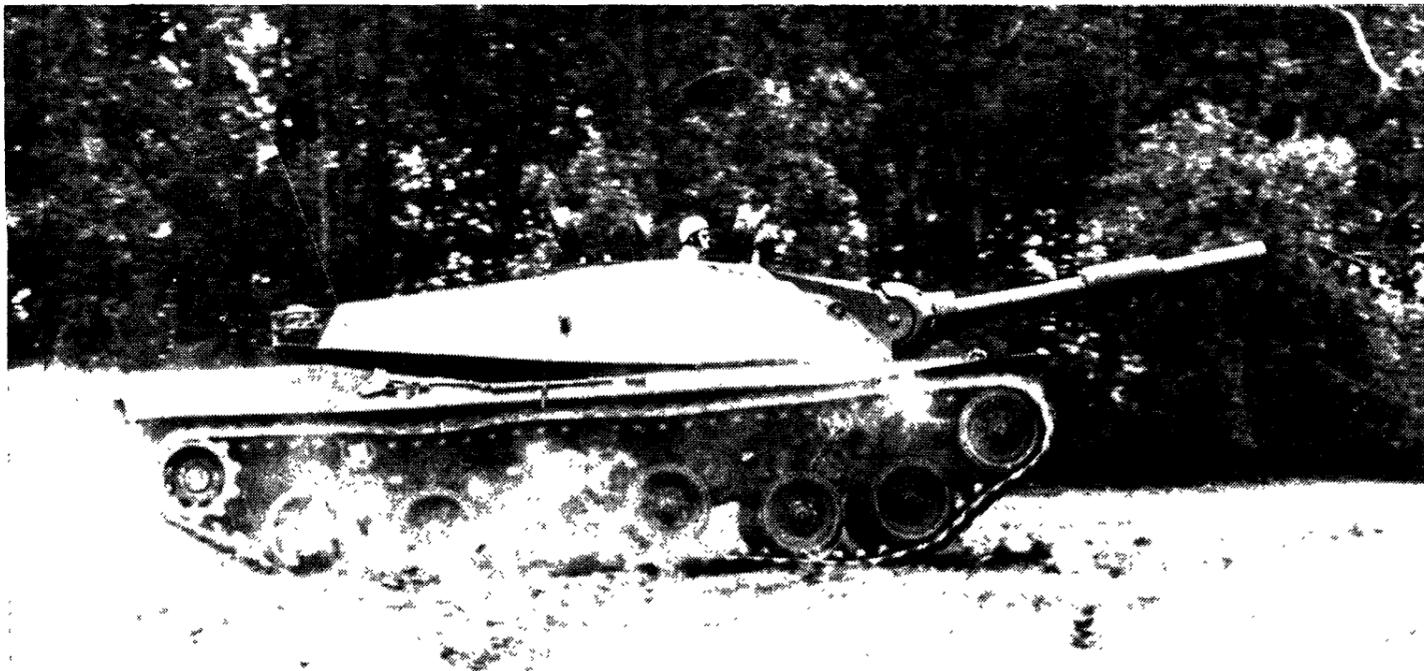
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MBT-70—The Army's new main battle tank moves rapidly over an obstacle course. The tank has a variable suspension system among many new features that enables the driver to raise or lower

the vehicle almost instantly. A joint product of the U. S. and Federal Republic of Germany, the new tank fires the Shillelagh missile from its 152 MM gun launcher.

Shillelaghs Are Armament For New Main Battle Tank

WASHINGTON — The first prototype of the Army's new main battle tank which will use the Shillelagh guided missile system as its main armament was unveiled last week at the annual convention of the Association of the U. S. Army.

Officially designed the MBT-70, the new tank is the product of a cooperative program between the United States and the Federal Republic of Germany. Production of the vehicle is scheduled for the early 1970s.

The MBT-70 incorporates many new features. Among those cited as proof of the Army's claim that the new tank can outrun, outshoot and outmaneuver any known tank are:

1. A unique environmental control capsule protecting the three man crew against radiation, chemical and biological air-borne contaminants.

2. A suspension system that provides variable ground clearance from normal to higher or to an unusually low silhouette. The ve-

hicle can be tilted front to back and from side to side in order to remain level under all terrain conditions.

3. A 152 mm gun launcher firing either conventional rounds of the Shillelagh missile. The gun launcher has an electrically operated breech mechanism and an

automatic loading system.

4. A stabilized fire control system with a gunner's periscope that permits the gunner to select and remain on target continuously.

5. A 1475 horsepower diesel engine with multi fuel capability. The engine can start, stop and operate while the tank is completely submerged.

6. A powershift transmission with four forward and four reverse ranges enabling the tank to rapidly accelerate up to 30 miles an hour from a standing start and climb steep slopes.

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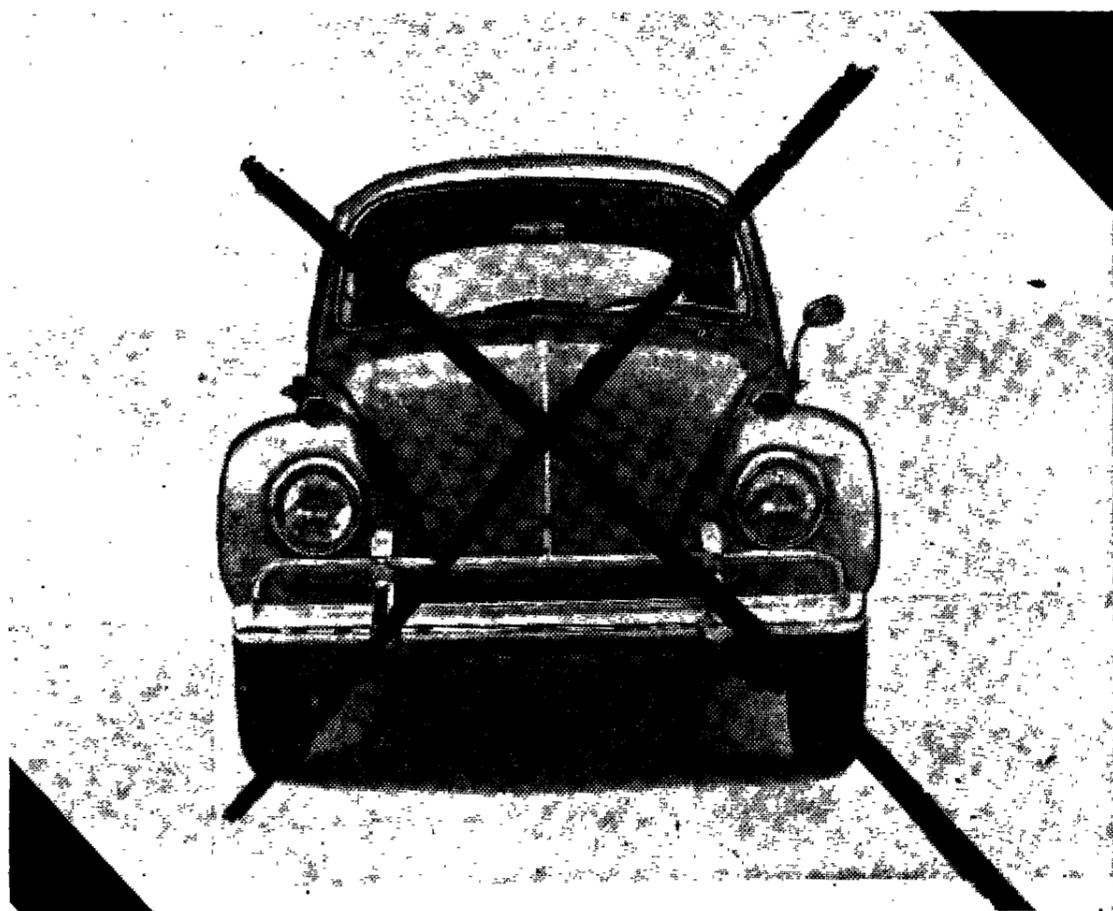
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NEW CO Appointment of 1st Lt. Gary L. Floyd as commanding officer of Company A of the School Troop Command at the Army Missile and Munitions Center and School is announced by Col. James L. Keown, School Troop Commander. The company includes 350 soldiers of the permanent party at MMCS. Lt. Floyd won his commission in the Reserve Officer Training Corps at Murray State College in Murray, Ky., where he received a B. A. in mathematics and physics in 1964. He was a research assistant at the University of Illinois prior to entering upon active duty.



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Thirteen Answer Siren Song Of School; Success

Two Missile Command officers along with thirteen civilian employees are off post this week to engage in career development training programs being conducted by government schools in different parts of the country. The training is made available to the local personnel under the Com-

mand's career development program administered by the Training and Development Division of Civilian Personnel.

Four of the locals reported for classes at the U. S. Army Management Training Agency at Rock Island, Ill., on Monday. One will be there for a week while the

others are enrolled for three weeks.

Rufus Gattis (DASO) will be at AMETA this week for the ADP Appreciation course. Quinton Bagwell (MMCS) is enrolled for Work Planning and Control, while William Hart (Metrology) and ILT Charles Small (DASO) are studying Computer Programming.

2LT Gary Globus (Chaparral) and Charles Washburn (P & P) are taking the two-week Quality Control Management course at the Army Logistics Management Center at Ft. Lee, Va.

Richard Smith (DASO) is in

Philadelphia this week for Certified Soldering at Frankford Arsenal, and Robert Kennedy (DASO) is taking a course on Regulatory Base of a Personnel Program offered by the Deputy Chief of Staff for Personnel in Dallas.

The Sandia Base in New Mexico is the locale for an advanced course in Atomic Weapons which Steven Smith (R & D) and George Lackey (Hercules) are taking at the Defense Atomic Support Agency.

Charles Peck (S & M) is at Wright-Patterson AFB, Ohio, for

Program Evaluation Review Techniques at the School of Systems and Logistics, and Carl Stephens is studying ADP for Management with the Civil Service Commission in Dallas.

A. C. Owings (Hawk) and George Rideout (P & P) are participating in the Procurement Executive Refresher offered by the Naval Materiel Command in Washington, and Robert James is studying Aerospace Telemetry at Aerospace Electronics, Inc., in Atlanta.

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#9176—BLISSFUL Beautiful center diamond. 14k gold. \$19.50 \$4 Twice Monthly	#9177—DEVOTION 4 blazing diamonds. 14k gold. \$89.50 \$450 Twice Monthly	#9163—DIAMOND DUET 2 fiery diamonds set in 14k gold. \$189.50 \$950 Twice Monthly	#9114—STAR DREAM Blazing brilliant center diamond. 14k gold. \$199.50 \$10 Twice Monthly	#9165—DIAMOND DUO 11 sparkling diamonds. 14k gold. \$279.50 \$14 Twice Monthly

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#3237—ATLAS Blazing synthetic birthstone. Diamond enhanced. 10k gold. \$99.50 \$5 Twice Monthly	#3273—V.I.P. Your initial in gold on genuine Black Onyx. Diamond accented. 10k gold. \$49.50 \$250 Twice Monthly
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NEW CO—Lt. Jerry D. Malone is named commanding officer of the 6th Enlisted Training Company of the School Troop Command at the Army Missile and Munitions Center and School. The company includes 209 men from the U. S. Army who are attending various courses in missile and ammunition maintenance at MMCS. Lt. Malone received his reserve commission from the Officer Candidate School at Aberdeen Proving Ground in January of this year.

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Tour To Nashville

The Service Club will sponsor a tour to Nashville, Tenn. Sunday. The tour bus will leave the club at 9 a.m., return at 6 p.m.

The highlight of the trip will be a visit to The Hermitage, home of Andrew Jackson, furnished throughout with articles used by the family and personal papers, records and relics that played important parts in the life of Old Hickory.

Jackson's coach in which he made several trips to Washington, the tomb of Jackson and his wife, the restored cabin of Uncle Alfred, Jackson's body servant, are a few of the many things to be seen.

A picnic lunch will be furnished.

Perkins To Attend Columbia Meeting

An Army Missile Command research physicist, Dr. James F. Perkins, will attend a meeting at Columbia University of the American Physical Society, November 16-18.

Dr. Perkins, who is assigned to the Plasma Physics Branch, Physical Sciences Laboratory of the Research and Development Directorate, will present a paper, "Variational-Bound Method of Autoionization States." Major advances in plasma physics will be discussed at the meeting.



TOP STEP—Edward L. Jaco becomes the seventh Chief Warrant Officer 4 now assigned to the Army Missile and Munitions Center and School at Redstone Arsenal as he is "pinned" with bars of the highest warrant officer rank by his wife, Donna, and congratulated by Col. John R. Henderson, assistant commandant. Jaco is a nuclear weapons technician at MMCS. A veteran of 24 years service, he resides with his wife and their three children at New Market, Ala. His mother, Mrs. Jaco is from Williamsville, Mo.

JOSH WHITE TO PERFORM HERE

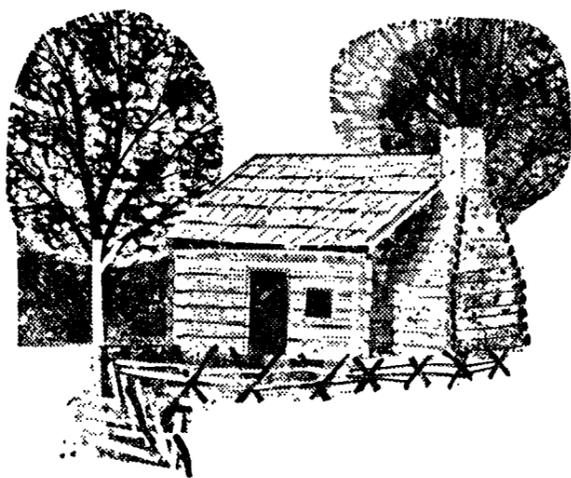
Josh White, Jr., versatile singer of folk songs, ballads, and blues, will appear in a concert at 8:15 p.m., Saturday, October 21 at Lee High School Auditorium. His performance is sponsored by the Student Government Association of the University of Alabama in Huntsville.



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Malaysian Graduates, 32nd Country's Representative

The U. S. Army Missile and Munitions Center and School today awarded diplomas to its first students from Malaysia. The recently established republic in Southeast Asia is the 32nd nation to be represented at the Redstone Arsenal training center.

The Malaysian students were Cpl. Bin Hamid Kamaruddin and Cpl. Bin Abdul Rahman Abu Bakar.

They were among 66 graduates who were addressed by Col. L. L. Lowe, chief of the MMCS officer training department, at a ceremony in the Post Theater presided over by Col. K. S. Whittemore, MMCS director of logistics.

Four graduates received the outstanding student award of the Association of the U. S. Army for averages of 96 or better in their studies.

They were: 2nd Lt. David E. Willenborg of Spokane, Wash. and 2nd Lt. John C. Boras of Stratford, Conn. who scored 97.8 and 96.9 respectively in the missile maintenance officer course; Pfc. Ronald W. Gildersleeve of Sandy Lake, Pa., with 97.1 in Nike test equipment; and Pvt. Daniel D. Stern of Salem, Oregon, with 96.3 in ammunition storage.

Cited as honor graduates were Pfc. Aubrey L. Baker Jr. of El Dorado, Ark., with 92.2 in Hawk missile radar; and SP5 Theodore O. Rainey of Warner Robins, Ga., with 88.8 in Nike missile radar.

Col. Lowe told the graduates that their success in their careers

Thiokol Men Present Two Papers

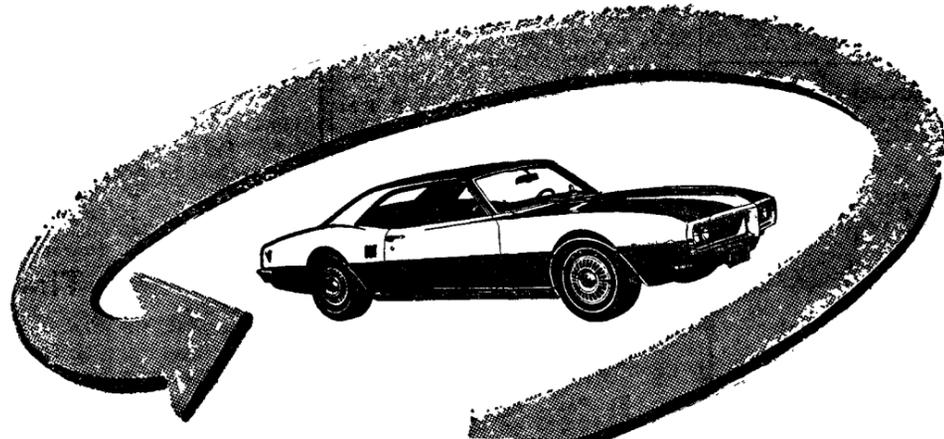
B. B. Stokes, Engineering Department, Thiokol Chemical Corporation's Huntsville Division, presented a paper last week at the Fourth ICRPG (Interagency Chemical Rocket Propulsion Group) Com-

can be determined by three A's—attitude, adjustment and ambition.

National anthems were played by the 55th U. S. Army Band.

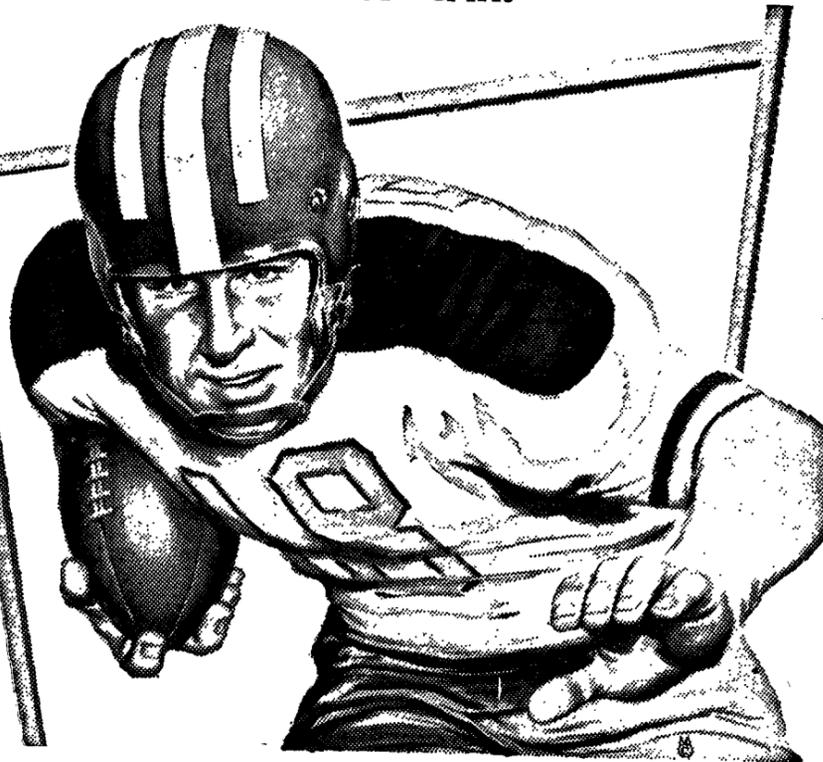
bustion Conference held in Menlo Park, California. Co-authored with L. H. Caveny and B. J. Lyles, Stokes's paper was titled "Ignition and Subsurface Decomposition of Composite Propellants Under a Thin Elastomeric-Layer."

John D. Marlin, III, Quality Department, Thiokol's Huntsville Division, will present "Development Testing of Air Augmented Rockets" at the ICRPG 5th Annual Meeting Working Group on Static Testing to be held in Sacramento, California, on October 18-19, 1967.

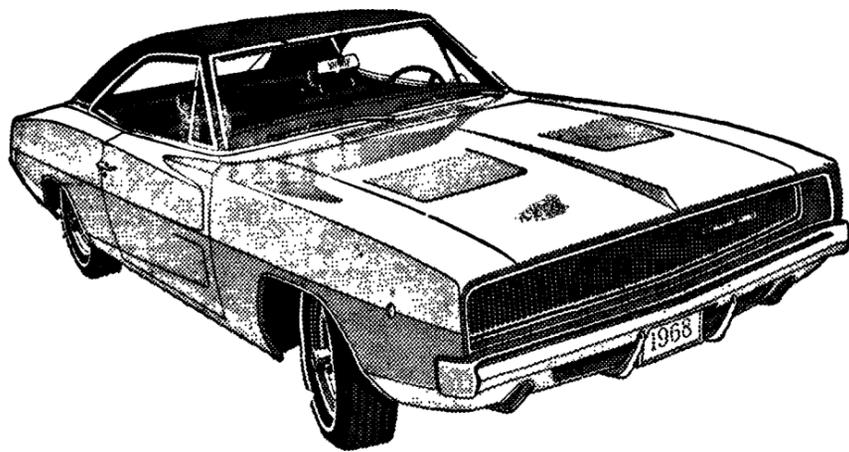


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Griffin To Present Paper

An Army Missile Command engineer, Judson Griffin, will present a paper at a meeting in Chicago of the Society of Experimental Stress Analysis, Oct. 31 to Nov. 3.

Griffin, who works in the Research and Development Director-

ate's Propulsion Laboratory, will present a paper entitled "The Application of Two-Dimensional Photo-elasticity to the Study of Acceleration Stresses."

The meeting is intended to provide a broad review of recent achievements in stress analysis in education and industry. Noted authorities in academic, industrial, and governmental fields will participate.

Griffin, who is membership chairman of the Huntsville section, will also participate on the committee of membership and local sections which will convene during the convention.

Theater Schedule

THUR.-FRI., Oct. 19-20
"Maroc 7" (M-YP)
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SAT., Oct. 21 special matinee
"And Now Miguel" (F)
SAT.- Oct. 21
Walt Disney's "Snow White and the Seven Dwarfs" (F)
SUN.-MON., Oct. 22-23
"Cool Hand Luke" (M)
INCREASED ADMISSION: adults 50c children 25c
TUE., Oct. 24
"The Endless Summer" (F)
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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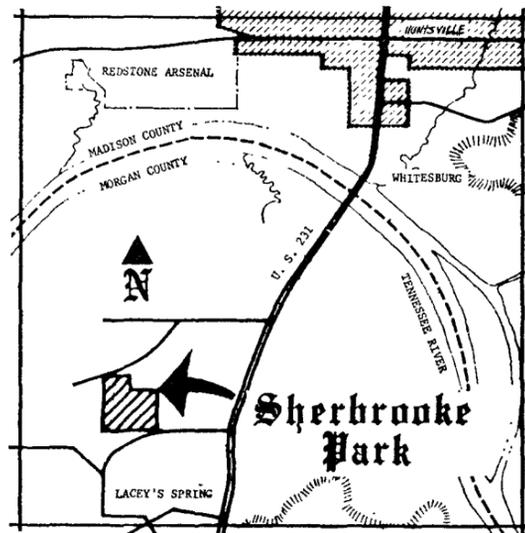
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PROMOTED—Lt. Col. Richard I. Hart (left) was promoted in ceremonies at the U. S. Army Missile Command last week. Col. William F. Kaiser, Chief of Staff of the Missile Command, and Mrs. Hart shared the pinning of shiny silver leaves on his blouse. The newly promoted officer is the Deputy Dental Surgeon at Redstone Arsenal. He joined the staff in August following an assignment with the 665th Dental Detachment in Korea.

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The Interagency Board of U. S. Civil Service Examiners is currently accepting applications for Engineering Technicians,

If you have quality experience and/or an appropriate college degree, you may be eligible for jobs with starting salaries ranging from \$5331 to \$9221 per year.

Engineering technicians perform nonprofessional technical work in research, development, testing, specification writing, standardization and other functions.

Typical duties include testing engineering materials, conducting efficiency and performance tests, calibrating measurement standards, and preparing technical reports.

Repairmen

Repairmen who have had experience in either battery repair or artillery repair may now apply for jobs.

The Board will accept applications for artillery repairer, \$2.59 per hour, and battery repairer, \$2.59 per hour, until further notice.

Registers established from eligible applications will be used to fill anticipated vacancies at the Anniston Army Depot.

Battery repair applicants must have had one year of experience in repairing, rebuilding, and charging various types of wet storage batteries.

Applicants for artillery repairer must have had one year's experience as a helper in one or more of the mechanical trades and six months experience in maintenance, repair, and overhaul of artiller-

lery.

Instructors

The U. S. Army Missile and Munitions Center and School is looking for qualified instructors in the fields of ammunition and electronics.

Basic requirements are either three years of qualifying experience or an appropriate college degree. Beginning salaries range from \$5331 to \$6451 per year.

Instructors hired for these positions may be instructors or supervisors of instructors in specific areas.

They may develop or review special course materials, training aids, and manuals. Instructors may also administer training programs.

More details and application forms are available at the Interagency Board of U. S. Civil Service Examiners for North Alabama, 806 Governors Drive, S. W., Huntsville, Alabama, 35801.

Accountants Schedule J. V. Williams To Talk

J. Vern Williams, certified public accountant, from Tallahassee, Fla. will speak Oct. 19 to the Huntsville Chapter, Federal Government Accountants Association, at the Carriage Inn at 6:30 p.m.

Williams, a graduate of Florida State University, is a senior partner in the CPA firm, Williams, Sheffield, and Watterson, which has offices in Tallahassee and Perry, Fla. He has served as tax advisor to the Governor of Florida, and as consultant to the Internal Revenue Service in revision of tax laws.

OPTICAL PHYSICS COURSE

A short course in "Optical Fundamentals" will be held at the University of Alabama Huntsville Campus, Oct. 23-27, 1967.

This course will review the basic principles of Optics and will serve as a prerequisite to advanced Optical Physics. The follow-up course is designed to give an account of the present state of the art to which optical radiation and its applications has advanced.

This course is intended for workers in research and development, engineers, teachers of graduate students, who are interested in Optical Radiation Physics.

Enrollment is limited, so early registration is important. For further information contact Conference Activities Department; University of Alabama Huntsville Campus.

Registration will be accepted up to and including Oct. 23.

Wrecker Service

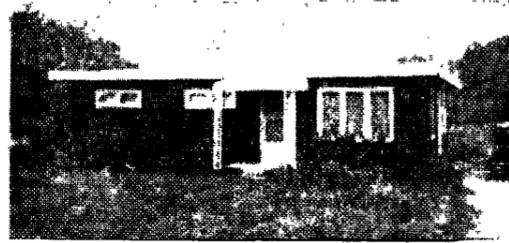
In case of an accident ask for our new wrecker. Courteous operator, reasonable charges. Day Phone 539-6541, night 534-0776.

Hill Chevrolet Company

AUCTION

SATURDAY, OCTOBER 28th

RAIN OR SHINE
7 Pieces of Property To Be Sold To The Highest Bidder
And You Set The Price!



SALE NO. 1 — 10:30 A.M.

3 Bedroom & bath, new roof, City water, in excellent condition. GURLEY, ALABAMA—Now rented for \$70 Per Month. Located on Highway 72 North, second house on the left just past the traffic light in Gurley, Ala. To be sold to the highest bidder . . . you set the price!

SALE NO. 2 — 11:30 A.M.

HUNTSVILLE, ALABAMA—52' x 175' Commercial Lot Has 52' frontage on Oakwood Avenue, West next door to the Mohawk Tire Company. To be sold to the highest bidder . . . you set the price!



SALE NO. 3 — 12:30 P.M.

HUNTSVILLE, ALABAMA—2 Beautiful Apartment Lots Each lot measures approximately 75' x 122'. Located on the corner of Kingsberry Avenue and Cambridge Street, 2 blocks off Wells Avenue. All city utilities available. To be sold to the highest bidder . . . you set the price.



SALE NO. 4 — 1:30 P.M.

HUNTSVILLE, ALABAMA—60' x 184' Commercial Lot With 6 Room House Located at 527 Church Street. Now rented for \$60 Per Month. To be sold to the highest bidder . . . you set the price!



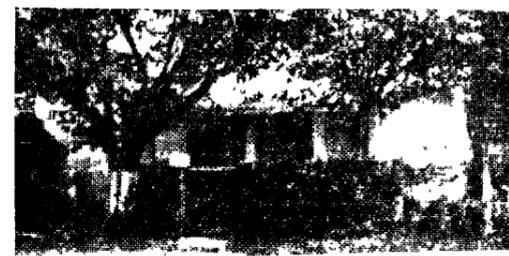
SALE NO. 5 — 2:30 P.M.

HUNTSVILLE, ALABAMA—6 room house with bath located at 2101—1st. street just off Governors Drive. Now rented for \$70 per month. To be sold to the highest bidder . . . you set the price!



SALE NO. 6 — 3:30 P.M.

HUNTSVILLE, ALABAMA—100' x 200' Commercial Lot with 6 room house and bath. Located at 3216 Long Avenue adjoining the West Huntsville American Legion property. To be sold to the highest bidder . . . you set the price!



SALE NO. 7 — 4:30 P.M.

HUNTSVILLE, ALABAMA—5 Room House With Bath, Located at 2901 Chelsea Lane, 2 blocks off Triana Blvd. To be sold to the highest bidder . . . you set the price!

Any of the above property can be purchased for as low as 15% down and the balance financed up to 7½ years at 6% interest.

COLE AUCTION CO.
911 Madison St. Huntsville, Ala. Phone 539-4328
LICENSED BONDED INSURED

AUCTION

Thursday, October 19, at 1:02 2/11 P.M.

MID-WAY AUTO SALES

The Mid-Way Auto Sales, cars & parts, 22 acres of land, 4 room house with bath, two offices, two wreckers, one boom truck, belonging to Mr. and Mrs. Charles E. Summers, located two miles from the city limits of Ardmore, 15 miles south of Pulaski, about 25 miles north of Huntsville, Alabama. The land fronts on Highway 31 and extends back to Interstate 65 only a short distance from the Cloverleaf. There is a large pond and several beautiful home sites on the property. It is ideally located for a truck stop, service station, trailer park, or to be operated as Mid-Way Auto sales. The real estate will be offered in three tracts and as a whole; the highest price determining the sale.

THIS IS A REAL MONEY MAKER!

TRACT NO. 1 consists of 2.5 acres with large frontage on Highway 31, going back to I-65 highway. Excellent home site.

TRACT NO. 2 consists of 1.7 acres with 4 room house and bath, two offices. Plenty of shade.

TRACT NO. 3 consists of 18 acres with large frontage on Hwy. 31 going back to I-65 and going to the center of Sinking Creek as the north boundary. The large pond is on this tract.

USED PARTS • WRECKER SERVICE • JUNK CARS

The Mid-Way Auto Sales has been doing an excellent business in used parts, wrecker service, and junk cars. Selling with Mid-Way Auto Sales will be acres of used cars, junk cars with numerous good parts for re-selling. The reason for selling this business, Mr. Summers has a large used car and junk car operation in Huntsville and has no one to operate this business.

4 Room Home, Bath; 2 Offices

Large Pond Located on the 18 Acre Tract

TERMS: 25% down sale day, balance on or before 30 days. All personal property, CASH.

POSSESSION: With delivery of deed.

YOU SET THE PRICE OF THIS VALUABLE PROPERTY!

Partial List of Items To Be Sold

- | | | |
|---------------------------------------|----------------------|--|
| 1 Wrecker, 40,000 Pound Boom | Tire Changer | Don't Miss This One! It's A Real Money Maker! |
| 1956 Ford, Tandem Drive | Office Furniture | |
| 1 Boom Truck, Large | 21 Goats | |
| 1 Small Wrecker '58 Chev. | 3 Donkeys | |
| 2 Semi Van Trailers | 3 Ponies | |
| Cars and Trucks in Running Condition | Saddle and Harness | |
| JD 9 Loader, 4" Bucket, International | Lot of Used Lumber | |
| | 2 Tractors | |
| | 2 Bush Hogs | |
| | Hydraulic Jacks | |
| | Battery Charger | |
| | Air Compressor | |
| | 4 Rooms of Furniture | |
| | | |

Other Articles Too Numerous To Mention

BOB KELLER
REALTY & AUCTION CO.
"Let Keller Sell 'Er"

LICENSED 110 South First Street Col. R. P. (Bob) Keller, Auctioneer Tommy Harrison, Sales Manager
BONDED Office Phone 363-2527
INSURED Pulaski, Tennessee Phone Res. 363-4609 Phone Res. 363-5159

The information contained in this circular is derived from sources believed to be correct but it is not guaranteed.

Benefit Association Offers Group Family Life Plan

The Redstone Benefit Association announced today that effective Dec. 1, it will make available to its members a Group Family Life Insurance Plan that provides coverage for wives or husbands and children.

Now an employee can insure the entire family under a single group

life policy for a low premium.

In making the announcement, RBA president William R. Heflin pointed out that the Army Missile Command is one of the very first Government Agencies to adopt this type coverage.

This new Family Life Insurance is available to employees current-

ly insured by RBA under its Group Life policy. Those employees not now insured but desiring the family coverage may enroll in the RBA Group Life plan at the same time they elect the family coverage. The amount of insurance on the family members and quarterly premium are determined by the salary and age of the employee.

The insurance is payable upon death from any cause with no limitations or exclusions and the employee is automatically beneficiary of the family insurance. There is no limit to the number of children in each family to be insured and birth of a child automatically provides coverage for the new

baby. Should an employee transfer or retire the conversion privilege contained in the basic policy is carried to the Family Coverage so that any or all of the family's insurance may be converted to individual policies. Should an insured employee die the dependents may elect to convert their insurance under the same provision of the policy.

Heflin announced that an enrollment drive will be conducted in October and early November. A brochure explaining the plan in detail and containing the necessary enrollment forms will be dis-

tributed to all employees in October.

HAIRCUTS
\$1.00

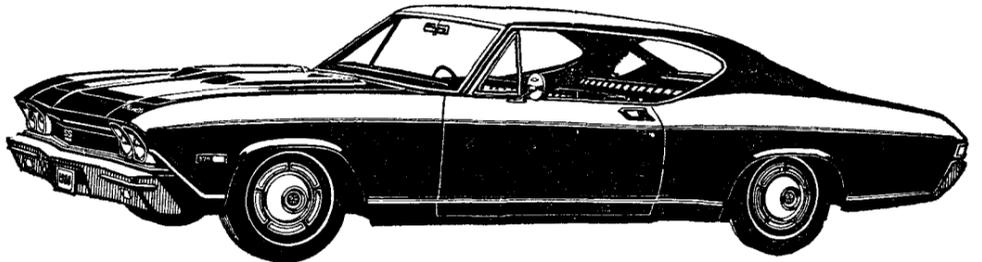
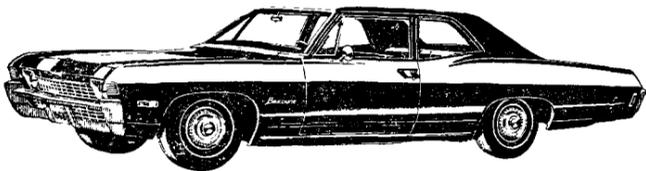
3 BARBERS TO SERVE YOU
Governors Drive Barber Shop
2901 Governors Dr., W.
6 Blocks West of Parkway
Open 8 a.m. to 8 p.m.
6 DAYS

IT'S HILL CHEVROLET'S PRICE BUSTING SALE

Last October We Sold 193 New Chevy Cars and 31 New Chevy Trucks for A Total of 224 Units!

NOW TO BEAT THAT RECORD We Know We Will Have To VOLUME SELL As Never Before!

THAT WE WILL DO! So, Fall Into A New '68 CHEVY DEAL THIS MONTH AT HILL'S !!



Full Size '68 Chevrolet

The All New SS-396 Chevy

FEATURING:

- V-8 Engine
- Power Glide
- Power Steering
- Push Button Radio

- Deluxe Heater
- WSW Tires
- Wheel Covers
- Factory Air Conditioned and All Factory Safety Equipment

FEATURES:

- 396 Cub. In. Engine
- Tinted Windshield
- Wheel Covers
- Red Ring Oval Tires

- Push Button Radio
- All Vinyl Interior
- And All Factory Safety Equipment.

Factory Suggested Price
\$3,600.80

HILL'S PRICE BUSTER

\$2,995.00

Factory Suggested Price
\$3,072.00

HILL'S PRICE BUSTER

\$2,733.00

AND MANY MORE BIG MONEY SAVERS!

SEE . . . The 1968 Model Auto Show now at the Mall . . . Sponsored by the New Car Dealers Association of Huntsville.

ONLY \$188 DOWN (With Approved Credit)

Price includes Federal Tax, Does Not Include Tag or Sales Tax.

Trade Where The Trades Are Being Made . . . **HILL'S . . . No. 1 Chevrolet Dealer In N. Alabama.**

HILL CHEVROLET COMPANY, INC.

CORNER OF WASHINGTON STREET & PRATT AVENUE, PHONE 539-6541, HUNTSVILLE, ALABAMA