

# The Redstone Rocket

Published by Jack W. Hoffhaus, a private individual, at Huntsville, Ala. Opinions expressed by the publisher 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. VII; NO. 47

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

APRIL 1, 1959

## ARGMA TESTS NIKE-ZEUS MOTOR

### Anti-Missile Booster Is Static-Fired Here

A Nike-Zeus missile developing several hundred thousand pounds of thrust was test fired at the Army Rocket and Guided Missile Agency Thursday.

Nike-Zeus is an anti-aircraft missile being developed by ARGMA.

Thursday's test was another in a series of research and development static firings being conducted at the Agency. The Zeus booster was designed and fabricated by the Redstone Division, Thiokol Chemical Corp.

The booster will be capable of hurling a defense missile to extremely high altitudes almost instantaneously.

Contractors for the Zeus system are Western Electric Co., Bell Laboratories, and Douglas Aircraft.

## ARGMA Installs New Method of Receiving, Sending Catalog Data

(Photo Inside)

A new method of transmitting and receiving Federal Catalog data has been installed in the Cataloging Branch, Field Service Division, ARGMA.

This branch catalogs all items under the logistic responsibility of AOMC. This includes, of course, the Redstone and Jupiter missiles.

The new system entails the use primarily of a "Flexowriter" and an eight-channel punched tape.

Items are cataloged by punching a series of holes in the tape. The tape is transferred by processing through a "Teledata" onto a magnetic tape. This magnetic tape is played over a toll Bell telephone line to the Armed Forces Supply Support Center, Washington, D. C., where it is received and processed back into punched tape. This punched tape is run through a reader on the "Flexowriter" which interprets and spells out the message.

### 800 Words a Minute

Approximately 800 words a minute can be transmitted to AFSSC for federal stock numbering, and messages received can be translated by the reader at approximately 700 words per minute. Items are returned via the same equipment in a reverse procedure.

Previously, mail and courier service has been utilized to transmit data, and obtain federal stock numbers. This meant compiling all necessary data, mailing or hand-carrying to AFSSC, and returning the same way. This was time-consuming and would not allow ARGMA to give the best possible support to the field.

Further, the new system eliminates (See ARGMA INSTALLS, Page 6)

## Colorful Events Slated for NATO Birthday Saturday

A downtown parade and a colorful international observance will highlight the celebration of the 10th anniversary of the North Atlantic Treaty Organization in Huntsville next Saturday (April 4th).

Walter V. Linde, chairman of the Chamber of Commerce's NATO Anniversary Committee, announced that the parade will begin at 10 a.m. while the formal observance will be held at 7:30 p.m. at Fort Raymond W. Jones Armory on South Memorial Parkway. Admission is free.

Of the total roster of 15 NATO countries, representatives of 12 will participate in the parade. Music will be provided by the 296th Army Band from Fort McClellan at Anniston. The marchers will follow the traditional route through the mid-town area, with Jim Davis serving as parade chairman.

### From OGMS Units

Men from Belgium, France, Germany, Greece, The Netherlands, and Turkey will be drawn from units studying at the Ordnance Guided Missile School, as (See COLORFUL on Page 2)

## Group From Arsenal Listed in 'Who's Who In Engineering'

Six Huntsville men have been named in the eighth edition of "Who's Who In Engineering" which is produced by the Advisory Committee of Engineers Joint Council.

Named were Roman Joseph Dombrow, a supervisory general engineer with ABMA; Gilford Godfrey Quarles, Chief Scientist for AOMC; Frank Ward James, an aeronautical research administrator with ARGMA; Donald Hugh Shenk, an aeronautical research engineer with ARGMA; Matthew Weber, Jr., an engineer on the research management staff at Thiokol; and Benton H. Wilcoxon, a chemical engineer with Olin Mathieson Chemical Co.

The seventh man selected, Richard Daniel Gerdes, who was employed at Redstone Arsenal, has been transferred to Philadelphia, Pa.

## 21,000 Rockets Now Being Distributed

Starting with today's paper, the number of Redstone Rockets available for distribution on the Arsenal will almost double.

A total of 21,000 papers—enough to insure a copy for each person—will be printed, instead of 12,000 as previously.

# AOMC Observes Its First Anniversary

## COL. KESSLER GETS AOMC STAFF POST

Col. Robert H. Kessler has been named assistant chief of staff for military applications and training at the Army Ordnance Missile Command.

Col. C. G. Patterson, who held the position formerly, has been assigned to Department of Army Headquarters at Washington, D. C., where he will serve as Deputy Director of Special Weapons in the Office, Chief of Research and Development.

Col. Kessler has been with the Missile Command for six months, serving as deputy to Col. Patterson. Prior to that he was deputy heilm and later with Headquarters (See COL. KESSLER on Page 2)

## 'ARMY COMBAT POWER' EXERCISE TO BE HELD HERE

A "map exercise depicting an Army Corps in limited atomic warfare will highlight a presentation to be held in the Redstone Auditorium Friday.

The secret exercise will be attended by 430 officers, reserve officers, and key civilians of the Army Ordnance Missile Command, the Army Ballistic Missile Agency, the Army Rocket and Guided Missile Agency, and Redstone Arsenal.

Twenty-one reservists from the Third Army area and the staff, faculty, and selected students from the Ordnance Guided Missile school will also attend the four-hour session, according to Lt. Col. Lester H. LeVine, chief of the Training Division, Military Applications and Training, AOMC, who is coordinating the presentation.

Entitled "Army Combat Power," the exercise is being presented by representatives of the Army Command and General Staff College, Ft. Leavenworth, Kan., to senior Army headquarters world-wide.

At the direction of the Army Chief of Staff, the exercise is designed to provide senior Army officers a clear picture of the impact of nuclear weapons and other developments on the battlefield. It will emphasize new tactical organizations, new tactics, deployment patterns, increased firepower, mobility, target acquisition, and combat surveillance capabilities.

The exercise has been so designed and organized as to permit a presentation of the employment of forces, the STRAC (Skilled, Tough, Ready Around the Clock) concept, and Army missile commands. At the conclusion of the exercise there will be a discussion period.

## IRE, Arsenal to Be Hosts to Students

Charles W. Parker student affairs chairman, has announced that the Huntsville Section of the Institute of Radio Engineers in co-operation with Redstone Arsenal, will play host to IRE student members of the Section from three universities on April 17.

A tour of Redstone Arsenal is planned during the day, and a dinner meeting is scheduled for the students in the evening.

Outstanding student awards will be made to students from Vanderbilt University, University of Alabama, and Mississippi State University. Winners of the awards will be announced later, Parker stated.

## Stamp Collectors Club Formation Eyed

Persons interested in organization of a stamp collectors club are invited to contact CWO George Weiser at ext. 5592 or (evenings) ext. 8349.

## Gen. Medaris Issues Statement on First Anniversary of AOMC

Following is a statement by Maj. Gen. J. B. Medaris, Commanding General of the Army Ordnance Missile Command, issued yesterday upon the first anniversary of the formation of AOMC:

"The Army Ordnance Missile Command is one year old today.

"When I assumed this Command, I said the objective was to permit the maximum and most effective utilization of all the resources available to the Army in the missile and space fields, and to create a closely knit inter-supporting and interrelated organization which would assure the attainment of that objective.

"The birth pains which have been experienced were inevitable to our progress. They are now behind us. We have moved far down the road towards achieving that single, integrated management which is essential to our goal. The results justify honest pride on the part of all the military and civilian personnel of the Command. They are a measure of the generous support given by all elements of the organization, and by other agencies of the Ordnance Corps, the Army and the Government which contribute to our programs. Our achievements have earned the nation's confidence and respect.

"As we carry on our assigned missions, let us be mindful that we exist for the purpose of doing the best we can, in the national interest, on anything within our capabilities, whether the primary purpose in any given instance is purely military, or scientific, or a combination of both.

"I am grateful to all of you for the progress we have made, and for the successes which have crowned our joint efforts."

## Bloodmobile Coming To Post Next Tuesday

The Red Cross Bloodmobile will visit Redstone Arsenal Tuesday, 7 April from 0830 - 1430 hours at the Post Gym, Bldg. 5663.

Donors are advised to eat a normal breakfast and lunch, according to Maj. Jessa A. Garner, Arsenal Bloodmobile publicity chairman.

## ELECTRONIC AIDS MAY CUT TRAINING TIME BY 1/3, OGMS OFFICIAL SAYS

New "space age" electronics devices show promise of cutting training time by one-third and may help relieve the critical shortage of teachers and schools, a missile educator believes.

Use of live closer-circuit television along with teleprompter and associated electronic group communications equipment enables students to learn more in less time and remember it longer, declares Dr. C. D. Leatherman, senior educational advisor at the Ordnance Guided Missile School.

Dr. Leatherman, whose position at the "Space Academy" corresponds to dean, suggests that financially pressed educational systems should make larger use of televised lessons originating from a central building and piped all over a city, county or state. The Missile School itself pioneered the use of closed-circuit television for space age education with long-distance telecasts to other training centers.

## ATTAINMENTS CITED ON BIRTHDAY

(Photos Inside)

Less than one year after the activation of the U. S. Army Ordnance Missile Command on March 31, 1958, a sleek Juno II rocket vehicle injected the Pioneer IV space probe into a trajectory at escape velocity so that it became the first "Made-in-the-USA" satellite of the Sun.

Yesterday, on the first anniversary of its activation, the Missile Command looked back on numerous other historic accomplishments in the fields of missiles and space.

A year ago yesterday, Maj. Gen. J. B. Medaris was designated as the first Commanding General of the new organization which embraces four subordinate elements.

### Agency Commanders

Brig. Gen. J. A. Barclay, became Commander, Army Ballistic Missile Agency; Brig. Gen. J. G. Shinkle, Commander, Army Rocket and Guided Missile Agency; and Col. K. T. O'Keefe, Commander, Redstone Arsenal. Maj. Gen. W. E. Laidlaw commands White Sands Missile Range, New Mexico.

Shortly after activation of the Missile Command, combat troops, trained with the ABMA-developed and fabricated Redstone, conducted the first firing of a large U. S. ballistic missile at Cape Canaveral, Fla. This was on May 16, 1958.

Two days later, the first successful recovery of a full-scale IRBM nose cone, launched by a Jupiter from the Cape, was effected with the assistance of the U. S. Navy.

### Explorer IV Launched

On July 22, ABMA successfully launched Explorer IV, a scientific earth satellite designed to conduct extensive investigation of radiation in space not previously attempted. (See AOMC on Page 10)

## Contract Awarded For Reservoir for ABMA Test Tower

The Chicago Bridge and Iron Company of Atlanta, Ga., has been awarded an Army contract amounting to \$84,700 for the construction of a booster pump station reservoir at Redstone Arsenal.

The Army District Engineer at Mobile, Ala., announced last week that the firm will build a million-gallon reservoir to supply the additional water needed at the main static test tower at the Army Ballistic Missile Agency, used for testing larger missiles.

The contractor is expected to start construction early in April and to complete it ready for use by the end of September.

## Redstone Proves Right to 'Old Reliable' Tag

Missilemen put a lot of emphasis on reliability, for they know a missile isn't worth its salt unless it can be depended upon.

Here's a recent, spectacular example of what has come to be expected of Army missiles. For nearly a year an "Old Reliable" Redstone engine was subjected to:

- ★ 119-degree desert heat and wind-driven sand.
- ★ Humidity and fungus attacks.
- ★ Minus-44 degree chill of the far North.

Following all of this, the engine successfully passed a full-duration hot static firing at White Sands Missile Range last month.

This marathon testing of the Redstone engine was conducted jointly by Rocketdyne Division, North American Aviation; the Army Ballistic Missile Agency; and Chrysler Corporation Missile Division. Rocketdyne produces the Redstone engine. The missile was developed by ABMA and is produced by Chrysler.

The engine's reliability testing included subjection to 10 months of desert and arctic zone weather near Yuma, Ariz., and at Ft. Churchill, Canada. The temperature spread was 163 degrees.

# The Redstone Rocket

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## NATO Nations Mark 10th Year of Alliance

(By Armed Forces Press Service)

The North Atlantic Treaty Organization (NATO), an alliance of 15 free nations to protect themselves against Communist aggression, marks its 10th year on April 4.

In 1949, against a background of increasing world-wide Communist political hunching, the U. S. and 11 other nations formed NATO.

The other charter members are Canada, Belgium, Denmark, France, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal and the United Kingdom.

Greece and Turkey joined the alliance in February 1952 and West Germany brought NATO membership to 15 in May 1955.

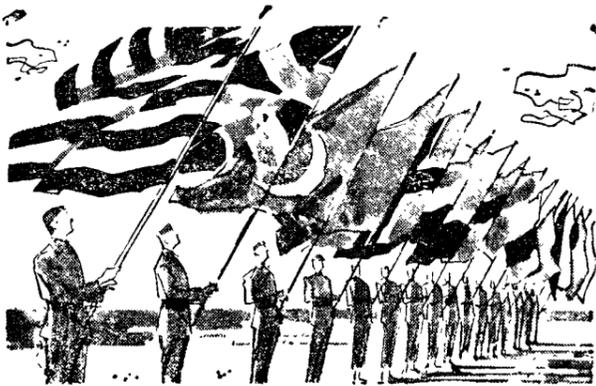
The creation of NATO did not violate any of the principles of the United Nations nor did it require that a member sacrifice any of its national sovereignty.

Though primarily a military alliance, its great purpose is peace, not war. The members have pledged that they will regard an armed attack upon any one of them as an armed attack upon all.

The military task of NATO is to defend a line which runs halfway across the world, from the Aleutians to the Middle East. In Europe, the line stretches for 4,000 miles from the northern tip of Norway to the eastern edge of Turkey.

To date all commanders-in-chief of NATO have been U. S. generals. The first was Gen. Eisenhower and he was followed by Gens. Matthew Ridgway, Alfred Gruenther and Lauris Norstad, its present commander.

### N-A-T-O



#### WHAT is NATO?

It stands for North Atlantic Treaty Organization, an alliance of 15 free nations, including the United States, which have banded together to protect themselves against aggression.

These nations are Belgium, Canada, Denmark, France, Germany, Greece, Iceland, Italy, Luxembourg, Netherlands, Norway, Portugal, Turkey, the United Kingdom and the United States.

Spells Peace

## NETHERLANDS DIPLOMAT TO SPEAK AT U. OF ALA. SEMINAR; PART OF NATO BIRTHDAY CELEBRATION

The Honorable Jonkheer de Ranitz, deputy permanent representative for the Netherlands on the North Atlantic Council, will be the guest speaker at a special University of Ala. Seminar to be held on April 8 at 8 p.m. in the Huntsville City Council Chamber.

"Western Europe and NATO," will be the topic of the de Ranitz lecture which will be free and open to the public. This event is sponsored by the University of Alabama, Huntsville Center, as a part of Huntsville's celebration of the tenth anniversary of the formation of the North Atlantic Treaty Organization.

De Ranitz, who is currently touring in the United States, holds the rank of Minister Plenipotentiary in the Netherlands government. He was born in 1915 at The Hague and was educated at Leyden University. In 1940, he joined the Netherlands Foreign Service, and from 1945 to 1954, he was successively posted at Cambera, Djakarta, Bern, and Cairo. From 1954 until 1957, he was Deputy Director of the NATO and WEU Department of the Ministry of Foreign Affairs at The Hague. Since 1957, he has served in his present position.

From Huntsville, de Ranitz will go to Tuscaloosa where he will appear before a faculty luncheon and on an Education Television program. On April 9, he will lecture in Jasper, Ala. On the following day, he will leave from Birmingham on his return flight to The Hague.

Current Affairs Seminar member and officials of OGMC connected with the training of NATO groups will be special guests at the meeting.

Reavis O'Neal, Jr., Public Information Officer at OGMS, will serve as moderator for the session, and Capt. Stephanus Van Dam, Netherlands liaison officer, will introduce the guests speaker.

### Col. Kessler

(Continued From Page 1)

ters, Seventh Army at Stuttgart. Col. Kessler is the son of Mrs. Charlotte C. Kessler of 2921 Washington St., San Francisco, Calif., and the late Col. P. M. Kessler, president of the U. S. Army Air Defense Board at Ft. Bliss, Tex., a position he held for three years.

He entered the Army in July 1932 and was graduated from the U. S. Military Academy in 1936. He served in the Pacific Theater during World War II, receiving the Philippine Republic Military Merit Medal in 1945.

In 1949 he received a master's degree in electrical engineering



JONKHEER DE RANITZ

### Colorful

(Continued from Page 1)

will detachments of U. S. troops commanded by Lt. Col. Claude E. Cason and Maj. James A. Shaw. Detachment A of the OGMS School Troops will supply honor guards for the Allied colors.

Great Britain and Canada will be represented by officers and men stationed at the Army Rocket and Guided Missile Agency under their senior officers, Col. J. B. G. Britton and Maj. John E. Cary.

Men from Italy, Norway, and Denmark, whose first classes have already completed training at OGMS, are coming from the Army Infantry Center at Fort Benning, Ga., to complete the roster.

Linde said the parade and evening program will give local residents a first opportunity to see the varied uniforms and flags of the nation's NATO allies in one group.

### Evening Program

Thomas A. Jones, Jay Fryman of the Huntsville Little Theater, Buzz Busbin, and Leon Van Leeuwen are staging the evening program at the Armory which is expected to be attended by top commanders of Redstone Arsenal agencies and heads of the city and

from the University of Pennsylvania and was assigned for the next three years with the U. S. Army Air Defense School at Ft. Bliss.

Prior to his assignment with the U. S. Air Defense Board in 1955, he was stationed in Germany for three years, first as commanding officer of the 1st Anti-aircraft Artillery Group at Mann-



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## RSA Groups Finish Courses in First Aid Given by Red Cross

Several employees of Rohm and Haas Co. recently finished the Standard Course in Red Cross First Aid and received certificates. James A. Curtis was the instructor.

The following got certificates: Ernest H. Bowling, Thomas B. Cobb, Raymond L. Davidson, James W. Edwards, William F. Hornbuckle, Obadiah Johnson, Hoyt M. Kerley, Marcus E. McAnally, Charles A. Nolen, and Clarence L. Stidger.

Eight Redstone Arsenal ladies also finished course. This number included six military dependents — Mrs. J. M. Bishop, Mrs. W. H. Carver, Mrs. R. H. Granger, Mrs. David Robinson, Mrs. C. W. Tobin, and Mrs. G. M. Van Keuren — and two civilian employees — Mrs. J. D. Ewing and Mrs. J. E. Lynn.

Corrie Knight was the instructor.

county governments.

Highlights already arranged include a band concert, reading of a special message from President Eisenhower, a response by Mayor R. B. Searcy of Huntsville, showing of a NATO film, an address by Col. H. S. Newhall, OGMS Commandant, and the world premiere of a proposed NATO anthem written by OGMS students.

The most spectacular event of the program is expected to be the massing of the U. S. and NATO flags as 16 young ladies of Huntsville, chosen by the Allied troops as their sponsors, gather on the stage with representatives of each country and the U. S. honor guard.

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# Photos Review Some of AOMC's 1st Year Events



**ABMA LAUNCH FACILITY**—The unique double exposure photo above shows the entrance to Pad 56 of ABMA's Missile Firing Laboratory at Cape Canaveral, Fla., where the Juno II vehicle, at right, injected the Pioneer IV space probe into a trajectory at escape velocity so that it became the first "Made-in-the USA" satellite of the Sun.



**SECRETARY OF ARMY Wilber M. Brucker** and his aides visited the Missile Command in September. Here Maj. Gen. J. B. Medaris chats with Secretary Brucker and new Army Chief of Staff Gen. Lyman L. Lemnitzer. (at Brucker's right).



**FIRST TACTICAL JUPITER IRBM** was delivered to the U. S. Air Force and accepted by the 864th Strategic Missile Squadron. Maj. Gen. D. F. Callahan (above), Commander, Mobile Air Materiel Area, was presented a model of the missile by ABMA officials.

## Girl Scout Troop 141 Has Father-Daughter Cook-out at Camp

Girl Scout Troop 141, Redstone Arsenal, held at Father - Daughter Cook-out on their troop campsite recently.

Fathers came equipped with carpentry tools and the girls with food and cooking equipment. Following the opening Flag Ceremony at 9:45 a.m. the girls set up and cooked dinner while their fathers started work on tent platforms for the camp site.

Before the closing Flag Ceremony and songs at 3 p.m. there were two tent platforms on each of the three patrol sites and one for the troop leaders, Mrs. Robert S. Kinch and Mrs. Duke Ketteringham.

The dinner of campfire stew, salad, garlic bread, and pineapple upside downcake was enjoyed by

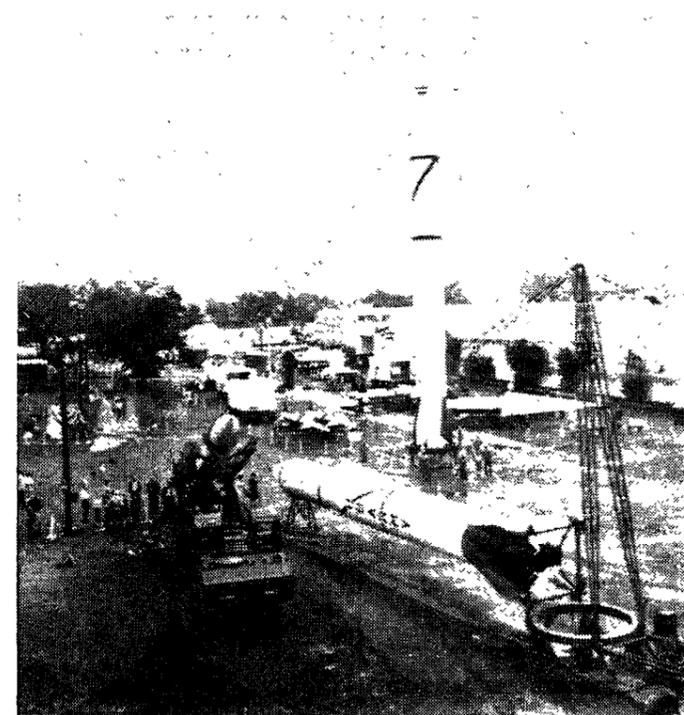
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**REPRESENTATIVES OF THE HOUSE Committee on Science and Astronautics** were presented a graphic memento during their February visit here: "Research is like saving—if postponed until needed, it is too late to start." Rep. Overton Brooks (D.-La.) heads the House group.



**AGENCIES OF THE MISSILE COMMAND** exhibited the Army's major missiles and space vehicles at the Alabama State Fair held in late September in Birmingham.



**ON NOVEMBER 24TH** the Army Ordnance Missile Command headquarters was established in Bldg. 4505 at Redstone Arsenal. Here office desks are being moved into the new headquarters.

## Chemists to Discuss Schools at Meeting

The meeting of the Alabama Chapter of the American Institute of Chemists tomorrow night will feature a panel discussion on "Schools and the Chemist."

The meeting to be held at Dale's Restaurant in Huntsville beginning at 6 p.m. will include a social hour and dinner in addition to the panel program.

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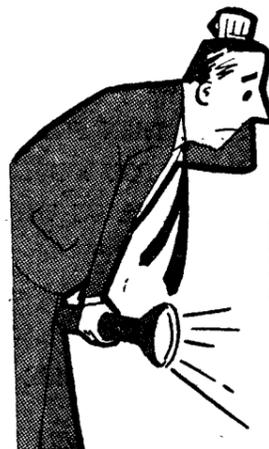
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all Girls and fathers who participated were: Donna and Lt. Col. Windsor T. Anderson; Kathey and Lt. Col. Lewis M. Anderson;

Valerie Black; Susan Daires; Karen and Lt. Col. Merle Johnson; Diane, M-Sgt. and Mrs. Harry Keever; Daphne, M-Sgt. Duke Ketteringham; Jane, Mr. and Mrs. Robert Kinch; Diane Lehtonen; Janet and Maj. Marvin Parker; Nancy and Maj. R. G. Shircliff; Ginger and CWO John Stensby; Karen and Lt. Col. Kenneth Waugh; Sharon Whalen; Elizabeth and Maj. Michael Chessnoe.



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# Social News

## At the Service Club

A "Manhattan Rendezvous" to play with the Glen Slayton Orchestra playing was enjoyed by everyone on Tuesday night. The backdrop on the stage in the lounge was designed and lighted by Bill Hudley and Fred Wirth. Art Jorgenson and Al Amatulle were the artists that created this famous scene.

The pool team will meet at 7 p.m. tomorrow. Come by the Service Club office and make plans

Liz Hale, president of the Huntsville Jr. Hostesses, will call the Junior hostess meeting to order on Monday, April 6, at 7:15 p.m. We would like to invite all girls interested in participating in the Sevhice Club events to attend this meeting.

Ray Pisani starts three new dance classes on Wednesday, April 8—foxtrot at 7:30, rumba at 8:15, and advanced dance class at 9 p.m.

"The Green Bay Packers Pigskin Parade" will be shown at 6:30 p.m. in the TV room on Thursday, April 9. The film includes scenes of the Packer-Steelers tilt (Green Bay 27, Pittsburgh 10), the Packers - 49'ers thriller which saw Green Bay come within an eyelash of winning, the Packer-Giant dog-fight, and Green Bay's win over Baltimore. The Baltimore fracas features Green Bay's Frank Meriwell finish which saw Babe Parilli throw a 75-yard touchdown pass to Bill Howton in the closing seconds to clinch victory.

The Huntsville Junior Hostesses invite you to attend their record dance on Friday, April 10, at 8 p.m. at the Service Club lounge.

The tour to Birmingham on April 11 will leave at 12:20 p.m. The Birmingham hostesses will accompany the group to Vulcan Park, Lane Park Zoo, and end the tour with a picnic at Fair Park. Make your reservations at the Service Club office.

The Milton Cummings' ante-

## Bridge Results Given

The Redstone Arsenal Officers Wives Bridge Group met Thursday for weekly competition with the following results:

Duplicate, 5 tables, Howell, movement, first, Mrs. Thomas Wood and Mrs. Thomas Reed; second, Mrs. L. L. DeNoya and Mrs. J. J. Fagan; third, Mrs. George Pickering and Mrs. Norman Ricker.

Party Bridge, 4 tables, Mrs. William Nelson; second, Mrs. Victor Pianta; low Mrs. J. J. Smith.

bellum home once owned by a bachelor, Samuel Moore, was the setting for a reception in 1892 honoring a prize cow, Lily Flagg. Hundreds of dollars were spent on a 50-foot square dancing platform and the first electric lighting system in this section of the country. The Cummings home was built in the 1850's. All woodwork is walnut and is put together with wooden pegs. Marble mantles, two spiral staircases, a wine cellar, and a tower on the roof are a few of the many interesting things to note when visiting this home on May 3 with the Service Club Tour.  
BARBARA

## STORE HOURS

Monday	9:00-5:00
Tuesday	9:00-5:00
Wednesday	9:00-5:00
Thursday	9:00-5:00
Friday	9:00-5:00
Saturday	9:00-5:00
Sunday	9:00-5:00



COMMISSARY ENLARGED — Col. Keith T. O'Keefe (right), Redstone Arsenal Commander, cuts ribbon to open addition to Redstone Army Commissary. At left is J. C. Bryan, Commissary Officer. New 60-foot addition provides 75 per cent more sales area, giving total of 7,000 square feet, 60 per cent more shelving, wider aisles, and one checkout lane (making total of six), with a seventh checkout slated to be installed later. The meat market was converted from clerk to self-service with addition of 100 per cent more cutting room and display area. Display area in produce, dairy, and frozen food sections

was doubled, and reach-in milk case with sliding glass doors added. "New look" in commissary is shown in photo below.



## Redstone Chapter Of Sojourners Hears Speech on Education

The March meeting of the National Sojourners, Redstone Chapter 353, was held last Friday night at the Squirrel Hill Officers' Club.

Following a dinner, Col. Thurston T. Paul, Jr. Deputy Commander of ABMA, introduced the guest speaker, Dr. Raymond A. Christian, superintendent of the Huntsville City Schools. Dr. Christian's talk concerned the progress, problems, and growth of the Huntsville City Schools.

After his presentation, Dr

Christian answered questions helpful to Sojourner school supply and equipment projects.

The membership transfer of Col. Charles J. Payne, Maj. Robert J. Mann, and CWO Chandler M. Whalen to Redstone Chapter 353 was accepted. Maj. Oliver O. Putman was initiated and became a new member.

Two Sojourner usher teams for the RSA Post Chapter have been organized, and began serving Easter morning. A team of nine Sojourners participating in the

Palm Sunday Shrine Drive for crippled children collected approximately 300 dollars.

The regular time for National Sojourner Redstone Chapter 353 meetings will hereafter be the first Friday of each month beginning with the month of May. The next meeting will be held Friday, May 1.

"Why is a date on a moonlight night like the third degree?" "Because it makes a man want to say things he knows he is going to regret."

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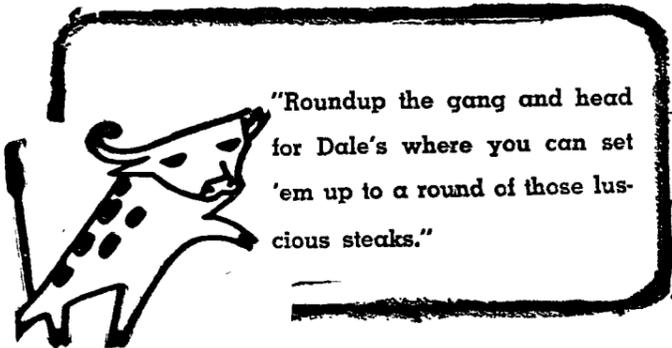
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LT. CONRAD C. EGE

### LT. CONRAD EGE SERVES AS AIDE TO GEN. BARCLAY

First Lieutenant Conrad C. Ege has recently been assigned as Aide-de-Camp to Brig. Gen. J. A. Barclay, Commander of the Army Ballistic Missile Agency.

Lt. Ege was formerly an Army flight training student with the 82nd Airborne Division at Ft. Bragg, N.C.

He entered the Army in June 1956 upon graduation from the U. S. Military Academy and completed the Basic Infantry Officers Course, Airborne Course and Ranger Course at Ft. Benning, Ga.

Lt. and Mrs. Ege have two daughters, Jennifer Lynn, 20 months, and Mary Catherine, 4 months.

Lt. Ege's father, Col. Charles



ARSENAL EGG HUNT PRIZE WINNERS—Youngsters who won prizes in the annual Easter egg hunt held at Redstone Arsenal last Saturday for dependents of military personnel are shown above. Adults pictured are Maj. James H. Goewey (left), post chaplain, and M-Sgt. Howard Wynn, who assisted in carrying out the event, sponsored by the Redstone Joint Activities Council. Children are (left to right, back row), Nicky Pisa, Nickie Stooke, Ann Johnson, Garry Beatty, John Mitchell, Donnie Crabtree, Shelly Wagner, Michael Cameron, Mark Cahoon, Thomas McGraw, Jay Washburn, Sandy Dunham. Front row: Esmootik Lale Unoyal, Terry Steffens, Mary Jane Gilliam, Evelyn Judith, George White, Douglas French, Glenn Engledew, Jimmy Shelton, Kathy Poindexter. Sitting in front is Dale Martel.



BEN B. SWORDS

### Ben B. Swords Is 'Safety Supervisor'

Ben. B. Swords, foreman of the Ground Equipment Wiring Shop, Electrical Equip. Section, Guidance & Control Laboratory, ABMA, has been selected as "Safety Supervisor of the Week."

"This is a title well deserved by him, not just for this week but for all the weeks he has been an employee on the Arsenal," RSA Safety Division officials stated.

Swords began working at the Arsenal on 2 November 1950 as an electrician and was promoted to the position of foreman in

C. Ege, is Chief of the Wisconsin U.S. Military District at Milwaukee.

### Mrs. Leatherman To Compete in Toastmistress Contest

Mrs. C. D. Leatherman will represent the Alabama Toastmistress Clubs in the four-state Toastmistress Council Speech Contest

January 1952.

He has been driving to and from Albertville, about 60 miles away, every day since 1950 and has had no accidents. In 1954 his name was submitted to the "Courteous Driver Committee" for consideration as Redstone's Courteous Driver. Although not selected, he was given recognition for his courteous acts on the highway.

Swords has 18 men working for him and there have been no lost-time accidents the entire time he has been foreman. The shop and the section have compiled a record of working 1,680 working days without a lost-time injury.

In May 1957 he was presented a letter of commendation from the Safety Office for his contribution to the "Accident Prevention Program" in which he was chairman of the Ground Electrical Network Section Safety Committee.

to be held in the Patton Hotel in Chattanooga on April 4th.

She will compete in the extemporaneous speech contest with winners from Georgia, Western Tennessee, and Western North Carolina. She is the Charter president of the Huntsville Toastmistress Club. Mrs. Leatherman won the all-

Alabama Speech Contest held in Birmingham on March 14th,

speaking extemporaneously in the subject given to her, "America, The Land of the Ulcers."

Mrs. C. D. Leatherman is the wife of Dr. C. D. Leatherman, adviser to the Ordnance Guided Missile School.

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Always, we strive to make each funeral spray, wreath, blanket or floral piece we design worthy to serve as a loving tribute.

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MILK gives you a  
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Enjoy a "milk break" any time. Milk is so refreshing . . . so full of food values for health and pep. A real taste-treat, too . . . delicious plain or flavored!

Meadow Gold DAIRIES

601 W. CLINTON ST. Phone JE 2-8464 HUNTSVILLE

## YES, It's That Time Again —

GRASS CUTTING TIME — WE MEAN  
**SO** GET OUT THE OLD LAWN MOWER AND LET  
US GET IT IN GOOD REPAIR FOR YOU — OR,  
BETTER STILL . . .

SELECT A BRAND NEW ONE FROM OUR STOCK!

### SPECIAL

PICNIC CHESTS Regular \$8.25 Value ----- \$7.50

CHARCOAL GRILLS Regular \$9.25 Value --- \$7.78

VISIT ROYAL AUTO REGULARLY — WE CAN SAVE  
YOU MONEY ON MANY ITEMS FOR THE HOME OR  
CAR.

## ROYAL AUTO STORE

DOWNTOWN HUNTSVILLE

121 Holmes Ave., N. W.

JE 6-1308



**NEW ARGMA EQUIPMENT**—Marvin Hess operates ARGMA's new equipment for transmitting and receiving Federal Catalog data, as Robert E. Mendenhall (center) and Howard Crumrine look on. Crumrine is chief of the Cataloging Branch. Mendenhall is chief of the Branch's Special Projects Unit.

**ARGMA Installs**

(Continued From Page 1)

nates any transmittal letters, multilith plates, and EAM products as were transferred under the old system. These products are now produced automatically at each end by various machines employed in the program.

**Objective of System**

The objective of this system is for AFSSC to receive, review, screen, federal stock number, and release all items in 72 hours plus actual transmitting time—compared with approximately 44 days under the old system.

Rapid wire transmission will eventually be available to all cataloging activities, in all services, which will make transmission be-

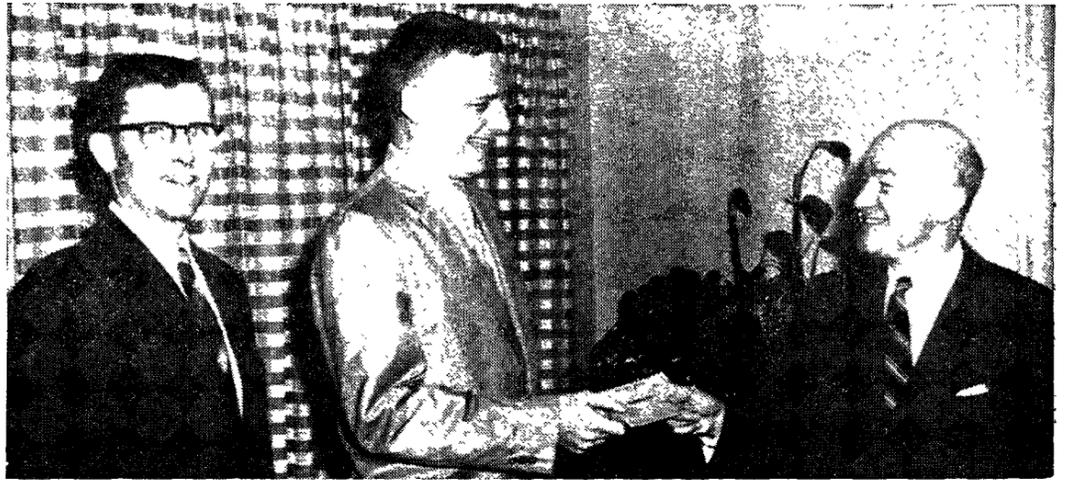
tween agencies possible and thereby cut present lateral transmission time.

Presently Redstone Arsenal has the only Recorded Carrier Service in the state of Alabama.

Its receiving this service in advance of other activities was due to its workload and the need for faster action on missile type supply items in order to fully support deployed field units in a timely manner.

Speaker: "The young man of today has to watch for golden opportunities."

Voice from the rear: "The red-headed and brunette opportunities aren't bad either."



**THIHKOL'S MONTE KORB RECEIVES PATENT APPLICATION CHECK** — Monte Korb, (center), Chief of the Design Section of the Rocket Engineering Department at Thiokol Chemical Corp., is shown receiving a patent application award check from Dr. W. M. Mebane (right), Redstone Division General Manager. At left is John Traynor, Patent Coordinator. Korb's patent application was for a Variable Thrust Nozzle for use with solid propellant rocket motors.

**Special Services Activities**

**POST SERVICE CLUB OPERATING HOURS**

Monday thru Saturday 1000-2200.  
Sunday and Holidays 0900-2200.  
**LIBRARY OPERATING HOURS**  
Monday thru Friday 0900-2200.  
Saturday and Holidays 1000-2200.  
Sunday 1200-2200

**RSA MIXED BOWLING LEAGUE**

(As of 23 Mar.)

	Won	Lost
Peapickers	142½	64½
Bombers	124	83
Hi-Counts	116½	90½
Pindroppers	104	103
Bowlweevils	95½	111½
D-Yanks	90½	116½
Blindmice	80	127
Holyrollers	76	131

200 Games, Men: Devine 200, Benito 203, Thompson 213, Kloos 218, Hess 214-203, Usinger 203.  
180 Games, Women: Tieman 228.

**NEW CRAFTS SHOP OPERATING HOURS (Effective April 5):**

Monday—1000-2200  
Saturday and Holidays—0800-1630.  
Sunday—CLOSED.

**RSA BOWLING LANES OPERATING HOURS**

Mon., Wed., and Sun., 1300-2300.  
Tues., Thurs., Sat., Hol., 1000-2300.

Friday 0900-2300.

League Play:  
Friday 0900-1115, 1600-1715 and 2000-2300.

Monday thru Thursday 1600-1715 and 1745-2300.

**GOLF DRIVING AND ARCHERY RANGE OPERATING HOURS**

Sun thru Sat., 1300-1830.

**POST GYMNASIUM OPERATING HOURS**

Monday thru Friday 1030-2130

Saturday 0930-1700

Sun. — 1300-1600.

The Gym will be reserved for ladies of the post Tuesday, Wednesday and Thursday mornings from 0915-1115 hours.

READ THE WANTADS

**Party Bridge Results**

Results of party bridge competition at the Officers Club Monday night, March 23, were as follows:

Ladies: high, Mrs. Virginia Middleton; second, Mrs. Robert Granger; low, Mrs. Ben Keyserling.

Men: high, Fred Ellis; second CWO Andrew Garrabrane; low Ben Keyserling.

Hostesses for the evening were Mr. and Mrs. Garrabrant.

**WRECKER SERVICE**

In case of an accident ask for our new wrecker. Courteous operator, reasonable charges. Day Phone JE 4-4561, nights JE 4-0808.

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**HOBBIES**

COMPLETE LINE OF:

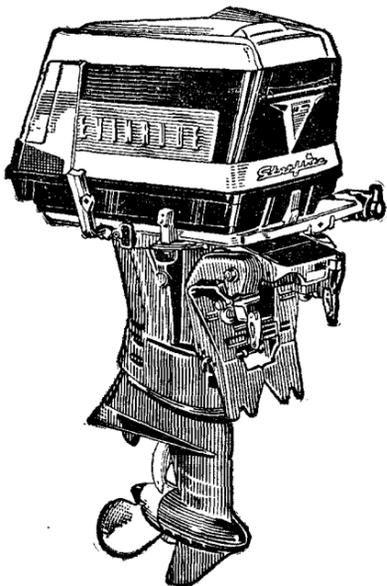
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PAINTINGS — STAMPS — PAINTS  
Accessories for Trains and Planes

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Sundays 'til 5 p.m.

**SEE! The Breath-Taking New Evinrude Motors**



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**DELUXE ONE PIECE "Quality" OUTDOOR TABLE**

**BIG 72 INCHES WIDE SEATS 8 ADULTS**

**LIGHT WEIGHT BUT STRONG!**

**WILL NOT TILT OVER SAFE FOR CHILDREN**

**WILL NOT ROT OR SAG!**

**\$34.95**  
\$1.00 Down Delivers

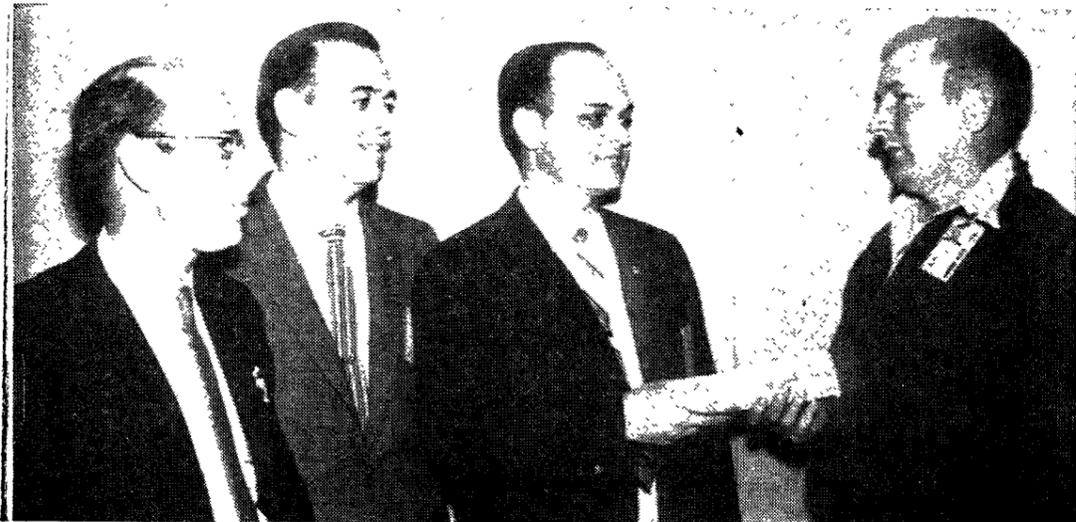
**TABLE AND BENCHES BUILT TOGETHER IN SINGLE UNIT**

TOP and SEAT OF CALIFORNIA RED CEDAR... To GIVE YEARS, YEARS, and YEARS of SERVICE!  
LEGS of HIGH STRENGTH SQUARE ZINC-GRIP TUBING PERMANENTLY WEATHERPROOF

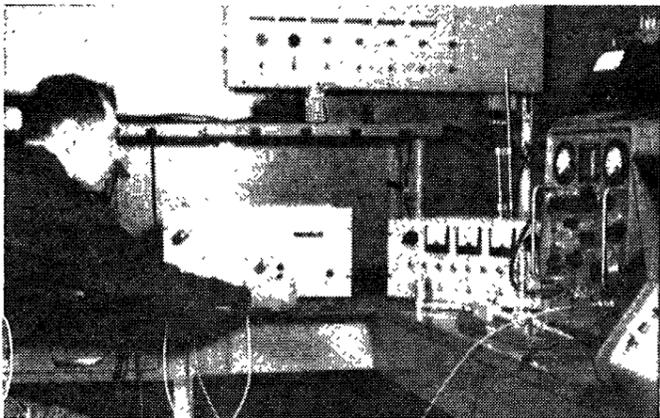
*Ideal for YARD · PARK · CAMP · CLUB or KITCHEN!*

IT COSTS LESS AT—  
**Sterchi's**  
THE SOUTH'S LARGEST HOME FURNISHERS

North Alabama's Largest Furniture Store  
HUNTSVILLE - JE 2-5881  
FAYETTEVILLE



**AFGE ASSISTS FIRE VICTIM**—E. L. Lowther (second from right), president of Redstone Arsenal Lodge 1858, American Federation of Government Employees, hands an envelope containing \$131 from the AFGE Lodge to Robert P. Steadham (right), of Redstone Arsenal's Depot Operations (Ammunition Branch), whose home in Morgan City was recently destroyed by fire. Looking on are J. E. Holland, assistant vice-president of the Lodge, and R. L. Bradford, executive vice-president. Twenty-five dollars was contributed from the Lodge treasury and the remaining \$106 was donated by Lodge members at their last meeting.



**NEW TYPE AMPLIFIER**—Leslie J. Thomas, an electronics engineer in the Radio Frequency Development Section of ABMA's Guidance and Control Laboratory, prepares a laboratory setup for making noise figure measurements on a new low-noise parametric amplifier. This instrument, known to electronic scientists as a "fast wave parametric amplifier," operates on a different principle from the one employed in G&C Lab's Monte Sano tracking station for tracking Pioneer IV out to 200,000 miles, Lab officials said.

**Air Explorer Scouts Take Ft. Rucker Tour**

Members of 234 Air Explorer Scout Squadron, Redstone Arsenal, were guests of Ft. Rucker, Ala., Saturday for an orientation tour of the Army Aviation Center.

At Rucker the scouts were given rides in the Army's H-37 helicopters. They were flown to and from the South Alabama base by the Air Force in a C-47.

Scouts making the trip included: John Zierdt, Bob Denny, Jack Dempsey, Bill Grimes, Romeo Arango, Ken Clardy, Billy Poindexter, Richard Kloos, Tom Delamater, Bill Cowan and Mike Murray. CWO Robert Somerville, as-

**Safety Scoreboard**

(As of 30 Mar.)

Days since last civilian disabling injury	29
Our Goal	30
Days since last military disabling injury	3
Our Goal	30
Days since last contractor personnel disabling injury	113
Our Goal	150
Days since last government motor vehicle accident	5
Our Goal	30

**DRIVING RECORD (Government Vehicles)**  
(As of 30 Mar.)

Organization	No. Accidents (1959)	Days Since Last MV Accident
Transportation Div. (RSA)	3	9
Post Engineer Div. (RSA)	7	43
Provost Marshal Div. (RSA)	4	6
Depot Operations (RSA)	7	20
All Other RSA	1	42
Thiokol (ARGMA)	2	23
All Other ARGMA	2	10
OGMS	6	4
ABMA	1	32

stant adjutant of Redstone Arsenal, and Pfc. Jack Dunn of OGMS were in charge of the group. Air Force crewmen for the trip were Maj. L. Sims, Maj. W. Clift, and S-Sgt. J. Sisson.

Monday 1315, 1745 and 1945. Tuesday, 7 Apr., "The Young Land" starring Pat Wayne, Yvonne Craig and Dennis Hopper. Time 1745 and 1945. NO MATINEE.

**WOODY'S DRIVE-IN**

OPEN 6:15 - START 6:45

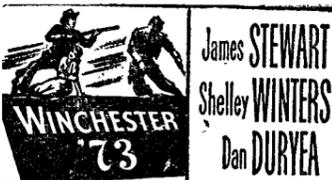
THURSDAY & FRIDAY



Plus



Saturday Triple Feature



Plus



plus



4 Days — Starting Sunday



The young man was fascinated by the strapless evening gown worn by his beautiful date. "What holds it up?" the young man asked. "Gravity," was the immediate response. "Gravity?" "Yes," she said. "The gravity of what will happen if it should fall."

**WHITESBURG DRIVE-IN**

LAST TIMES TONIGHT



**BOMBERS B-52**



THURSDAY & FRIDAY



SATURDAY



Plus

Fascinating... but Fearsome!



SUNDAY & MONDAY



TUESDAY & WEDNESDAY



Plus



**Movie Schedule**

Wednesday, 1 Apr., "Home Before Dark" starring Jean Simmons, Dan O'Herlihy, and Rhonda Fleming. Time 1315, 1745 and 1945.

Thursday and Friday, 2 and 3 Apr., "The Tempest" starring Van Heflin, Silvano Mangano and Viveca Lindfors. Time 1315, 1745 and 1945.

Saturday, 4 Apr., SPECIAL MATINEE, "The Adventures of Omar Khayyam" starring Cornel Wilde, Derba Paget and John

Derek. Time 1000. Saturday, 4 Apr., "Island of Lost Women" starring Jeff Richards and Veneta Stevenson. Time 1745 and 1945.

Sunday and Monday, 5 and 6 Apr., "Al Capone" starring Rod Steiger and Fay Spain. Time Sunday 1400, 1745 and 1945; time

**GRAND THEATRE**

THURSDAY & FRIDAY



SATURDAY



Plus



SUN., MON., TUES., WED.



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**PARKWAY**  
Wednesday, Thursday,  
**FRED MacMURRAY** — **MAGGIE HAYES**  
**'GOOD DAY FOR A HANGING'**  
FRIDAY & SATURDAY  
**THE RESTLESS BREED**  
SCOTT BRADY - ANNE BANCROFT  
Plus  
starring **RICHARD EGAN** **DEBRA PAGET**  
and introducing **ELVIS PRESLEY**  
**LOVE ME TENDER**  
STARTS SUNDAY  
**"THE LAST HURRAH"**



**COL. PATTERSON CITED** — Col. Charles G. Patterson (right) receives the First Oak Leaf Cluster to the Army Commendation Ribbon with Metal Pendant for meritorious service as Assistant Chief of Staff (Military Applications and Training), Army Ordnance Missile Command. Pinning on the decoration is Maj. Gen. J. B. Medaris, AOMC Commanding General. Col. Patterson left last week for a new assignment in Dept. of Army Headquarters, Washington, D. C., where he will serve as Deputy Director of Special Weapons in the Office, Chief of Research and Development.

**Col. Patterson's Orchids Transfer Too**

When Col. Charles G. Patterson left the Arsenal last week for his new assignment in Washington, D. C., his household effects included some rather unusual

items—his collection of 70 prize potted orchids.

Raising orchids has been the hobby of the former AOMC Assistant Chief of Staff (Military Applications and Training) for the past 25 years. He's grown them in the Philippines, Panama Canal Zone, and Austria, as well as at posts throughout the U. S. When the flowers bloom, he gives them to lucky friends.

Moving his orchid collection presented no problem for the colonel. He simply packed the 70 pot in boxes in the back of his station wagon—and took a sprinkling can to water them along the way.

**Births at Post Hospital**

Jeffrey Wayne Swanson, 8 lbs. 2 ozs., 14 March, son of SP-4 and Mrs. Wayne A. Swanson.

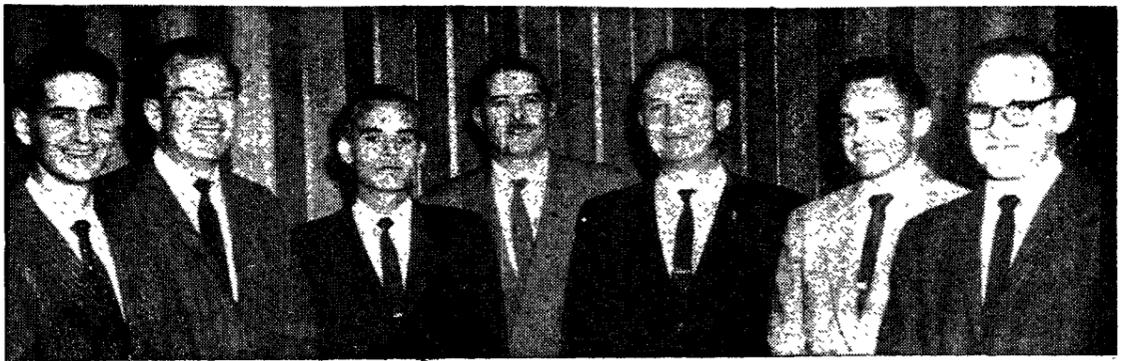
Susan Dileema Lee, 8 lbs. 3½ ozs., 16 March, daughter of M-Sgt. and Mrs. William W. Lee.

Darrell Glenn Kirk, 7 lbs. 11 ozs., 22 March, son of Mr. and Mrs. Sidney J. Kirk.

Warren Eugene Talaska, 8 lbs. 15½ ozs., 16 March, son of MM-1 and Mrs. Robert J. Talaska.

**U. S. TIRE SERVICE**

For **U. S. TIRES** And Fully Guaranteed **COMPLETE RECAPPING SERVICE** Located Across From Butler High School **DIAL JE 2-5312**



**ENGINEERS ELECT OFFICERS**—Shown above are recently elected officers of the Northeast Alabama Chapter, Alabama Professional Engineers, National Society of Professional Engineers. Left to right: David H. James, Chapter Director; Ray C. Roberts, State Board Director; William R. Henry, Vice-President; Cecil E. Hammett, President; Paschal E. (Pete) Redding, Secretary-Treasurer; Harrison F. Rees, Chapter Director; William L. Grafton, Chapter Director; Jim Fitzpatrick, Chapter Director, was absent when photo was made.



Buy a Case of **Budweiser** KING OF BEERS **TURNER BEVERAGE CO.** HUNTSVILLE, ALA.

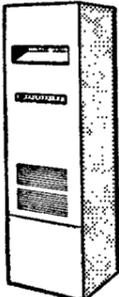
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**NOW**—ALL THE YEAR-ROUND COMFORT YOU WANT

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FULL-HOME Conditioning

ask us for a free survey



gas model shown

Install your Frigidaire furnace now — then add Frigidaire cooling later, if you prefer.

**AUTOMATIC GAS CO.**

ANYTHING IN GAS Natural - Butane - Appliances **TWO STORES TO SERVE YOU:** HUNTSVILLE — ARAB Phone Huntsville JE 4-6561 or JE 4-7942

**CAPTAIN KANGAROO**

IN PERSON!

Will Be At **Parkway City**

Shopping Center

**Sat.**

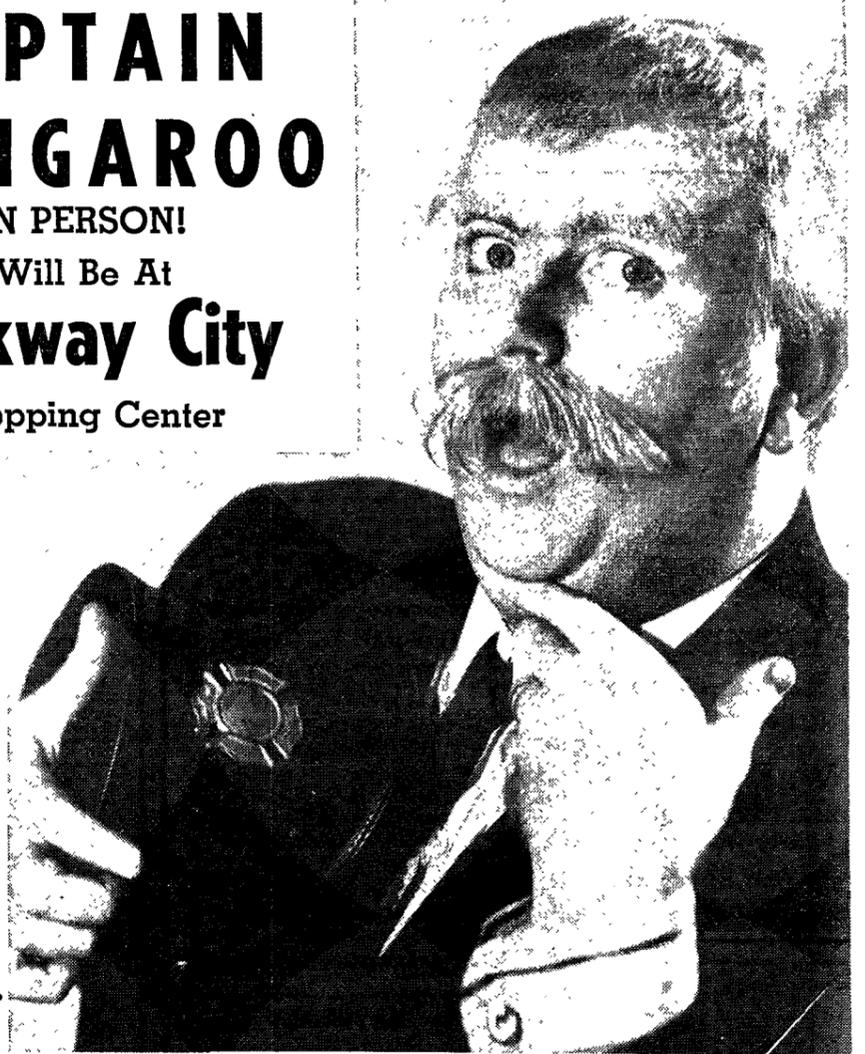
**Apr.**

**4**

10 a. m.

1 p. m.

3:30 p. m.



Hey Kids! Get Your **FREE** Capt. Kangaroo Balloons Capt. Kangaroo Pictures



2500 FREE PARKING SPACES—OPEN NITES 'TIL 9 — 29 STORES TO SERVE YOU

**PARENTS...**

Be Sure and Register the Children in Any

**Parkway City Store**

27 children's names will be drawn... and the lucky ones will sit on the stage with Captain Kangaroo!

Come Join The Fun!

Don't Miss The TREMENDOUS

**VALUES!**

Throughout the Center Family Fun to Shop At **Parkway City**

**SPRING TIME**

TIME TO THINK OF BOATING

... and this season, with the **AMERICAN DISCOUNT COMPANY** boat financing plan, you can certainly join the thousands who already enjoy this great family sport. Plenty of time—from early spring to late in the fall—for skiing, cruising or fishing whether you are on vacation, or spending the weekend, holiday or afternoon off at your favorite boating place.

Telephone or drop by our office today and get a cash loan to buy your boat or if you prefer,



Just ask your boat dealer to call

**American Discount Company** Street Floor Times Bldg. — Phone JE 4-7376

Plan Now to Attend the "Better Homes For Better Living Exposition" Combined With the 2nd Annual "HUNTSVILLE HOME SHOW"—PARKWAY CITY — MAY 6TH THROUGH 10TH. Registration Begins April 4th for the \$20,000 Free "Star" Home to Be Given Away by the Huntsville Home Builders Association—Registration Blanks in All Stores.

Joe: "Milk is a great bone builder, so I drink lots of it."  
 Moe: "Yeah, and you've got the head to prove it."  
 Dot: "Last night, Jack told me I was the only one he ever loved."  
 Lil: "Yeah, and doesn't he say it beautifully?"



**TECHNICAL WRITERS, EDITORS FORM CLUB**—Members of the Steering committee of the recently organized Huntsville Chapter of the Society of Technical Writers and Editors are shown looking over the rolls of the new group, which now has 35 members. Left to right are Mitchell R. Sharpe, publicity chairman; Alvin M. Jupiter, steering committee chairman; Ira Remer, membership; John F. Doss, special projects; Horace Champion, communications; and Paul Mattoon, house and program. Other committee members not shown include Edwin M. Hart and Paul Bungalow, training and education; Edgar Gollop, by-laws; and Yewell Lybrand, special projects. The chapter will be formally organized at a meeting during April, the steering committee announced. Persons interested in joining may contact Remer at Ext. 2931. Membership is open to technical writers and editors including Redstone Arsenal civilian and military personnel and contractors.

**'GOOD HOUSEKEEPING' MUST BE CONTINUING PROCESS**

(Editor's note: This is "Good Housekeeping" month on the Arsenal. The following article, concerning the meaning of the term "good housekeeping" and how to effect it, was written for the Redstone Rocket by B. "Hank" Hankins, Chief of the ABMA Safety Branch.)

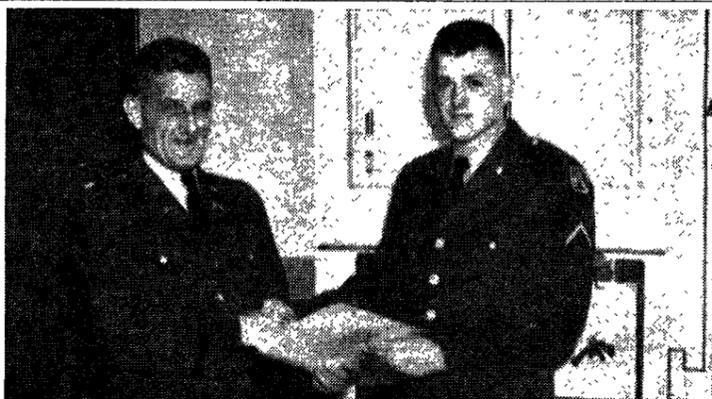
The term "good housekeeping" as related to safety is used not only to signify cleanliness, but a place for everything and everything in its place.

A condition of this kind cannot be maintained by an occasional "grand clean-up" and setting things in order. The effort must be continuous and given the proper attention and thought.

A place is clean when it is free from unnecessary things. It is in order when those things that are about are in their proper places, properly arranged, and in satisfactory condition. Grease or oil out of place is a frequent cause of slippery floors. If articles fall from overhead, they have been out of place. If dirt and litter are about, these are out of place. If material is poorly piled or placed, the material is out of place.

Good housekeeping is not only conducive to preventing accidents, but it is representative of competent management, efficient workmanship, and a better place in which to work.

Typical accidents due to poor housekeeping include tripping over loose objects on floors, stairs, and platforms; articles dropping from above; slipping on greasy,



**MP OF MONTH**—Pfc. Donald L. Ashmore (right) receives a letter of commendation from Lt. Col. Dean H. Jones, Redstone Arsenal Provost Marshal, as a result of Ashmore's being selected as the post's "Military Policeman of the Month" for February.

**Military Funeral Held For Lt. Cochran**

Military funeral services were held Friday in Pensacola, Fla., for Lt. Reubin W. Cochran, 29 of the Ordnance Guided Missile School.

Lt. Cochran was found dead near the Arsenal swimming pool March 24 and officials ruled he died of self-inflicted wounds.

A military memorial service was held Thursday morning at the Post Chapel for the young officer, who was chief of a radar training branch of OGMS. Maj. James H. Goewey, Post Chaplain, officiated.

Interment was in Barrancas National Cemetery at Pensacola with personnel from the Pensacola Naval Air Station rendering

honors. Naval Station rendering honors.

Lt. Cochran a native of Hot Springs, Ark., is survived by his wife, two sons, and a step-daughter.

wet, or dirty floors; running against projecting, poorly piled or misplaced materials; tearing hands or other parts of body on projecting nails, hooks, or sticks. The list could be unlimited.

Typical items of unsafe housekeeping include excessive material, waste, or chips in working area, aisles congested, tools left on machines, waste containers overloaded, lockers and waste rooms in disorder, acids in open containers, broken glass, electric leads and air lines across aisles, poor lighting, and insecure storage. This list, too, could be unlimited.

A clean and orderly work area aids in improving the quality of production, the efficiency of the operation, and the safety of the worker. Everyone has something to gain from following good housekeeping practices.



**GUARD OF MONTH** — Lawrence J. Morton (above) was recently selected as the post's Civilian Guard of the Month for February. He was presented a letter of commendation by Lt. Col. Dean H. Jones, Redstone Provost Marshal. Morton is a resident of Horton, Ala.

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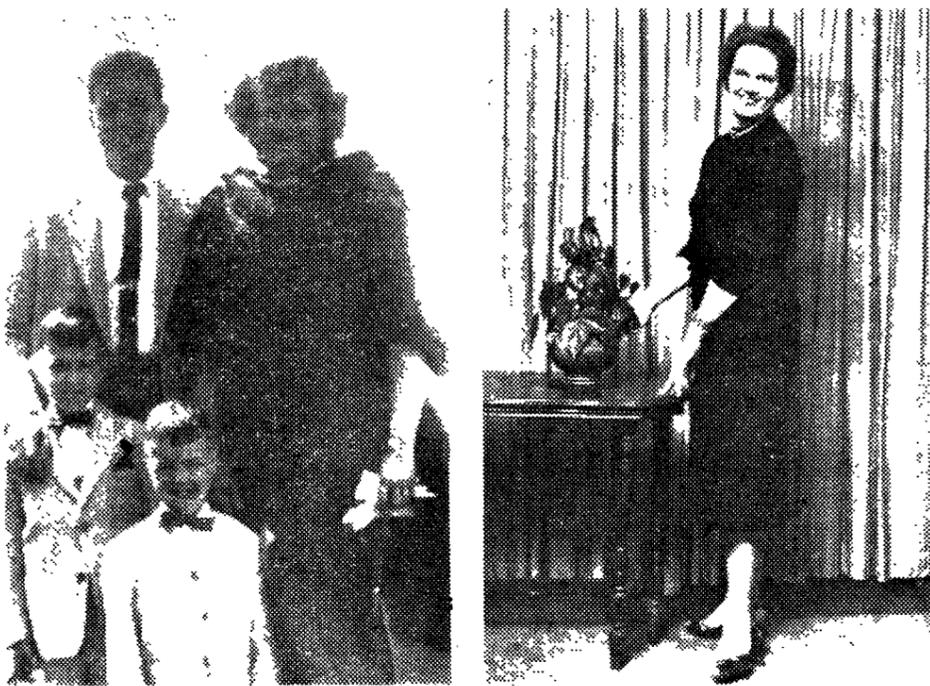
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FEBRUARY, 1959



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**AOMC**

(Continued From Page 1)  
 tained by American satellites. Explorer IV had four separate radiation counters instead of the single counters carried by Explorers I and III.  
 Surface-to-surface and surface-to-air weapons, which are under the cognizance of the Army Rocket and Guided Missile Agency, scored notable successes during the first year following the activation of AOMC.

On May 1, the Hawk air defense missile destroyed a QF-80 aircraft flying at tree-top level. During a series of Nike-Hercules firings at Eglin Air Force Base, Fla., on July 25, the second-generation weapon of the Nike system demonstrated its capability of singling out a specific target among a group of aircraft flying in different directions. A Nike-Hercules battalion was deployed on Formosa in September. In November, Nike-Hercules destroyed targets with speeds in excess of 2,000 miles an hour at altitudes of 100,000 feet with spectacular success.

**Nike-Zeus Tested**

ARGMA, in October, successfully tested the Nike-Zeus booster which is designed to propel the missile to high altitudes within extremely short time. Tested successfully several times since, the order of thrust developed is of such magnitude as to rate its recognition as the most powerful solid engine yet produced.

In December, a Presidential Order transferred the Jet Propulsion

Laboratory from AOMC to the management of the National Aeronautics and Space Administration. AOMC became the principal Army agent for the conduct of space projects assigned by NASA.

Three days after the order, on Dec. 6, an Army-NASA deep space probe, employing a Juno II rocket configuration, penetrated 65,000 miles into space and returned valuable data concerning cosmic radiation detected by the Explorer satellites.

**Monkey Rides Jupiter**

On Dec. 13, an ABMA-fabricated Jupiter IRBM incorporating a tactical ballistic shell configuration successfully fired on-target. As a secondary mission it carried a monkey over IRBM distance and contributed highly useful data for Army and Navy medical research into space flights.

Employment at Redstone Arsenal, birthplace of the Free World's first earth satellite and sun satellite, stands now at 21,000, including civilian, military, and contractor employees. Salaries and wages paid to military and civilian personnel reach a yearly estimated total of \$125,000,000. Construction contracts initiated or completed in the past year totaled more than \$20,000,000.

At White Sands Missile Range, in May, the Sergeant solid-propellant surface-to-surface missile system, under supervision of JPL, was unveiled as development approached the production stage.

**40th Fires Redstone**

In June, the 40th Field Artillery Group performed the first over-land firing of a large U. S. ballistic missile (the Redstone) by combat troops at White Sands. The 40th FA Group is now deployed in Europe with our NATO shield forces and another group, the 46th, is to be deployed overseas soon.

In July, the Army demonstrated its missile system capabilities during Project AMMO conducted at White Sands Missile Range. During the same month ABMA's second full-scale Jupiter IRBM nose cone was successfully recovered after firing from Cape Canaveral.

In August, ABMA's tactical version of the Jupiter IRBM was delivered to the Air Force and accepted by the 864th Strategic Missile Squadron which trained with the missile at AOMC. The

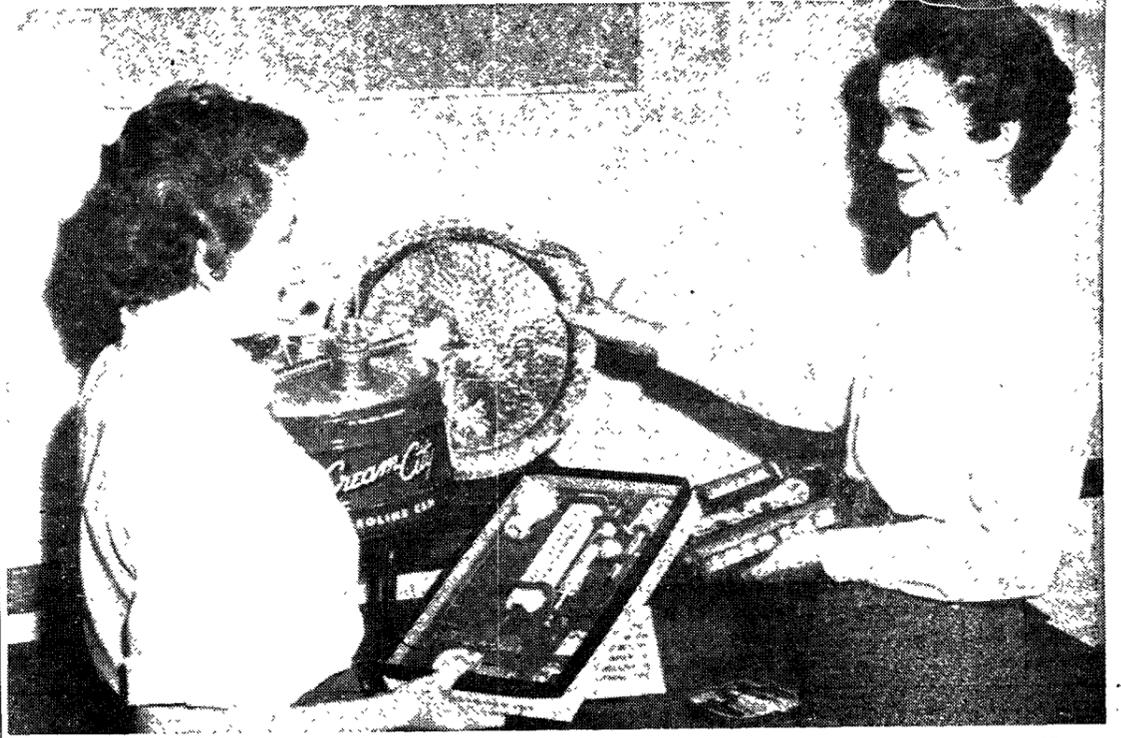
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**TRAY OR WRENCH SET?** Mrs. Jack Harbin and Mrs. Wayne Castile of the Rohm & Haas Redstone Arsenal Research Division try to decide between safety awards which they would like and safety awards which their husbands would like. The awards marked the completion Saturday of one year without a disabling injury by the local Division.

\* \* \*

**ROHM & HAAS ENDS YEAR WITHOUT DISABLING INJURY**

The Redstone Arsenal Research Division of Rohm & Haas Co., Saturday completed a full year of operation without a disabling injury. This represented almost a

half-million man-hours. The completion of one year's operation without injury was marked by the presentation of safety awards to all employees.

"However, these were only tokens", said Allen R. Deschere, General Manager. "The real award for safety is the disabling injury which does not occur. That award is realized by the employees of this Division every day we do not have injuries."

The longest period previously worked by the local Division of Rohm & Haas Company without a disabling injury was almost three years.

"In research and development of the type we are doing it is ex-

tremely difficult to anticipate all the hazards which may be involved," said Cecil Jackson, Safety Coordinator. "A good safety record is achieved when everyone considers safety a vital part of his job. Our accomplishment is an indication of good safety attitudes."

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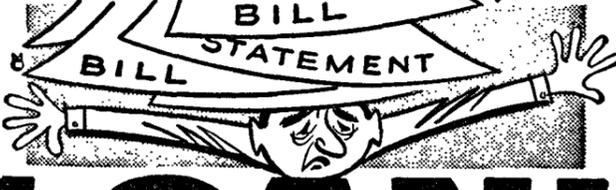
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## Interviews Slated For Teachers for New Private School

Prospective teachers for Huntsville's new private school interviewed soon by the Rev. David Leech, headmaster, members of the sponsoring group announced.

The Rev. Mr. Leech will be in Huntsville from March 30 to April 3 for faculty interviews and other preliminary business of the school, which is scheduled to open in September.

Persons interested in being considered for faculty posts are asked to call or write Mrs. Addison White, 421 McClung Ave., S.E., or Mrs. William Henson, 609 Adams Street, S.E., for application forms.

The new elementary school will be a non-profit, non-sectarian, and coeducational institution. Its founders are 20 Huntsvillians who have announced its sole purpose to be the offering of the best possible instruction to children

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**AUCTION SALE**—Our next auction sale will be held tomorrow night, (Thursday, April 2, at 6:30 p.m. There will be plenty of good used furniture and appliances and other useful items. Prizes given all during sale. (Use your cents to save dollars). Warehouse Sales Co., 5013 Governor Drive, Phone JE 6-2103. 1tc

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## New Masonic Lodge Officers Elected; Gayle Wood Is Head

Sixty Master Masons, upon the call of Past Master Abraham Jacobson, met recently in the National Guard Armory at Huntsville to elect officers for a new Masonic Lodge to be formed in the Redstone Arsenal - Huntsville Area.

Upon approval and sponsorship of Helion Lodge No. 1, F and AM, a petition will be requested for a dispensation from the Grand Lodge F and AM, State of Alabama, to form this Lodge.

Officers elected were Gayle R. Wood, Worshipful Master; John C. Dodd, Senior Warden; James F. Hansen, P. M., Junior Warden; W. S. Makowsky, Secretary; P. E. Redding, Treasurer; A. J. Broome, Senior Deacon; J. L. Brewer, Junior Deacon; and Joe Herrin, Tiler.

Visitors at the meeting were Fred Vaughn, P. M., of Gadsden, member of the committee on work, and Curtis Green, P. M., Scottsboro, District Lecturer.

The next meeting will be held within the next few weeks. The time and place will be announced later.

willng and able to do good work. Negotiations for a site are in progress but have not been completed. Procedure for enrollment of students will be announced later.

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HUNTSVILLE

# AOMC Chief Scientist Acts As CG's Top-Level Advisor

The demanding position of Chief Scientist for the Army Ordnance Missile Command calls for a man with a broad range of knowledge on scientific matters to serve as top-level primary consultant to the AOMC Commanding General in the areas of research and development and advisor on all scientific aspects of the Command's missions and programs.

This position is filled by Dr. Gilford G. Quarles, who has recently been awarded an Outstanding Performance Rating and a Sustained Superior Performance Award for his achievements in those tasks.

As scientific and technical consultant to Maj. Gen. J. B. Medaris, Dr. Quarles is called upon for advice and guidance in unprecedented scientific programs of considerable difficulty, responsibility, and national significance, where the frontiers of science are continually being explored and pushed back.

### Virginia Native

A native of Charlottesville, Va., Dr. Quarles holds three de-



DR. GILFORD G. QUARLES

grees from the University of Virginia—a B. S. in electrical engineering (1930), M.S. in physics (1933), and Ph. D. in physics (1934).

He taught physics at Mercer University, the University of Alabama, and Furman University until 1944 when he joined the staff of the Harvard Underwater Sound Laboratory as a research associate. At the end of the war, he moved to Pennsylvania State University as project engineer in the Ordnance Research Laboratory and became assistant director in 1947 and director in 1952. In these capacities, he conducted and guided research and development in various fields related to the Navy's underwater ordnance program, including acoustics, electronics, hydrodynamics, homing systems, control, and propulsion.

In 1956, he took a leave from the University to take the position of Technical Consultant to the Commanding General of the Army Ballistic Missile Agency. He resigned from the University

## Competition Held By Golfing Group

Twenty-seven members of the Redstone Arsenal Officers Wives Golf Group met last Wednesday for low score on even holes competition.

Mrs. O. O. Roundy and Mrs. George Koebe tied for top honors in the first flight with scores of 19. Mrs. G. L. Barnhill was first in the second flight and Mrs. Frank Napper took the lead in the third flight, both scoring 22.

This week's event scheduled for today, will be a two-ball foursome using one-half of the combined handicaps, with players using alternate tees.

The next Wednesday, April 8, the ladies of the Huntsville Golf and Country Club will be guests of the Redstone Arsenal Golf Group for a tournament at the Municipal Golf Course followed by lunch at the Redstone Arsenal Officers Club. The tournament will begin at 8:30 with luncheon at 12:30 p.m.

Nine beginners participated last week in the beginners class held weekly at 10 a.m. at the Municipal Golf Course. For future information regarding this class, call Mrs. O. O. Roundy, JE 4-7851, or Mrs. H. H. Northington, ext. 8649.

faculty in April, 1958, to assume the position of Chief Scientist of the newly established Army Ordnance Missile Command.

As advisor and sometimes scientific "interpreter" to Gen. Medaris, Dr. Quarles remarks that "I find myself constantly amazed at the general's extraordinarily quick grasp of scientific matters."

### 'At General's Side'

Basically, says Dr. Quarles, "my job is strictly advisory—with no direct line responsibility. On the organization charts, I'm sitting off to myself, at the general's side." In addition to advising the AOMC Commanding General, he frequently deals in the same capacity with the various staff officers and laboratories of AOMC's elements.

Dr. Quarles is the author of numerous scientific works and is a member of the American Physical Society, the American Institute of Electrical Engineers, the American Society for Engineering Education, the American Ordnance Association, Sigma Xi, and

### Electronic

(Continued From Page 1) vate recitations and offer sug-

Tau Beta Pi. He is also frequently called upon to address various technical, educational, and management groups throughout the nation.

Dr. Quarles is one of four brothers who're all scientifically inclined—one, L. R. Quarles is Dean of Engineering at the University of Virginia, and the two other, Vernon C. and Charles C., are both chemists with Dupont corp. All are University of Virginia graduates.

### gestions.

Electronic computers will speed testing and grading of students and keeping of school files.

References to library books can be made by dialing a television number which will project a microfilm edition of the required book on a screen in seconds.

Experiments with many of these training aids are being made, he said, at the Missile School which is the Army's only school devoted entirely to guided missile training and has graduated men from the Army, Navy, Air Force, Marine Corps, and 11 Allied nations. The school now occupies 90 building and this year will graduate 7,500 students.

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