

# The Redstone Rocket

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REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

MARCH 11, 1959

## Army - Industry Nike - Zeus Meet Held; Others Set

An Army-Industry Engineering Concept Review of the Nike-Zeus anti-missile system was held last week at the Bell Telephone Laboratories in Whippany, N. J.

This was the first in a series of meetings on Nike-Zeus, it was announced by the Army Ordnance Missile Command.

An AOMC element, the Army Rocket and Guided Missile Agency, is responsible for development of the missile, with Western Electric Company as the prime research and development contractor.

Major research and development sub-contractors are Bell Telephone Labs and Douglas Aircraft Co.

Heading a delegation of AOMC representatives attending the meeting were Brig. Gen. J. M. Colby, Deputy Commanding General, AOMC, and Brig. Gen. J. G. Shinkle, Commander, ARGMA.

Zeus is the third generation missile in the Nike family. Nike-Ajax and Nike-Hercules have previously been developed under direction of ARGMA.

In addition to representatives of the developing agency and the contractor and sub-contractors, representatives of various other Army organizations are also participating in the Whippany conference.

In addition to Gens. Colby and Shinkle, personnel attending from Redstone Arsenal included the following:

AOMC Headquarters — Col. C. G. Patterson, Lt. Col. F. J. Vasolotti, Lt. Col. J. H. Morrison, Maj. H. Delmar, Maj. R. P. Hazzard, Capt. P. C. Chasteen, Lt. R. A. Bexell, A. H. Murphy, Col. R. H. Kessler, Lt. Col. W. Lee, Lt. Col. C. C. Young, C. Sentell, Maj. O. D. Street, Capt. G. D. Tate, Lt. E. A. Deavers, and S. A. Greenwood.

ARGMA — Col. H. W. Wishart, Maj. E. M. Dooley, Capt. W. L. Rehm, J. White, H. G. Zier, J. D. Bowman, E. C. Gustafson, Col. M. R. Collins, Jr., Capt. R. A. Simpson, Lt. R. R. Dickey, H. D. Sullivan, R. McLaney, G. A. Thornton, and R. I. Wetherington.

ABMA — Lt. Col. G. P. Levy, K. K. Dannenberg and Maj. K. J. Steen.

## Bids to be Received For ABMA Construction

Competitive bids will be received this month at the Corps of Engineers District Office at Mobile, Ala., for two more construction jobs for the Army Ballistic Missile Agency, according to an announcement by the U. S. Army District Engineer in charge of the work.

Bids will be opened on March 19 for the construction of an antenna (See BIDS on Page 12)



PARADING WITH POP—Dr. Wernher von Braun's two young daughters, Margrit and Iris, join him in parade through downtown Huntsville last Wednesday during the city's celebration of Pioneer IV space probe success. Hundreds lined streets to cheer military and civilian officials from Redstone. (Other photos inside).

## Huntsville Celebrates Probe Success

Huntsville turned out in force last Wednesday to celebrate the launching of the Army-NASA Pioneer IV space probe and to honor the people of Redstone Arsenal who helped achieve the historic space undertaking.

The celebration, including a parade, marching bands, fireworks, displays, and speeches, got started about 5 p.m. — shortly after Pioneer IV had passed the moon on its way to orbit the sun.

It had been fired from Cape Canaveral, Fla., at 11:11 p.m. Monday, March 2.

Thousands thronged Huntsville's Courthouse square and adjacent streets for the gala event, which got underway with a parade through the heart of the city. Citizens young and old lining the thoroughfares cheered as auto-bearing top military and civilian officials of the Army Ordnance Missile Command rolled by. Among them were the chiefs of the various laboratories of ABMA's Development Operations Division.

Mayor Speaks

Walter Linde, chairman of the

Chamber of Commerce committee which sponsored the celebration, introduced Mayor R. B. Searcy when the parade ended and the people crowded to the speakers stand. The mayor expressed appreciation for the Army's work and praised its leaders.

Roy L. Stone, chairman of the Madison County Board of County

Commissioners, called the missile team "the greatest team on earth . . . and all-American team, if you team."

Previously recorded speeches by Alabama's Sen. John Sparkman and Dr. Hugh Dryden, deputy administrator of the National Aeronautics and Space Administration, were broadcast.

Scientists Introduced

Following addresses by Maj. Gen. J. B. Medaris, AOMC Commanding General, and Dr. Wernher von Braun, Director of ABMA's Development Operations Division, Linde introduced other ABMA scientists on the platform and described their parts in the space probe project.

Civil Air Patrol planes buzzed overhead all during the celebration.

Models and exhibits showing the workings of Pioneer IV were set up on the speakers stand and at other places near the courthouse.

The celebration lasted an hour and 15 minutes.

## Only Five Days Left To Give to Federal Crusade, Health Needs

Civilian and military personnel at Redstone Arsenal have five days remaining in which to make voluntary contributions to the Third Annual Federal Crusade and the campaign for National Voluntary Health Agencies.

President Eisenhower has urged Americans to "enjoy the tradition of sharing our material and spiritual benefits with our fellowmen at home and abroad."

Envelopes earmarked for both drives have been distributed and contributions may be turned in to monitors up to and including March 15.

Agencies covered by the National Voluntary Health Agencies are United Cerebral Palsy, American Cancer Society, American Heart Assn., Muscular Dystrophy Assn., and National Multiple Sclerosis Society. Contributions to the Federal Joint Crusade Agencies will maintain the work of charities abroad such as CARE, Crusade for Freedom, and the American-Korean Foundation.

## Secretary Brucker, Gen. Taylor Send Congrats on Probe

Reprinted below are messages of congratulations on the Pioneer IV space probe recently received by Maj. Gen. J. B. Medaris, AOMC Commanding General.

The following was sent by Secretary of the Army Wilber M. Brucker:

"Once more you and the other members of the United States Army's great missile team have covered yourselves with lasting glory. The successful launching of Pioneer IV is a History-making (See CONGRATS on Page 2)

## Contract Awarded For Building of Two OGMS Parking Lots

A contract amounting to \$85,953.60 has been awarded to the Perusini Construction Company of Birmingham, Ala., for the construction of two hardstands for vehicular parking opposite Class and Laboratory Buildings 2, 3, and 4 in the Ordnance Guided Missile School area. The award was announced last week from the U. S. Army Corps of Engineers office at Mobile, Ala.

One hardstand will be about 125 feet by 600 feet and the other about 125 feet by 1,000 feet. They (See CONTRACT on Page 2)

## Netherlands Envoy To be Speaker at OGMS Graduation

The Netherlands Ambassador to the United States, Dr. Jan H. van Roijen, will be the principal speaker at the graduation here next Friday, March 13, of the first classes of the Royal Netherlands Air Force to complete academic training at the Ordnance Guided Missile School.

Accompanying the Ambassador here will be Col. P. J. E. Janssens, Air Attache of The Netherlands Embassy. Escorting them on behalf of the Chief of Ordnance will be Col. C. W. Clark, Assistant Chief of Research and Development of the Ordnance Corps.

The party is to arrive at the Municipal Airport late Thursday afternoon. They will stay at the Goddard House on the Arsenal while here.

The Ambassador and his party and top commanders and officers of all Arsenal agencies will be guests Thursday evening at a dinner given by the Huntsville Industrial Expansion Committee at the Russel Erskine Hotel.

Graduation ceremonies are to be held in the Post Theater at 10 o'clock Friday morning. Prior to the ceremony, diplomatic honors will be rendered to the Ambassador.

He is to lunch with The Netherlands class in the Unit Training Center mess at OGMS Friday noon and tour OGMS during the afternoon. He is to return to Washington Friday evening.

## ARMED FORCES DAY PLANS LAID

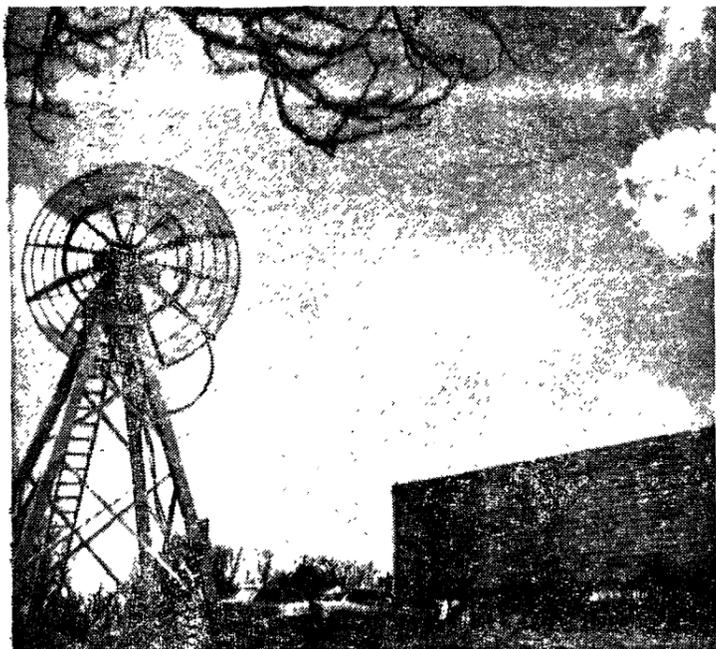
First plans for a 1959 Armed Forces Day celebration in Huntsville attuned to the age of space were laid last week at a preliminary meeting called by L. G. Dawson, general chairman of this year's committee.

Armed Forces Week will be observed from May 11 to 16, with special emphasis on May 15 and 16, the committee decided.

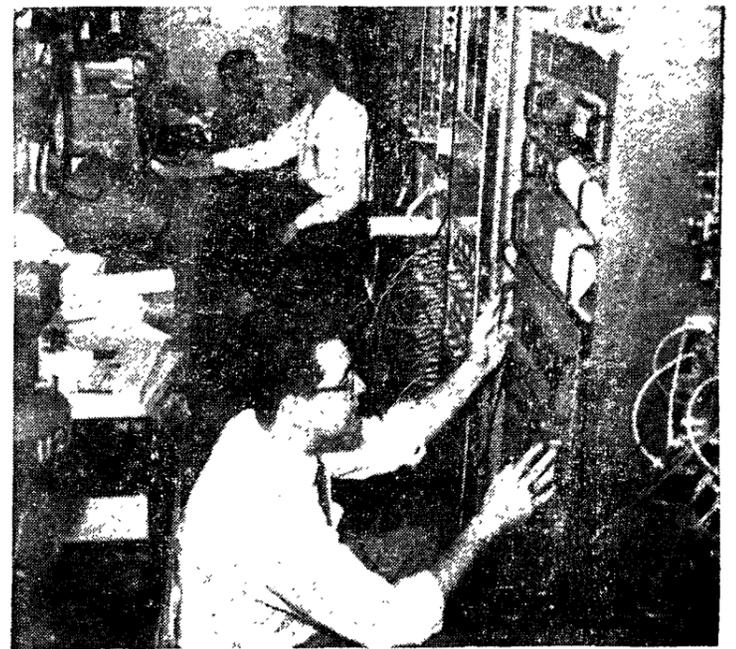
Mayor R. B. Searcy told committee members that the annual observance in honor of the members of the American Armed Forces will "take on added significance in 1959 in view of the most recent and outstanding successes of our missile and space teams."

This year's theme for Armed Forces Day will be "Power for Peace," as it has been throughout the country for the past several years.

Representing the Arsenal at the meeting were Lt. Col. Lester H. LeVine, Army Ordnance Missile Command project officer, Maj. Jesse A. Garner, Redstone Arsenal project officer, and Maj. Edmund W. Kreischer, project officer for the Army Rocket and Guided Missile Agency. (See ARMED on Page 2)



SCANNING THE SKY FOR PIONEER IV—At the Army Ballistic Missile Agency tracking station located on Monte Sano, Huntsville, a 14-foot parabolic antenna (photo at left) scans the sky for signals from Pioneer IV while inside the adjacent trailer, scientists man the complex receiving equipment (photo at right). Signals from the space probe were last received by the station at 11:30 a. m. March 4, when Pioneer IV was approximately 200,000 miles from the earth. Reception at this great distance was possible through the use of a new experimental parametric amplifier supplied by International Telephone and Telegraph Corporation. Shown monitoring the equipment are (background) Paul Swindall and Ray Roberts of the Army Ballistic Missile Agency's Guidance and Control Laboratory, and (foreground) Fredric Kupersmith of IT&T. (Stories inside).



# The Redstone Rocket

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## BIDS

(Continued From Page 1)

tenna checkout building, which will be a one-story, concrete structure containing about 800 square feet of floor space. The job will include exterior electrical work and the construction of an access road. In accordance with the policy of the Corps of Engineers to make sure that a fair share of its construction contracts are given to small business concerns, bids for this work are being solicited from such firms only.

Bids will be opened on March 24 for the construction of a booster pump station reservoir to supply the additional water needed at the main static test tower for testing larger missiles. A contract amounting to \$364,377 was recently awarded to the Dunn Construction Company, Inc., of Birmingham for modifying the tower to permit its use in testing missile engines with greater thrust. The reservoir will have a capacity of one million gallons and will be constructed of pre-stressed concrete or steel at the contractor's option. The construction of a valve pit, piping to the existing pump station, and electrical control wiring will be included in the job.

## CONGRATS

(Continued From Page 1)

ing achievement, you have set in the sky a radiant emblem of enduring American scientific prestige. Pioneer IV marks a long, sure step forward for the United States toward the eventual conquest of space and its utilization for the benefit of mankind. The entire Army and the nation are proud of you and every member of the Army missile team. Please pass on in full measure to all those who had a part in this splendid accomplishment my heartiest personal and official congratulations.

And the following was sent by General Maxwell D. Taylor, Army Chief of Staff:

"It is a sincere pleasure to



**RETIREES** — Thurman T. Poe (above), of the Post Engineer Office at Redstone Arsenal, recently retired from Federal service after 15 years employment. He is 70. Poe, who resides at 804 Beirne Ave., N.E., Huntsville, said he plans now "to just rest and relax a while."

## ARMED

(Continued from Page 1)

The meeting was held at the Chamber of Commerce.

### Main Events

The Armed Forces Week main events will include the official dinner on the evening of May 15, followed by a parade and luncheon on the 16th. Also on the 16th, military and industrial exhibits will ring the Courthouse Square. Throughout Armed Forces Week, window displays can be seen in windows.

Local industrial firms and military contractors will receive a special invitation to furnish exhibits or window displays.

"Efforts are already under way to obtain a nationally known speaker to augment the occasion," Dawson informed the committee.

Heading the Distinguished Guest committee are Dawson, Col LeVine, Mayor Searcy, Roy L. Stone, chairman of County Commissioners; Vance Thornton, president of the City Council; R. K. Bell, president of the Huntsville Industrial Expansion Committee; Dorsey Upton, president of the Huntsville-Madison County Chamber of Commerce; M. B. Spragins, Sr., chairman of the Redstone Arsenal Community Relations Committee; Milton K. Cummings; and Major Garner.

Further committee assignments will be announced soon, Dawson reported. Also, additional Arsenal project officers representing the various military agencies will be selected and announced.

congratulate you and your command on your significant achievement in successfully firing Pioneer IV. Please convey to Doctor Von Braun and to all other members of your command my sincere appreciation."



**SHAPE OFFICIAL VISITS CAPE**—General C. V. R. Schuyler (right), Chief of Staff, Supreme Headquarters Allied Powers, Europe (SHAPE), receives a briefing from Capt. James A. Ross during the general's recent visit to the Army Ballistic Missile Agency's Firing Laboratory facilities at Cape Canaveral, Fla. Capt. Ross is a member of the Army Ordnance Missile Command Field Office at the Atlantic Missile Range.

## ARMY ACCOMPLISHMENTS INSPIRE NEW WRITING—'SPACE POETRY'

(Editor's note: The Army's recent accomplishments in space amateur poets to a new kind of projects seems to have inspired writing of which might best be described as "space poetry.")

Printed below are two examples of such poetry which have been submitted to The Redstone Rocket. The first, entitled "Pioneer IV," was written by Capt. Gerald G. Jones, Billeting Officer, Redstone Arsenal. The second, entitled "Jupiter-C," was written by 14-year-old Victor van Leeuwen, son of Leon van Leeuwen, of Structures and Mechanics Lab, ABMA.)

### PIONEER IV

Clear the stands! The fire's lit. It is starting on its way. We're aiming for the moon tonight.

Will we make it? We can't say. Faster flames the firefly, Higher billows smoke; The tension's mounting upward,

It almost makes you choke. There! It's lifting skyward; It's cleared the pad at last. Whatever happens now, we know

The space age die is cast. Up, up, up, it goes so swiftly, Climbing fast to meet its fate; Now they breathe, the waiting ones.

Nothing now to do but wait. Onward into outer space, Swiftly racing out of sight; Defying gravitation's pull. Pushing on with all its might. Blinking softly in the darkness, Rocket motors burning light; Fading swiftly in the distance, Soon it's just a speck of white. Then it's gone, lost forever, Sending signals thru the air; Its radio is live and talking; thus we know it still is there. On, on, into the outer reaches, Braving space before undared, Followed soon by earthly space-ships, Knowing that the way's prepared.

## CONTRACT

(Continued From Page 1) will be constructed with an asphaltic concrete surface course on a 6-inch stabilized aggregate base course.

The contractor is expected to start operations in about two weeks and have the hardstands ready for use by the middle of June.

Past the moon it hurtles onward, Like a star it flashes by, Finding secrets in the space world, Sending them back thru the sky. On until it goes into orbit, Orbits round the Mother Sun; Becomes a planet man-made telling

Of a story just begun. More will join in times ahead, Each a little better done; But the Pioneer will ever Stand as the important one. By Capt. Gerald G. Jones

### JUPITER C

The rocket roared with mighty thrust And left the ground with lots of dust. Up in the sky it went with speed, The one experimental seed. Rising through the atmosphere It broke into the ionosphere. The next stage fired right on

time To send it on its mighty climb. After the fuel had been used It made its first historic cruise. It's signals picked up in the West, That was its last and final test. The rocket was for IGY, Now above the dark blue sky. At 18,000 miles per hour Like a mighty flying tower.

By Victor van Leeuwen

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East



**TROOP COMMAND RECEIVES SAFETY AWARD**—Major Jesse Garner (center), Troop Commander, RSA, is shown receiving the Redstone Arsenal Safety Award from the RSA Commander, Col. Keith T. O'Keefe (right). Looking on at left is RSA Safety Director W. E. Albright. The Troop Command earned the safety award for permanent possession for having had the lowest accident cost per man for the calendar year 1958. The safety award plaque is awarded each quarter for temporary possession to the troop organization having the lowest accident cost per man each quarter. At the end of the calendar year the yearly accident cost is determined and the plaque is awarded permanently to that organization.

**THREE AGENCIES SHARE IN APPEAL**

Three voluntary American agencies dedicated to human welfare overseas are included in the 1959 Federal Service Joint Crusade Campaign. The campaign consists of a single solicitation for the benefit of all three agencies—CARE, the CRUSADE FOR FREEDOM (RADIO FREE EUROPE) and the AMERICAN-KOREAN FOUNDATION. The officially authorized campaign conducted among federal employees and military personnel in the continental United States, Alaska, Hawaii and the Panama Canal Zone, during a six-week period from January 1 to April 30, 1959. As officially directed, the Joint Crusade Campaign is held concurrently with the campaign of the approved National Health Agencies. Last year's Joint Crusade campaign raised a total of \$929,039.08 for CARE and the CRUSADE FOR FREEDOM. Included in the campaign this year for the first

time, is the AMERICAN-KOREAN FOUNDATION, whose efforts to rebuild Korea were spearheaded by the generosity of the American Service personnel who served in the Korean War. National Federal Chairman of the 1959 Joint Crusade Campaign is Sumner Whittier, head of the Veterans Administration. He succeeds Walter Williams, former Under Secretary of Commerce. In an official memorandum dated September 25, 1958 to the Heads of Executive Department and Agencies, President Eisenhower emphasized his personal support of the Joint Crusade Campaign. The President said, "As Americans, we enjoy the tradition of sharing our material and spiritual benefits with our fellow men at home and abroad. "Knowing the great needs and capabilities of these voluntary agencies, I am sure Federal and Military personnel will again respond to their annual appeals with generosity." In his personal message to Heads of Agencies and all Federal Employees, Sumner Whit-

**Capt. Bice Assigned As ABMA Assistant Executive Officer**

Capt. William S. Bice has been assigned as assistant Executive Officer at the Army Ballistic Missile Agency. Capt. Bice was formerly a student at the U. S. Army Ordnance School, Aberdeen Proving Ground, Md. He entered the Army in 1950 following his graduation from the University of Illinois with a BS degree in chemistry. During his service career he has served overseas for three years in Germany with the Seventh Army, and one year in Vietnam with the Military Assistance Advisory Group. He has been awarded the Army Occupation Medal (Germany), and the American Defense Service Medal. He is a member of the American Ordnance Association and the Association of the U. S. Army. Capt. and Mrs. Bice reside on post with their two children, William S. Jr., age 7, and Deborah Ann, three years old.

**National President Chemical Engineers Institute Is Speaker**

Dr. Donald L. Katz, national president of the American Institute of Chemical Engineers, was guest speaker at a meeting of the Tennessee Valley section at the Decatur Country Club last Thursday, it was announced by John P. Coffin, section chairman. Dr. Katz is an industrial consultant, technical author and head of the Department of Chemical and Metallurgical Engineering at the University of Michigan. His talk involved heat transfer through finned tubes. There are approximately 18,000 chemical engineers enrolled in 63 local sections of the A. I. Ch. E. The Tennessee Valley section covers the North Alabama areas of the Tri-Cities, Decatur and Huntsville.

**Safety Scoreboard**

(As of 9 Mar.)

Days since last civilian disabling injury	10
Our Goal	30
Days since last military disabling injury	9
Our Goal	30
Days since last contractor personnel disabling injury	92
Our goal	100
Days since last government motor vehicle accident	0
Our Goal	30

**DRIVING RECORD (Government Vehicles)**

(As of 9 Mar.)

Organization	No. Accidents (1959)	Days Since Last MV Accident
Transportation Div. (RSA)	2	35
Post Engineer Div. (RSA)	7	22
Provost Marshal Div. (RSA)	3	6
Depot Operations (RSA)	6	5
All other RSA	1	21
Thiokol (ARGMA)	2	2
All Other ARGMA	1	64
OGMS	4	4
ABMA	0	67

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# Social News

## ANNUAL POST EASTER EGG HUNT SET MARCH 28; PLANS BEING MADE

Plans for the annual Easter egg hunt for military dependents at Redstone Arsenal are being made by the Special Projects Committee of the post's Joint Activities Council.

The event is scheduled for 2:30 p.m. March 28 behind Bldg. 3711. Children one through nine years of age are invited.

The hunt will be divided into four age groups: one through four; four and five; six and seven; and eight and nine. Prizes will be given within each group for finding the "golden egg" and finding largest number of eggs. Two runner-up prizes will be awarded in the latter category.

Dependents of assigned, visiting, and NATO military personnel on or off post will be eligible to participate. Bus transportation will be furnished. Further details will be announced later.

A recent planning meeting for the event held at the Service Club, was attended by Col. Owen T. McCloskey, chairman; Mrs. Melvin Collins and Mrs. Robert Clonce, representing the NCO Club Auxiliary; Mrs. K. B. Waugh, Mrs. P. A. Tisdale, and Mrs. G. B. Keith, representing the Officers Wives Club; Warrant Officer Howard Y. Garland and Sgt. Jose S. Cureton, from Mess Hall No. 1; and M-Sgt. Allen C. Helson, of Special Services.

## Golf Group Meets For Luncheon Event

Twenty-five ladies of the Officers Wives Golf Group met last Wednesday in the Redstone Room, Squirrel Hill Officers Club, for luncheon following nine holes of play.

Winners in the low put event for the day were: first flight, Mrs. Glenn Crane; second flight, Mrs. E. T. Paul and Mrs. W. R. Mullane; third flight, Mrs. R. L. Spragens.

Mrs. O. O. Roundy, golf group chairman, welcomed the following newcomers: Mrs. G. L. Barnhill, Mrs. J. A. Dasche, Mrs. J. S.

## Officers Wives Club Bridge and Canasta Competition Held

The bridge and canasta groups of the Redstone Arsenal Officers Wives Club met Thursday for weekly competition with the following results:

Duplicate Bridge: Six tables. Howell movement, first, Mrs. Glenn Elliott and Mrs. S. C. Holmes; second, Mrs. C. C. Young and Mrs. L. L. DeNoya; third Mrs. R. J. Dombrow and Mrs. Thomas Reed.

Party Bridge: Six tables, first, Mrs. J. C. Scholz; second, Mrs. R. S. Kinch; third, Mrs. S. J. Dobbs; low, Mrs. J. E. Parker.

Canasta: high, Mrs. Joachim Severino; low, Mrs. John Dabravalskas. Wives Club members interested in participating in canasta are cordially invited to attend the next meeting, tomorrow at 12:30 p.m. at the Squirrel Hill Officers Club. For reservations call Mrs. R. C. Roberts, ext. 7345

## New Masonic Lodge Eyed; Meeting Set

All Master Masons on post are cordially invited to attend a meeting for the purpose of forming a new Masonic Lodge. The meeting will be held at the National Guard Armory, Patton and Dallas Sts., Huntsville, at 7:30 p.m. Friday, 20 March.

Further information may be obtained by calling A. Jacobson, ext. 3903; Pete Redding, ext. 2969; or Frank Hunter, JE 4-0100.

## Great Books Group Slates New Series

The Great Books Discussion Group will start a new series on March 16, meeting at 7:30 p.m. in the Post Chapel.

This first meeting will be devoted to an organizational session followed by a discussion on Mortimer P. Adler's "Essays on Education." Copies of the essay will be furnished. All interested persons are invited to attend.

Jeffers, Mrs. Mae Levass, Mrs. H. C. McClain; Mrs. Herman Rabinowitz, and Mrs. C. E. Stockton.

Mrs. George Koebbe, tournament chairman, made announcement of coming golf events. The event for Wednesday, March 11, will be a low total for odd holes. Each member of the golf group was asked to invite a new member to join her for this next event.

A golf instruction course for beginners and those desiring a refresher class is being conducted by Kinsey Estes, pro at the Municipal Golf Course. Those interested should call Mrs. O. O. Roundy, JE 4-7851, or Mrs. H. H. Northington, ext. 8649.



"THE TOP TEN" Choral group entertained at the Officers Wives Club luncheon March 3. The group is made up of girls from the Westlawn and the West Clinton Junior High Schools. The director, Mrs. Fred H. Steele, Jr., is choral director at both schools. She also plays the piano accompaniment for the singers. Left to right, the singers are: Linda Holmes, Shirley Asherbranner, Benita Mann, Marilyn Gooch, Kit Seigler, Priscilla Harris, Madell Stokes, Cherry Church, Linda Sue Arsemani, Pat Chandler, and Kitty Cantrell.

## Col. O'Keefe Traces History of Ireland For Officers Wives

Col. Keith T. O'Keefe, Commander, Redstone Arsenal, traced a capsule history of Ireland for the Officers Wives Club at Redstone Arsenal during their luncheon meeting March 3.

Wives of officers from the Ordnance Guided Missile School were in charge of the affair. Also on the program were the "Top Ten", a choral group of girls from West Clinton and Westlawn Junior High Schools. The girls sang three numbers under the direction of Mrs. Fred H. Steele, Jr., choral director at both schools.

The club was decorated with a St. Patrick's Day note. Ceramic "leprechauns" and shamrocks studded the table centers; the

## COIN COLLECTORS ORGANIZE CLUB

A new meaning is applied to "swap" when numismatists get together. One of the "swappingest" bunches of people in town got their heads together recently at the Twickenham Hotel.

Technically, they are known as numismatists. But as swappers and traders they rate about second to none as they actively and diligently pursue the world-wide hobby of numismatics, which is the science of coins, tokens, medals, paper money, and objects closely resembling them in form or purpose.

Just how many coin collectors there are in the Huntsville area, no one knows exactly, but 26 of them got together at the meeting and announced the organization of a coin club.

Henry T. Williams was elected temporary president of the club and Donald E. French, temporary secretary and treasurer.

The club president appointed a constitution and by-laws committee to draw up a constitution and by-laws for consideration by the club membership at the next regularly scheduled meeting. Permanent officers will be elected at the earliest possible time after the approval of the constitution and by-laws.

Next meeting of the club will be held in the Twickenham Hotel Friday, Mar. 13, at 7:30 p.m. All persons interested in the hobby of coin collecting are invited to attend the meetings of the club which are held the second Friday night of each month.

## Five U. S. Military Cadets Are Rhodes Scholarship Selectees

The annual Founders Day dinner commemorating the anniversary of the founding of the U. S. Military Academy, will be held on Tuesday, March 24, at the Redstone Arsenal Open Mess, beginning at 7 p.m.

Graduates of the U. S. Military Academy, the U. S. Naval Academy, and former cadets and midshipmen in the Huntsville area are cordially invited to attend.

Those interested in attending should contact Capt. Stuart L. Miller, Army Ballistic Missile Agency Adjutant, prior to March 13 — preferably in writing, or by calling ext. 4234.

The dinner will mark the 157th anniversary of the founding of the military academy. The observance is an annual event at Redstone Arsenal.

leprechauns were also on the sherry table to guard a bowlful of fake gold coins.

Mrs. H. V. Smith was chairman for the luncheon. Her assistants included Mrs. Charles Holmes, Chairman of the food committee, who was helped by Mrs. T. Severino and Mrs. J. Thureson.

Reservations chairman was Mrs. E. J. McGinnis, with Mrs. C. D. Leatherman, Mrs. Mack Wilson, Mrs. W. R. Gilbanks, and Mrs. S. F. Bunn on the committee. Mrs. Marvin D. Parker was in charge of the program. Mrs. R. G. Cooper and Mrs. E. R. Coogan were in charge of the decorations.

Approximately 55 Wives Club

members attended the luncheon.

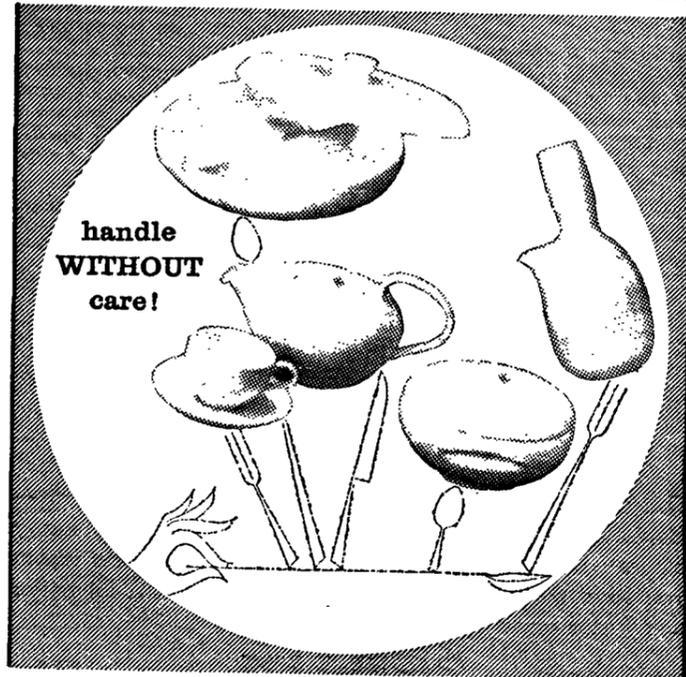
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## At the Service Club

The Rocket Service Club of Redstone Arsenal was awarded the Honorable Mention Award and \$50 cash prize in Category II of the Third All-Army "Operation Service Club" contest. The Rocket Service Club competed with 11 installations in Third Army. The Post Service Club of Ft. McPherson, Ga., first place winner, and Service Club No. 4 of Ft. Bragg, N.C., second place winner, will have their scrapbooks entered in the All-Army Contest to be judged in April.

The Huntsville Jr. Hostesses met at the Service Club on Monday night to make plans for the March events at the club. This group invites all girls to attend the dance classes on every Wednesday night, the All-Army Entertainment Contest on March 19 at 7:30 p.m., the tour to Birmingham leaving the Service Club at 2 p.m. on March 21, the dance with Glen Slayton's Orchestra on March 24 at 8 p.m., and the birthday party on March 29 at 8:30 p.m.

The Circle A Wranglers, the Army's popular soldier western group, are on the road again — this time in a tour to Redstone Arsenal with their completely new country and western show, "Country Capers." You can see them at 2:30 or 6:30 p.m. at Post Theatre on Wednesday, March 18. Sgt. Willis Hogsdon on the banjo; Sp-4 A.R. Pee Wee Walker handles the fiddle; Pfc. George E. Jackson with the guitar; Pfc. Shelly S. Hill in the 32 string steel guitar; Pfc. Houghlon M. Woodham handles the string bass; stir in a good-sized handful of Little Willie's nonsense and you have a recipe that is undiluted pure enjoyment.

On March 13 at 6:30 p.m. a film on "The Best of Pro-Football 1957" will be shown in the television room. Scenes from a dozen pro football contests bring present grid greats into sharp focus. Talented backs Y. A. Tittle, Johnny Unitas, Frank Gifford, Rick Casares, Tobin Rote, and scores of others display their wares in this special film.

Girls in the 1959 All-Army Entertainment Contest? Yes, the Huntsville Jr. Hostesses will open the contest on March 19 at 7:30 p.m. with a gala dance. Join us for the Rocket Service Club entertainment contest on Thursday March 19.

"The 1957 Miller High Life Open" and "The Chicago Bear Highlights" will be shown on Friday, March 20 at 6:30 p.m. Quiet Ken Venturi, one of golf's newest stars, provided the sur-

prises as he out-classed the field to win the third Miller High Life Open. Also see rookie sensation Willie Galimore swivel-hip his way to four TDs in the Bears' 34-26 win over the Los Angeles Rams.

The tour to Birmingham leaves at 2 p.m. from the Service Club on March 21.

Dance with us to the music of Glen Slayton's Orchestra on March 24 at 8 p.m.

Are you interested in learning a new dance step? Ray Pisani starts an advanced class in dancing on April 8 at 9 p.m. in the Service Club. Ray will teach some completely new steps to take here at the club. New classes in Foxtrot at 7:30 and Rhumba at 8:15 p.m. will start on the same night. Don't forget to put your name on the list.

BARBARA.

### Two ABMA Soldiers Have Leading Roles In Little Theater Play

Pvt. Ted Scott and Pvt. Tom Jamison, assigned to Det. "B", ABMA, have leading roles in the play, "A Hatful of Rain," by Michael V. Gazzo, which opens tomorrow night and continues Friday and Saturday at 8 o'clock, presented by the Huntsville Little Theatre, in the Huntsville High School auditorium.

The play, which was a hit on Broadway and was later made into a successful movie, is concerned with the problem of drug addiction. Johnny Pope (played by Ted Scott) was sent to a hospital after his release from a Communist prison camp in Korea. Given treatment with morphine while in the hospital, he developed an addiction which he was unable to break when sent home. The play shows Johnny's problems in trying to break the addiction and in getting the understanding of his wife and his father (played by Jamison).

Scott is originally from California where he received his BA in mathematics from the University of California. He has been working in community theatre since high school and hopes to make a career of acting. In connection with this he moved to New York and appeared in off-Broadway productions before he was inducted into the Army last summer. Besides his theatrical activities, Scott is a member of the first violin section of the Huntsville Civic Orchestra. He is currently working for the ABMA Computation Lab as a programmer for digital computers.

A native of Chicago, Jamison took his degree in electrical engineering from Purdue University. He brings to Huntsville theatrical experience gained in summer stock, college and community theater. He works for ABMA in the Aeroballistics Lab. Three other Arsenal employees are appearing in "A Hatful of



LT. COL. FERRY JOINS OGMS STAFF—Lt. Col. Bernard A. Ferry (fourth from left) has recently joined the OGMS staff as Signal Corps Liaison Officer. Lt. Col. and Mrs. Ferry were welcomed to Redstone Arsenal last Friday evening at a reception at Squirrel Hill Officers Club. Seen left to right are Mrs. Kenneth G. Whitehead, Maj. Kenneth G. Whitehead, Mrs. Ferry, Lt. Col. Ferry, Mrs. Randolph Cooper, Col. H. S. Newhall, OGMS Commandant; Maj. Randolph Cooper, Lt. Robert F. Miller, and Mrs. H. S. Newhall.

## Religious Services

POST CHAPEL — Bldg. 3714

PROTESTANT  
Sunday — 0945 hours, Sunday School, 1st Session 4th grade through Senior High.

1000 hours — Adult Bible Class in TV Room of Service Club.

1100 hours — Sunday School, 2nd Session — 3 yrs. of age through 3rd grade.

1100 hours — Morning Worship. The nursery for babies and small children is open during this service.

1830 — Christian Youth Fellowship — Jr. High Young People and Senior High

Wed. — 1800 hrs. — EMCU.

Wednesday — 1845 hours — Chancel Choir rehearsal.

Thursday — 1530 hrs. — Jun-

ior Choir Rehearsal.

RSA PARK — Sunday, 0945 hours — Bldg. 9600 — Sunday school classes.

JEWISH — Temple B'Nai Sholem (corner of East Clinton and Lincoln)

Friday — 2000 hours — Regular service. O'Neg Shabbot (Sabbath Social) at Temple Annex following service

Sunday — 0930 hours — Religious School at Temple Annex

CHRISTIAN SCIENCE SERVICES  
Sunday — 1100 hours — Held in Huntsville at White St. and Wells Ave. Wednesday evening meetings are held at 1930 hours.

CATHOLIC  
Sunday — 0745, 0845 and 1230 hours—Mass.

1830 — Youth Religion Class. in Chaplains Office

MONDAY—2000 hours — Convert Class in Chaplain's office.

TUESDAY—2000 hours — Novena in Honor of Miraculous Medal.

FRIDAY—2000 hours — Way of Cross.

Saturday — 1000-1045 hours—Altar Boys Class.

Catechism classes — 1000-1130 Confessions — 1800-1900 hours

DAILY MASS — 1730 hours—During Lent.

CHAPEL NO. 2 — Sunday — 1100 hours — Mass.

Post Chapel — Daily Mass—1730 hours.

Sojourners Group Schedules 'Bivouac'

Monte Sano Camp of Heroes of '76, National Sojourners, will "go into bivouac" at the Yarbrough Hotel (second floor) in Huntsville at 6:30 p.m. Friday, March 13, for refreshments and discussion of Camp business, it was announced by Capt. Calvin C. Guffey, Adjutant, Heroes of '76.

All Heroes planning to attend should contact Capt. Guffey at ext. 5640.

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### Mrs. Selby Frank Honored at Coffee

Mrs. Keith T. O'Keefe, wife of the Commander of Redstone Arsenal, honored Mrs. Selby Frank at a coffee at the O'Keefe quarters at Redstone Arsenal March 3.

Lt. Col. and Mrs. Frank are scheduled to go to Ethiopia soon with the Military Assistance Advisory Group to that country. The colonel has been Assistant Chief of the Industrial Division for the Army Rocket and Guided Missile Agency.

Approximately 25 friends of Mrs. Frank attended the coffee. Mrs. O'Keefe used a large map and a world globe to highlight the "bon voyage" theme. Spring flowers were used as a centerpiece on the serving table.

Rain." Gene Blincoe, Bill Odom, and Francis McKinney are playing "Mother," Apples, and Chuch, three other drug addicts. Also in the cast are Mary Sandlin as Johnny's wife Celia, and Bobby Patterson as his brother Polo. The play is being directed by Nancy Nilsson, with Jim Burns as technical director.

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# Women Scientists at ABMA Contribute Much to Army's Space Probe Project

From the drawing board to the launching pad, women scientists at the Army Ballistic Missile Agency have participated and are participating in the Army's space probe project, working alongside their male counterparts in five of the Agency's 10 laboratories.

The Army Ballistic Missile Agency was responsible for preparing the modified Jupiter missile which served as first stage for the launching vehicle. The Jet Propulsion Laboratory, Pasadena, Calif., supplied the high speed, solid propellant upper stages and the Pioneer III probe.

In the Guidance and Control Laboratory at the Army Ballistic Missile Agency, Mrs. Mary Cox, Mrs. Willie S. Byars, and Mrs. Mary W. Derryberry manned drawing boards, preparing layouts to be followed in fabricating various components of the big rocket and its supporting systems.

### Electrical System

Mrs. Cox, an engineering draftsman, and Mrs. Byars, an engineering designer, were concerned with the Juno II's electrical system — an intricate maze of wiring and cabling which serves as the missile's nervous system. Mrs. Cox worked on wiring diagrams

and cable layouts, used in accomplishing the layout of the complex system. Mrs. Byars worked on drawings for distributors, which regulate the distribution of power in the electrical system.

Mrs. Derryberry, an engineering designer, prepared drawings for various support equipment for the missile, including vibration brackets used in the testing of components and telemetering equipment, which transmits data from the rocket as it travels through space.

### In S & M Lab

In the Structures and Mechanics Laboratory, engineering aides Mrs. Valeria G. Wells and Mrs. Lakie S. Mowell worked on dynamics and load analysis of the Juno II structure, conducting studies of missile weights and stresses as they would occur during various stages of flight. These factors had to be known in order to maintain the correct attitude of the missile in flight.

In the Structures and Mechanics Laboratory, mathematician Miss Joan Kramer and engineer Mrs. Elizabeth Varnedoe also contributed to the probe project. Miss Kramer conducted analysis work in connection with fluid mechan-

ics, or the flow of fuel in the missile. Mrs. Varnedoe was concerned with evaluation of the missile's engine system so as to determine the performance to be expected during launching and flight. She is now following up this work by evaluating the actual performance of the engine based on data received from Juno II.

As part of the Army's extensive testing program for the experiment, the Systems Analysis and Reliability Laboratory conducted a wide variety of tests on the modified Jupiter's numerous components to assure that each would function properly during missile flight. Assisting with the Laboratory's testing program were mathematicians Mrs. Ann B. Folsom and Miss Betty Jo Long, and statistical clerk Mrs. Rachel H. Cook, all part of the Test Evaluation Unit of the Performance Test Branch.

They participated directly in the work of the unit, which involved the evaluation of missile measuring gages, the telemeter information system, and simulated flight tests. They handled as many as 10,000 pieces of data during a single acceptance test, aided in maintaining the extensive file system required to support and document the testing operation, and helped in the preparation of the laboratory report on the final acceptance testing of the components.

In the Aeroballistics Laboratory, Mrs. Anne McNair, mathematician, is assisting with various factors of flight evaluation for the Juno II, including the determination of the injection point into spatial flight and flight performance analysis of the high speed cluster supplied by the Jet Propulsion Laboratory.

Six more women, all mathematicians, assisted with the project in the Computation Laboratory. This Laboratory utilizes electronic computing devices, including the

IBM 704 computer, to solve a wide variety of problems connected with missile development.

Miss Inge Bergeler worked on the trajectory computations prior to launching, utilizing such data as velocity, firing angle, and gravitational pull of the earth and moon to determine the most advantageous trajectories for use in launching the probe vehicle.

Mrs. Marion C. Sims and Miss Martha E. Smith are concerned with flight evaluation of the Juno II. Mrs. Sims is assisting with the analysis of the missile's

flight to determine overall performance of the probe. Miss Smith is assisting with the performance evaluation of various missile components, such as the guidance system and power plant.

Tracking is the primary interest for Miss Betty Harrison, Miss Mildred Leatherwood, and Miss Joan Kassner. Miss Harrison and Miss Leatherwood are concerned with tracking the Juno II as well as the calculations for the probe. Miss Kassner is concerned entirely with calculations for the probe.

\* \* \*

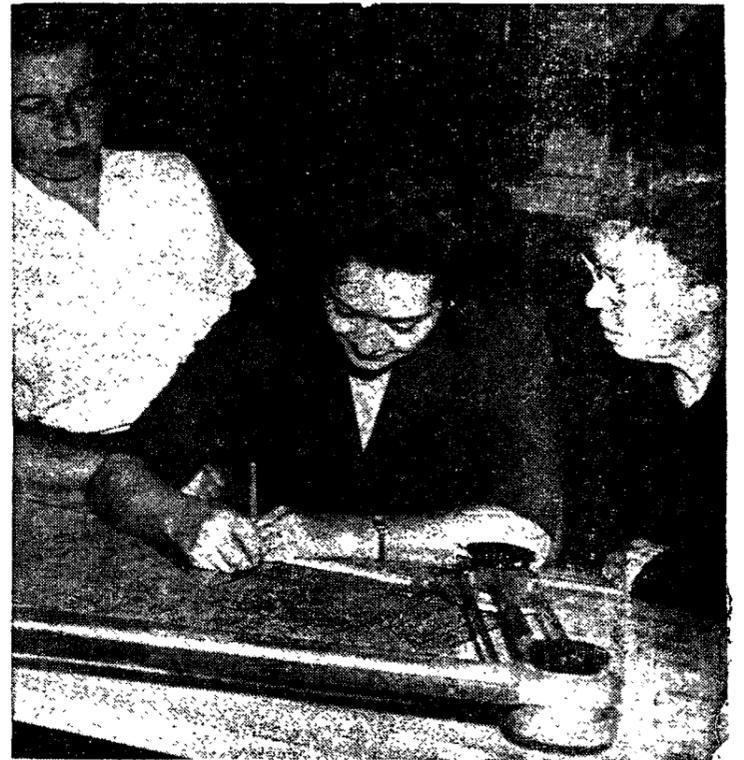
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MISS INGE BERGELER, Miss Martha E. Smith, and Mrs. Marion Sims (in top photo) note results as they are given by the printer for the IBM 704 computer while, left to right (bottom photo), Miss Mildred Leatherwood, Miss Joan Kassner, and Miss Bettye Harrison operate the machine. These six mathematicians, employed in the Computation Laboratory at the Army Ballistic Missile Agency, utilized electronic computing equipment in connection with their work on the Army's space probe.



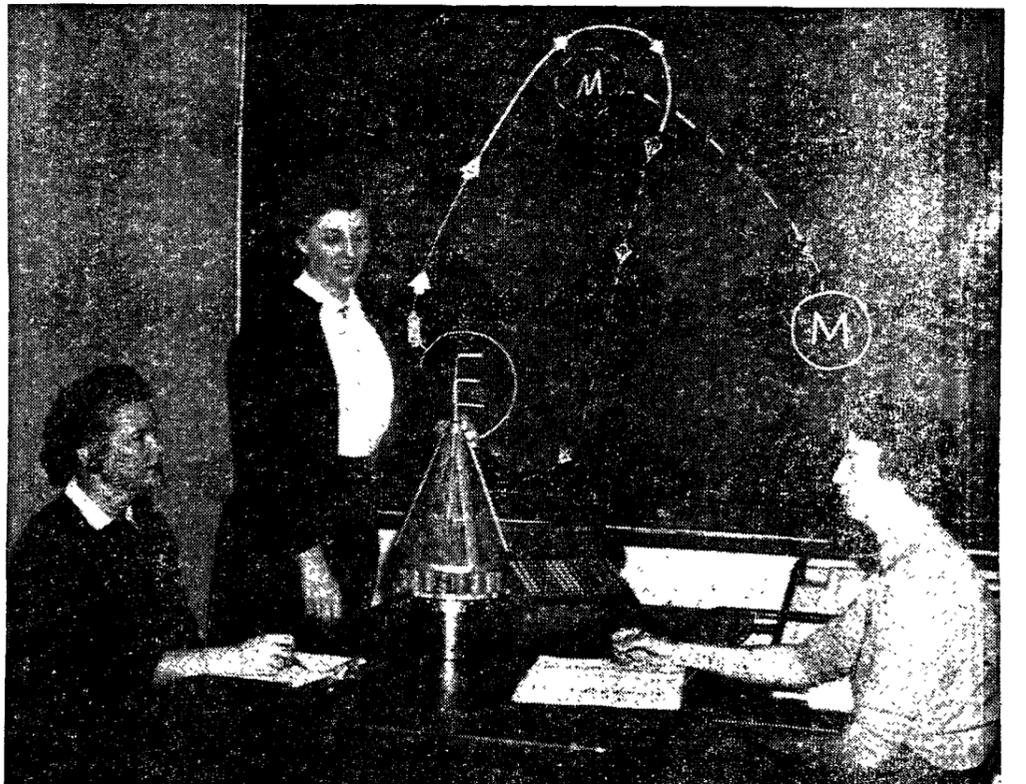
MRS. ANNE McNAIR of the Aeroballistics Laboratory, Army Ballistic Missile Agency, checks over data in preparation for determining the injection point into spatial flight for the Army's space probe. Shortly after firing, she helped determine this point with the assistance of data received from several Doppler tracking stations, three of which are indicated by stick of chalk on the contour map.



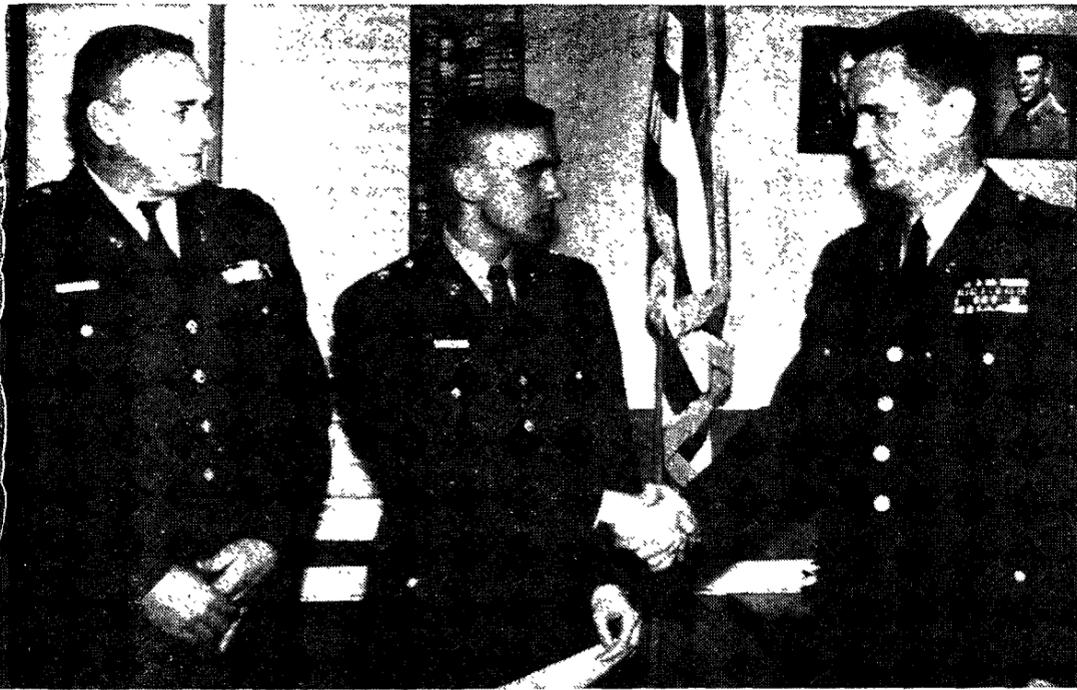
MRS. MARY COX, Mrs. Willie S. Byars, and Mrs. Mary W. Derryberry of the Guidance and Control Laboratory, Army Ballistic Missile Agency, discuss various drafting problems associated with the space probe project. Mrs. Cox and Mrs. Byars worked on drawings for the modified Jupiter missile's electrical system while Mrs. Derryberry did drawings for various support equipment for the missile.



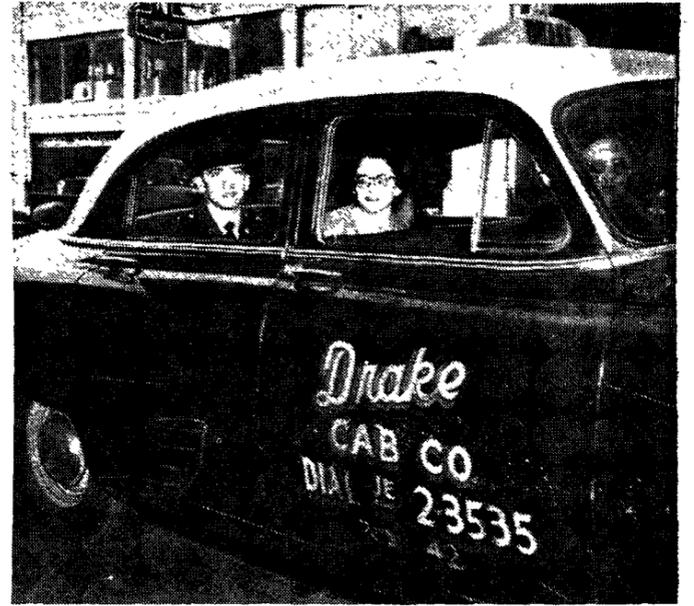
MISS JOAN KRAMER, Mrs. Lakie S. Mowell, Mrs. Elizabeth Varnedoe, and Mrs. Valeria G. Wells of the Structures and Mechanics Laboratory, Army Ballistic Missile Agency, discuss their work on the modified Jupiter missile which served as first stage for the Army's Juno II. A model of the space probe rocket is shown on the table.



MRS. RACHEL H. COOK, Mrs. Ann B. Folsom, and Miss Betty Jo Long of the Systems Analysis and Reliability Laboratory, Army Ballistic Missile Agency, discuss a dummy model of the payload for the Army's space probe.



**'SOLDIER OF MONTH' HONORED** — Pvt. Joseph L. Landis (center), recently named Redstone Arsenal's "Soldier of the Month," receives congratulations from Col. K. T. O'Keefe (right), RSA Commander, while his unit commanding officer, Capt. Preston R. Jett, looks on. Pvt. Landis is company clerk of Headquarters, Det. B. Ordnance Guided Missile School. A native of Sheridan, Ind., he holds a B.S. degree in education from Butler University, Indianapolis, Ind. He and his wife presently reside at 806 Randolph Ave., Huntsville.



**FREE RIDE**—Pvt. and Mrs. Joseph L. Landis take a "free ride" in a Drake Cab Co. taxi as part of his reward for being named Redstone Arsenal's "Soldier of the Month" recently. All transportation was provided by Drake during the honor soldier's three-day pass holiday.

ing to Robert Cuthill, president of the AOA post and Chief Engineer for the Army Ordnance Missile Command. He said details regarding procedures for selection of scholarship recipients, and other aspects of the program, will be announced later.

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commendable," Cuthill added.

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**WELL DESIGNED** — Trim Angie Dickinson is being hailed as a sensation for her role as a dancehall girl in the upcoming film "Rio Bravo." Where's the dancehall?

**International Assn. Of Machinists Sets Two Meetings Thurs.**

In connection with organizing campaigns in this area, the International Association of Machinists, AFL-CIO, will hold open mass meetings on Thursday, Mar. 12, at 1:30 p.m. and 7:30 p.m. at the Carpenters Building, 2505 Clinton Ave., West Huntsville.

All Redstone Arsenal employees and others interested in union representation are invited to attend.

Two affiliates of the Machinists Union are located in Huntsville, Lodge No. 336, which has a membership composed of Civil Service employees, and Lodge No. 1325, which represents contract shop employees in this area.

Both lodges are presently conducting drives for an increase in membership and employes representation expansion by the International Association of Machinists. Representation petitions are pending before the National Labor Relations Board for additional employees in production and maintenance at both the Thiokol, and the Brokn Engineering Co. plants, according to John W. Carlton, Grand Lodge Representative.

Grand Lodge Representative L. M. Fagan will be at the meeting to furnish first-hand information on the pending NLRB cases. He handles cases before the Board in Atlanta, Ga. Labor Educational sound films will be shown.

**Tenn. Valley Post Of AOA to Administer \$10,000 Scholarships**

The Tennessee Valley Post of the American Ordnance Association has been named administrator of \$10,000 in college scholarship funds donated by two Huntsville organizations.

Scholarships in the amount of \$5,000 each were recently set up by Brown Engineering Company, Inc., and the Human Resources Foundation, Inc.

The Brown Engineering scholarship will be awarded to a male student and the other to a woman. The Human Resources Foundation represents a unique pioneering community effort to solve area employment problems through job placement, education, and creation of new job openings.

A program for administration of the scholarships will be established in the near future, accord-

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**IN LITTLE THEATRE PLAY**—Mrs. Mary Sandlin, as the wife, serves a cup of coffee to Pvt. Tom Jamison, as the father, in a rehearsal scene from the Huntsville Little Theater production of "Hatful of Rain," to be produced at the Huntsville High School Auditorium on March 12, 13, and 14 at 8:15 p.m.



**SURGEON GENERAL AT CAPE**—The Surgeon General of the Air Force, Maj. Gen. O. K. Niess (second from left), toured the Army Ballistic Missile Agency's Missile Firing Laboratory at Cape Canaveral, Fla., recently. Shown with the general are Karl Sandler of the Firing Lab (left); Col. George Knauf, staff surgeon at the Air Force Missile Test Center; and Lt. Col. Ray Towns of USAF Headquarters.

# SPORTS

## 'Missilemen,' Thiokol Volleyball Teams Compete in Tourney

Two volleyball teams made up primarily of Redstone Arsenal employees competed last Saturday in the State YMCA Volleyball Tournament held at Anniston.

The "Missilemen" finished third and the Thiokol team finished fourth in the five - team

tourney. Members of the "Missilemen" were Ervin Ruutelman, Rein Ise, Richard Shingler, Jim More, Francois Biggote, George Ferrell, Bill Grotzinger, James Rerod, and Shorter Strang. Thiokol's team consisted of Marvin Potts, Harold Carlyle, Billy Lusk, Billy Joe Walker, Charles Stringer, Hollis Hinkle, Billy Michaels, and Leroy Cunningham. Besides the two local squads, teams from Birmingham, Montgomery, and Anniston participated. Birmingham YMCA was the winner.

### VOLLEYBALL SCHEDULE

March 11 — 226th Ord Plt. vs. "A" Det ARGMA—1800.  
Hq & Hq Det vs. UTC OFF—1900.  
"B" Det ABMA vs. "A" Det OGMS—2000.  
March 12 — 228th Ord Plt. vs. "B" Det OGMS—1800.  
865th AF vs. "A" Det OGMS—1900.  
UTC EM vs. UTC Officers — 2000.  
March 13 — 226th Ord Plt vs. "A" Det OGMS—1800.  
Hq & Hq Det vs. "B" Det OGMS—1900.  
"B" Det ABMA vs. 864th AF—2000.  
March 16 — UTC Officers vs. "A" Det ARGMA—1800.  
865th AF vs. "A" Det OGMS—1900.  
UTC EM vs. "B" Det OGMS—2000.  
March 17 — Hq & Hq vs. 228th Ord Plt — 1800.  
UTC Officers vs. "A" Det OGMS—1900.  
226th Ord Plt vs. 864th AF — 2000.

## 'A' Det. OGMS Wins Unit Level Volleyball Tournament Crown

"A" Det. OGMS won the Redstone Arsenal Unit Level Volleyball Tournament championship by defeating 3rd ETD two straight sets.

After losing to "B" Det. ABMA, "A" Det. OGMS made a startling comeback in the losers bracket by winning over 3rd ETD (which went into the finals undefeated) in the final game 15-11 and 15-0. Carfagnini and Schmidt were the outstanding spikers for "A" Det. Outstanding for 3rd ETD were Noe and Tommey.

"A" Det. OGMS will represent Redstone Arsenal in the Third Army Volleyball Tournament to be held at Ft. McClellan, Ala., 17-20 March.

## Post Golfers Invited To Enter Tournament At Pensacola, Fla.

An invitation is extended to all professional and amateur golfers to enter the 10th Annual Navy Pensacola Invitational Golf Tournament which will be held 9-12 April at Pensacola.

This tournament promises competition at its best, plenty of refreshments to fill in between rounds, and fine prizes for the winner-runner-up and consolation winner of each flight.

The entry fee is \$10, which includes green fees and entertainment. Application with Certified Handicap must reach Bill Barkley, NAS Golf Club, Pensacola, Fla., by 6 April.

Additional information and application blanks are available at the RSA Special Services Office, Bldg. 3711.

### RSA MIXED OFFICERS BOWLING LEAGUE (2 Mar.)

Peapickers	123½	53½
Bombers	112½	67½
Hi-Counts	96½	83½
Pindroppers	92	88
D-Yanks	80½	99½
Bowlweevils	77½	102½
Holyrollers	70½	108½
Blindmice	66	113

## Activities Special Services

**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  
**CRAFTS SHOP OPERATING HOURS**  
Monday and Tuesday—Closed.  
Wednesday thru Friday 1400-1630 and 1730-2200.  
Saturday and Holidays 0800-1630  
Sunday 1230-1930.  
**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

## SPORTS QUIZ

1. After becoming heavyweight champ in 1952, how many times did Rocky Marciano defend his title?
2. What two countries compete in the International Walker Cup golf matches?
3. What college fieldhouse has the largest seating capacity?
4. Only four foreigners have ever held the heavyweight crown. Name three.
5. What racehorse holds the record for the largest winnings in one year?

### Answers:

1. Six.
2. U.S. and Great Britain.
3. Williams Arena, U. of Minnesota.
4. Fitzsimmons (England), Burns (Canada), Schmeling (Germany), and Carnera (Italy).
5. Nashua, 1955, \$752,550.

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.

Huntsville Little Theatre

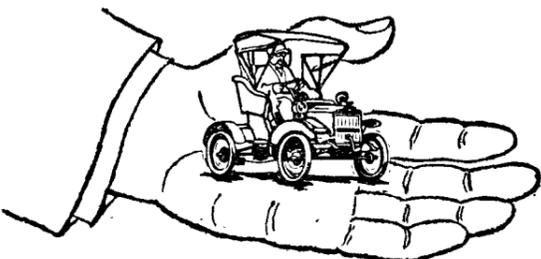
# "HATFUL OF RAIN"

By Michael M. Gazzo

Huntsville High School Auditorium

MARCH 12 - 13 - 14  
8:15 P.M.

Not Recommended for Children



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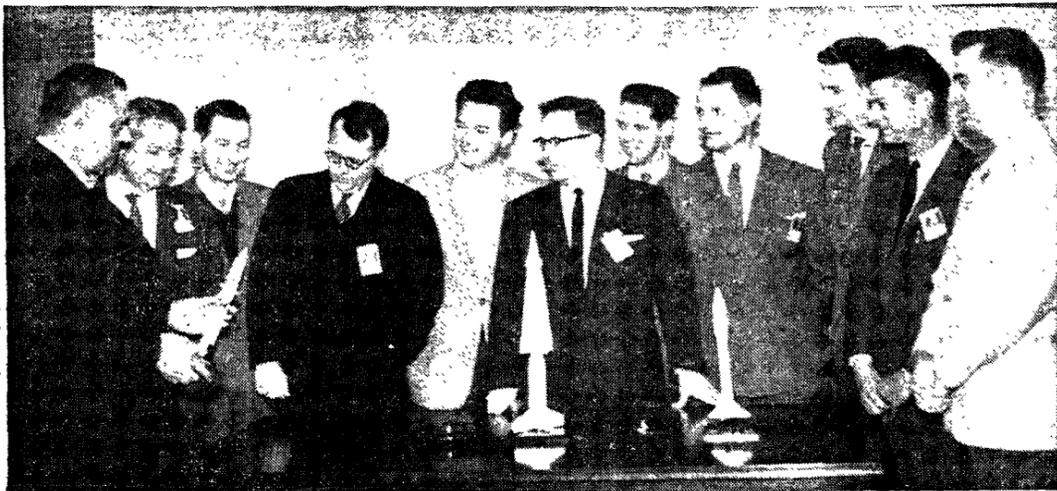
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AT METEOROLOGICAL ROCKETS AND INSTRUMENTS CONFERENCE—W. C. Davis (extreme left), of R&D Staff Assistance Division, AOMC Signal Office, shows models of Army missiles to conferees at a recent Meteorological Rockets and Instruments Conference held at Redstone Arsenal. Left to right are Davis; Kenneth R. Jenkins, White Sands Missile Range, N. M.; Hans J. aufm Kampe, Signal Corps, Ft. Monmouth, N. J.; J. R. Burke, Office, Chief Signal Officer, Washington, D. C.; Orvel E. Smith, ABMA; John A. Brown, Aberdeen Proving Ground, Md.; Werner H. Alfuth, ABMA; Gerhard H. R. Reisig, ABMA; Helmut Lackner, ABMA; John A. Copeland, Army Electronic Proving Ground, Ft. Huachuca, Ariz.; William W. Vaughan, ABMA.

### Geronimo's Nephew Upholds Heritage Of Apache Courage

FORT CARSON, Colo.—Seion of a fighting family, Sergeant Callis Lupe hasn't let the fact that he's a medical aid man interfere with his being a much-decorated combat soldier.

A grandnephew of Apache Chief Geronimo, his feats of heroism have brought him awards of the Silver Star and Soldier's Medal in Korea. While serving as a medic with the Rangers in 1951, his unit was cut off 15 miles behind enemy lines in North Korea. He helped two badly wounded men safely through enemy lines, escaping with a bullet hole in his field jacket.

Lupe entered the Army in 1942 as a medical aid man, later served with the 2nd Battalion of "Darby's Rangers" in Italy and Germany. In Korea he was assigned to the 38th Infantry Regiment of the 2nd U. S. Division and to Dutch and French battalions.

His decorations include two awards of the Silver Star and two of the Bronze Star for valor, two Purple Hearts, and the Soldier's Medal.

The Apache Indian soldier was a deputy sheriff in his home town of Cibique, Ariz., before entering the Army. He plans to return to law enforcement work when he retires from the Army in 1962.

### U. S., German Units Develop Teamwork In Small Exercises

WILDFLECKEN, Germany — NATO teamwork isn't all "high" level.

German and American troops stationed in Germany have been getting together for combined training in enthusiastic apprecia-



COMPLETES COURSE—Col. Harry C. McClain (left), Post Surgeon at Redstone Arsenal, receives his diploma for completion of the two-week Medical Aspects of Missile Operations Course at Patrick Air Force Base, Fla., from Brig. Gen. William L. Rogers (right), Vice Commander of the Air Force Missile Test Center, as Col. George M. Knauf, School Commander, looks on. Col. McClain was one of 25 Army and Air Force students graduated recently as the second class in the world's first missile-medicine school.

tion of each other's armed forces.

One such recent operation was an infantry-tank assault. The Bundeswehr's 52nd Grenadier Battalion furnished a platoon of infantrymen, and the U. S. 3rd Armored Division's 12th Cavalry a tank platoon.

After a briefing by Oberfeldwebel (Sergeant First Class) Ferdinand Schueller of the infantry and First Lieutenant Ernest D. Sprinkel, tank commander, the combined force successfully assaulted two objectives.

"One of our main purposes was to have the two groups work together," was the way Sprinkel, of (311 West H St.) Ontario, Calif., described the operation. His comments were echoed by German officers who added, "The men welcomed the combined training exercise. We feel it is good to work together."

READ THE WANTADS

## WOODY'S DRIVE-IN

OPEN 6:00 - START 6:30

THURSDAY & FRIDAY

### THE NIGHT HOLDS TERROR

with JACK KELLY - HILLY PARKS - VINCE EDWARDS - JOHN CASSAVETES - DAVID CROSS

Written, Produced and Directed by ANDREW STONE

— PLUS —  
"UNKNOWN TERROR"  
John Howard  
Mala Powers

SATURDAY

### ROBERT MITCHUM CINEMASCOPE MARILYN MONROE River of No Return

Plus  
"THE HARD MAN"  
Guy Madison  
in color

SUNDAY & MONDAY

### DARRYL F. ZANUCK'S THE ROOTS OF HEAVEN

Directed by JOHN HUSTON  
CINEMASCOPE COLOR BY DE LUXE

### Under Secretary Is Army 'Ensign'

PHILADELPHIA — It it had not been for Benjamin Franklin Army Under Secretary Hugh M. Milton II — who also happens to be a major general in the Army Reserve — wouldn't be the lowest ranking "officer" in today's Army.

The 111th Infantry of the Pennsylvania National Guard traces its origin back to the Associators Regiment of Foot of Philadelphia, founded by Franklin in 1747.

The regiment has an annual formal dinner to which it invites the officers of the Canadian Army's Black Watch Regiment to commemorate the battles of the French and Indian War during which the units fought side by side.

As part of the ceremonies, distinguished guests of the regiment are awarded honorary commis-

sions. Thus Under Secretary of the Army — and Major General — Milton, was "commissioned" at the recent dinner here. His rank? Army ensign — lower than second lieutenant — now obsolete.

"I want a very fine dog," said Mrs. Newlyrich haughtily. "Has this one a pedigree?"  
"Lady," said the kennel man, "if this dog could talk he would not speak to either of us."

READ THE WANTADS

## GRAND THEATRE

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JOHN MARTIN, NEW YORK TIMES

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SATURDAY

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SUNDAY & MONDAY  
"NEVER STEAL ANYTHING SMALL"  
James Cagney  
Shirley Jones

TUESDAY & WEDNESDAY

### MOVIE STAR KILLED ON THE RIVIERA!

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### "THE WHOLE TRUTH"

and introducing GIANNI MARIA CANALE

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TOM KELLY JACKIE MORAN MAY ROBSON

SUN., MON., TUES., WED.

### RITA HAYWORTH BURT LANCASTER DEBORAH KERR DAVID NIVEN SEPARATE TABLES

## PARKWAY

WED., THURS., FRIDAY

### Walt Disney's TONKA

SAL MINEO Technicolor

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ALDO RAY  
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# ABMA and ARGMA Tracking Stations Traced Pioneer IV's Path

As Launching Nearing

## IT WAS NIGHT OF TENSION ATOP MONTE SANO IN ABMA'S TRAILER

In the windowless trailer which houses the Army Ballistic Missile Agency tracking station atop Monte Sano at Huntsville, tension mounted last week as final preparations were made at the Atlantic Missile Range, Fla., for the launching of the Pioneer IV Army-NASA deep space probe.

Inside the 40-foot trailer, Guidance and Control Laboratory personnel completed final adjustments in the sensitive equipment as the countdown progressed to "firing command."

Alongside the trailer, atop a 20-foot steel structure, the station's "ear to the sky", a 14-foot parabolic antenna, was trained to receive signals from Pioneer IV as it left the launching pad.

X minus 5, and a hush fell over the trailer. Only the hum of electrical equipment pierced the silence.

Thomas A. Barr, in charge of the station, manned the receiver. R. N. DeWitt prepared to operate the digital recorder. Paul Swindall donned earphones and reached for the two bright red dials which would direct the antenna.

James Mahathey was responsible for maintenance of the power supply. R. A. Clinton stayed on the phone with the Army Ballistic Missile Agency's Computation Laboratory and relayed the countdown.

T minus 3 . . . holding . . . T minus 2. Then T plus 30, and Pioneer IV was climbing on its journey into space as recorders at the station were put into operation and the antenna scanned the sky.

The seconds ticked by. T plus 120. T plus 160. Then, suddenly, the whine of signal was received and Pioneer IV's voice filled the trailer. Everyone listened intently for the shift in signal which would indicate firing of the three high speed upper stages of the Juno II rocket. Not until its journey would carry it once again above the horizon would the station re-acquire the signal.

When the signal was re-acquired at 3 a.m. the station was utilizing a parametric amplifier provided by International Telephone and Telegraph Corporation, which greatly increased the volume of the signal. Frederic Kupersmith of IT&T was in charge of the operation of this equipment.

A 40-foot trailer which houses the tracking station is a newcomer to the Monte Sano scene. Located in the back yard of Burritt Museum, the trailer with its complexities of modern day electron-

ic equipment is in sharp contrast to that familiar mountain landmark and its historic treasures.

Decision to locate the station atop Monte Sano was based on the fact that an antenna turned southward toward Cape Canaveral from any vantage point on Redstone Arsenal always faces Monte Sano. Thus the mountain is directly in the path of signals to be received, interfering with optimum reception. The best solution to the problem was to locate the station on top of the mountain.

Installation of the station took approximately three weeks. The equipment was ready for operation a week ago.

Inside the trailer, one wall contains a 6-foot high bank of electrical equipment including the receiver, the digital recorder and the antenna control, which puts forth a complex set of dials, knobs, and connections.

Along the other wall, a three-foot "kitchen cabinet array" holds the innumerable tools and parts required for maintaining operation of the station. The top of the cabinet serves as working space, and also as space for the station's graphic recorders, and a calculating machine.

In addition to providing data concerning the flight of Pioneer IV, the station is playing an important role in tracking research in its utilization of the IT&T parametric amplifier.

Guidance and Control Laboratory personnel responsible for the operation of the station are employed with the Radio Frequency Development Section, Instrumentation Branch. Otto Hoberg heads the Branch; Grady Saunders is Section Chief.

In addition to the local station, the laboratory supervises operation of a tracking station at Ft. Stewart, Ga., which utilizes a 10-foot parabolic antenna.

## Walt Barney Heads RSA Toastmasters

New officers of Redstone Toastmasters Club No. 1932 were named at the group's March 3 meeting.

They were: Walt Barney, president; Bob Smith, educational vice-president; Roy Pugh, administrative vice-president; Bob Reeder, secretary; Steve Dobbs, treasurer; and Norman Hedges, sergeant-at-arms.

At the meeting, Pugh, won a cup for being best speaker of the evening. Other speakers on the

## Signals Received 200,000 Miles Away by ABMA

Signals from Pioneer IV were heard for the last time at the Army Ballistic Missile Agency tracking station on Monte Sano at 11:30 a.m. last Wednesday.

It was estimated that the Army-NASA space probe was then close to 200,000 miles from the earth.

The extreme range of the station's tracking was made possible by use of a new experimental parametric amplifier supplied by International Telephone and Telegraph Corporation. Frederic Kupersmith of IT&T operated the equipment for the Guidance and Control Laboratory of the Army Ballistic Missile Agency.

ABMA scientists offered two possible explanations for loss of the signal: the great distance of the probe or unfavorable radiation pattern from the space vehicle.

Signals from Pioneer IV were first received at the Station shortly after the March 2, 11:11 p.m. launching CST and continued for approximately 10 minutes.

Signals were re-acquired at 3 a.m. on March 3 and continued until 1:09 p.m., March 3. Reception resumed for the last time at 4:30 a.m., March 4. Good signals were received on that date until 8:45 a.m. hereafter the signal began to fade and tracking continued intermittently until 11:30 a.m.

Loss and re-acquiring of Pioneer IV's signal during the tracking operation was a result of the rotation of the earth, which caused the space probe to disappear for certain periods over the horizon in relation to the Monte Sano station.

The National Aeronautics and Space Administration has been receiving continuous telemetry from other stations.

program were Smith, Ernest Williams, and Ace Edens. Toastmaster was Maj. Jack Caryi. Topicmaster was Herb Adcock and Parliamentarian was Reeder.

## ARGMA RADIO RECEIVING EQUIPMENT FOLLOWED PROBE FOR 50,000 MILES

Radio frequency receiving equipment operated by personnel of the Missile Electronics Laboratory, Ordnance Missile Laboratories Division, Army Rocket and Guided Missile Agency, received signals from the Pioneer IV Army-NASA space probe until it neared the 50,000 mile mark on its way through outer space.

Signals were intercepted at the Arsenal field site of the radio receiving laboratory shortly after lift-off of the space rocket from its launching pad at the Atlantic Missile Range, Fla.

Tracking of the signal continued until the probe dropped below the horizon — a matter of minutes. The probe appeared above the horizon again at approximately 3:15 a.m. the following morning, and the signal was again received and recorded. It faded out as Pioneer IV approached 50,000 miles from the earth.

The ARGMA tracking station utilized a 15-foot parabolic antenna, designed and built by the Missile Electronics Laboratory. Special phase-lock receivers permitted the recording of the signals broadcast by the probe's radio transmitter.

Pioneer IV was launched into space at 11:11 p.m. (CST) March 2. Preparation and launching of Pioneer IV was the responsibility of the Army Ordnance Missile Command's Ballistic Missile Agency at Huntsville, and the NASA Jet Propulsion Laboratory at Pasadena, Calif.

## Space Technology Course Lectures Set

Two filmed lectures are scheduled tonight at 7:30 p.m. at Lee Junior High School as part of the Space Technology Course being sponsored by the University of Alabama and the Huntsville Chapter of the American Rocket Society.

Tonight's lectures are "Exploration of Mars," by Dr. Wernher von Braun, and "Magneto Hydrodynamics," by Milton Clauser.

## CARTOON OF THE WEEK

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## Movie Schedule

Wednesday, 11 March, "Speed Crazy," starring Brett Halsey and Yvonne Lime. Time 1315, 1745 and 1945.

Thursday and Friday, 12 and 13 March, "The Mating Game," starring Debbie Reynolds and Tony Randall. Time 1315, 1745 and 1945.

Saturday, 14 March, SPECIAL MATINEE, "Bail Out at 43,000", starring John Payne and Karen Steele. Time 1000.

Saturday, 14 March, "Joe Butterfly" starring Audie Murphy and George Nader. Time 1745 and 1945.

Sunday and Monday, 15 and 16 March, "Westbound" starring Randolph Scott and Virginia Mayo. Time Sunday 1400, 1745, and 1945; time Monday 1315, 1745, and 1945.

Tuesday, March 17, "Don't Go Near the Water," starring Glenn Ford and Gia Scala. Time 1745 and 1945. No Matinee.



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### Chaplain Teaches Combat Leadership At NCO Academy

MUNICH, Germany—Students at the Seventh Army Non-Commissioned Officers Academy are learning combat leadership from an experienced instructor—a chaplain.

"Fear of battle is the greatest single problem of leaders in war," Captain William G. Devanny of (555 Rahway Ave.) Woodbridge, N. J., tells his class. The chaplain speaks with authority. An enlisted man in World War II, he wears the Combat Infantryman's and Master Parachutist Badges.

"Some of you here," he says "may have military occupational specialties that do not call for combat, but remember, in 1942 sailors were taken off ships and bakers from their ovens and put in the front lines in the Philippines. It can happen to any of us.

"The ability to recognize and overcome fear is the definition of courage. Appeal to the man's pride and unit—stress teamwork. A sense of right allows him to control fear and do his job. Never tell a man he's yellow—he'll behave that way.

"Never let them question their ability to do their job. Responsibility for the controlling of fear falls not on the shoulders of a general, a field or company grade officer, but on the NCO. That's why you're in this class," he concludes.

### Infantrymen Testing Jets' Vulnerability To Small Weapons

FORT ORD, Calif.—Jets, flying at better than 450 mph, plummet down from behind high-flying clouds. Is it futile for the soldier to fire his infantryman's weapons at the plane as it screeches along "on the deck?" Or is the pilot being foolhardy?

Vulnerability testers of low-flying Air Force and Army jet planes experiment with formations, speeds and altitudes at Hunter Liggett Military Reservation to gather data for the later analysis by scientists of the Army's Combat Development Experimentation Center, headquartered here.

The infantry gunners are firing with motion picture film as ammunition. When developed and studied in correlation with information about the weapon, its position when fired, and other

## How's Your Know-How?

(AFPS Weekly Feature)

1. Which is older, the Neanderthal or Cro-Magnon period?

2. Name the five most popular card games in the U. S. in order of their popularity.

3. When and where did America's first major fire occur?

4. Why are members of Congress called solons?

5. Ice cream is a top favorite with (a) Americans (b) Russians.

**Answers to Quiz:**  
1. The Cro-Magnon followed the Neanderthal.

2. Canasta, contract bridge, poker, pinocle and solitaire.

3. At Jamestown, Va., in 1608. It burned out the entire settlement.

4. Solon, "the law giver", was an Athenian noted for his learning and wisdom. He revised the Athenian constitution.

5. Russians eat three times more ice cream, per person, than do Americans.

As the freshman queen walked by, one freshman said to another: "Man, she sure knows how to fill a beanie, doesn't she?"

pertinent facts about the specific combat situation being simulated, the Army is gathering acts that may affect its tactics tomorrow.

The hundreds of flight missions involved in these studies are controlled from a tower perched high on a peak that offers an unobstructed view for many miles in all directions. By radio or electronic signal devices, the control tower operators relay their orders to the orbiting jets to thunder down within range of the infantry gunners.

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### Operation Blonde



### Births at Post Hospital

Diane Elizabeth Turner, 5 lbs. 8 ozs., 21 Feb. daughter of Sfc. and Mrs. Gordon Turner.  
Robert Allen Brazzell, 6 lbs. 11

ozs., 25 Feb. son of Sgt. and Mrs. Marion A. Brazzell.

David Christopher Northrup, 4 lbs. 7 ozs., 27 Feb. son of Sp-4 and Mrs. Charles D. Northrup.

Angela Evelyn Spiers, 7 lbs. 11 ozs., 27 Feb., daughter of Sp-4 and

Mrs. Thomas E. Spiers.

Wesley Paul Hursey, 8 lbs. 10 1/2 ozs., 3 Mar., son of Sp-4 and Mrs. Bernice S. Hursey.

Steven Dean Bradshaw 8 lbs. 1 oz., 4 Mar., son of Lt. and Mrs. Harold D. Bradshaw.

## UNIVERSITY OF ALABAMA, HUNTSVILLE CENTER

March 23 — Spring Quarter 1958-59 — June 4

MONDAY — WEDNESDAY 5:50-7:55

Course	Prerequisite	Sem.Hrs.
Accounting 1, Principles of Accounting	None	3
Accounting 3, Accounting Analysis	Acctg. 2	3
Art 11a, 11b, 12a, 12b, Drawing (Mon. 6:00-10:00)	None	1 1/2
Biology 1, Gen. Biology (Plant) (Lab: Tuesday 6:00-10:00)	None	4
Chemistry 2, Gen. Chemistry (Lab: Thursday 6:00-10:00)	Chem. 1, Math 9 or 11	4
Drawing 31, Engineering Drawing (6:00-10:00)	None	2
English 1, English Composition	None	3
English 65, Shakespeare	9 hrs. English	3
History 21, Development of the U. S. to 1865	None	3
Math 01, Elementary Algebra	None	NC
Math 9, College Algebra	None	3
Math 11*, Introductory College Mathematics	See note below	3
Math 15, Trigonometry	Math 11 or 9	3
Math 49a, Calculus and Analytic Geometry	Math 25	3
Math 90, Introduction to Real Analysis	Math 51	3
M. E. 106, Heat Transfer	ME 51 or 102	3
M. H. 82, Dynamics	MH 81, Math 51	3
Speech 1, Basic Speech	None	3

MONDAY — WEDNESDAY 7:55-10:00

Accounting 53, Intermediate Accounting	Acctg. 3	3
A. E. 92, Airplane Performance	AE 91, Math 51	3
Business Law 51, Introduction to Business Law	Jr. Standing	3
English 03, Fundamentals of English	None	NC
English 1, English Composition	None	3
English 2, English Composition	English 1	3
History 74, Foreign Relations of the U.S. since 1898	9 hrs. History	3
Marketing 53, Marketing	Economics 11	3
Math 95, Differential Equations	Calculus	3
M. E. 1, Mechanisms (Lab: 9:00 a.m.-1:00 p.m. Saturday)	Drawing 31, Phys. 6, Math 51	4
M. E. 102, Thermodynamics	Math 51, Phys 6	3
M. H. 81, Statics	Phys 5, GLS 12, Math 51	3
Philosophy 3, Problems of Philosophy	None	3
Physics 6c, Technical Physics (Heat, Light, and Sound) (Lab: Mon. 5:00-8:00)	Math 15, Phys. 5c	3
Political Science 15, International Politics	Soph. Standing	3
Psychology 3, General Psychology	Psych 1, or Jr. Standing	3

NOTE: Math 11\* is a new course required by the Engineering College. Prerequisites are Math 11 as taught previously at the Huntsville Center or 3 units of high school mathematics including two years of algebra and a score of 24 or higher on the mathematics entrance examination. Math 11 as taught before January 1959 is henceforth Math 9.

Late registration continues for one week after classes begin. Any class not enrolling sufficient number of students will be postponed.

Students desiring to enroll in English 1 or Algebra must take placement tests prior to beginning of classes. These tests are given March 14-Sat. 9:00 and 11:00 a.m. and March 24-Tuesday 6:00 and 8:00 p.m.

TUESDAY — THURSDAY 5:50-7:55

Course	Prerequisite	Sem. Hrs.
Drawing 32, Engineering Drawing II (6:00-10:00)	Drawing 31	2
Drawing 33, Descriptive Geometry (6:00-10:00)	Drawing 31	2
Economics 11, Principles of Economics, Part I	None	3
Ed. Psych. 63, Educational Psychology	Ed. Psych. 21 or equiv.	3
E. E. 92, Electrical Machinery	EE 91 or 93, Math 51	3
English 1, English Composition	None	3
English 2, English Composition	English 1	3
English 6, English Literature	English 1-2	3
French 3, Intermediate French	French 2	3
German 3, Intermediate German	German 2	3
History 25, History of Alabama to 1860	None	3
I. E. 99, Methods and Measurements	IE 55 or Perm. of Instruction	5
Management 52, Labor Economics	Econ 11-12	3
Math 02, Plane Geometry	None	NC
Math 15, Trigonometry	Math 9 or 11	3
Math 49b, Calculus & Analytic Geometry	Math 49a	2
Music 49, Introduction to Music Listening, Thursday only	None	2
Physics 5c, Technical Physics (Mechanics) (Lab. Wed. 5:00-8:00)	Math 15	3
Political Science 3, Functions of American Government	Polit 1	3

TUESDAY — THURSDAY 7:55-10:00

Accounting 2, Principles of Accounting	Acctg. 1	3
Astronomy 1, Introduction to Astronomy	None	2
English 9, American Literature	English 1-2	3
French 1, Elementary French	None	3
GES 12, Engineering Preview	Math 11 or 9	2
History 1, History of Western Civilization	None	3
Math 01, Elementary Algebra	None	NC
Math 9, College Algebra	None	3
Math 11*, Introductory College Mathematics	See note on center page	3
Math 25, Analytic Geometry and Calculus	Math 15	3
Math 51, Calculus	Math 49a and b	3
M. H. 128, Mechanical Vibrations	MH 82, 94, Math 95	3
Physics 7c, Technical Physics (Electricity and Magnetism) (Lab: Mon. 5:00-8:00)	Phys 5c or 6c	4
Physics 57, Basic Electronics (or to be announced)	8 hrs. Physics	4
Psychology 29, Applied Psychology	Psych 1 or 3	3

(1) Less Laboratory.

(2) Arts and Sciences student must take English 5 before English 6.

(3) Laboratory sessions for this class will be held on the campus on selected Saturdays. IE 99 will be taught in the summer for 2 semester hrs. credit. Extra sessions required.

(4) This course may be taken non-credit. Other hours to be arranged.

(5) Extra sessions required.

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FAYETTEVILLE



**AT NURSING COURSE**—Redstone Arsenal Girl Scouts met for the last session of a Red Cross sponsored home nursing course in the care of the sick and injured last Wednesday afternoon at the Arsenal Scout hut. In the background are the Scout leaders, Mrs. T. J. Seigler and Mrs. C. J. Payne. At extreme right are the course instructors, Mrs. C. A. Heath and Mrs. Lloyd W. Connor.

**Arsenal Girl Scout Troop Ends Course In Home Nursing**

Members of the Redstone Arsenal Girl Scout Troop completed a home nursing course in the care of the sick and injured last week, becoming the first scout class in Madison County to graduate from the course.

Sponsored by the local Red Cross, the course consisted of 14 hours of instruction. The girls will receive certificates and pins from the Red Cross indicating their successful completion of the instruction.

Mrs. C. A. Heath, R.N., and

Mrs. Lloyd W. Connor, R.N., instructed the class. Also participating were the scout leaders, Mrs. T. J. Seigler and Mrs. C. J. Payne.

Those completing the course included: Mary Catherine Seigler, Sandra Webb, Candace L. Clark, Bette Leigh Payne, Vivian C. Arnold, Jarilyn J. Wald, Veronica C. Zierdt, Lynda Holmes, Nicole M. Ashley, Carol D. Lehtonen, Suzanne Darkin, Sheila A. Mickaels, Jeri Lynn Prewett, Katherine A. Connor, and Janice Kay Poindexter.

The Arsenal Red Cross is under the direction of Miss Corrie Knight.

Completion of the course came

just one week prior to Jane Delano Day, Mar. 12, which this year marks the 50th Anniversary of the home nursing service.

**Deft-nitions:** Minor Sport—one in which the coach makes only slightly more than a full professor; Climax—An instrument used by a mountain climber.

**WANTADS GET RESULTS**

**ARMY MAILMEN MEET PROBLEMS IN DAILY WORK**

VICENZA, Italy—"To Joe—the red-headed sergeant who drives a blue car" was the address on one of the 3,600,000 letters which the Army Post Office here handled during its just-ended first year of operation.

Delivering a letter such as the one to "Joe" is just part of a routine day's work for Chief Warrant Officer Richard G. Percival of Mt. Upton, N. Y., and the enlisted men of his unit who in the past year distributed 479 tons of mail while selling nearly \$2,000,000 worth of stamps and money orders.

Some of the problems the men encounter seemed humorous after they had been solved. "A soldier came in very excited and told me he wanted to rush a rather heavy package to his girl so she'd get it in time for her birthday," recalled Master Sergeant Edward Stelle of Murphysboro, Ill., Chief Postal Clerk. "When I told him it would cost \$7 to send it air mail he said that was completely unreasonable—the gift only cost \$3."

Another customer walked in just before Christmas, dumped an assortment of clocks, appliances and other gifts on the counter, handed a clerk a list of addresses, and told him to wrap and mail the purchases.

Incidents of this type cause plenty of difficulty for the postal workers, but even the locked cages in which they work don't protect them against the traditional foe of all mailmen—dogs.

Some of the canines jump from the floor through the clerk's window. The smaller dogs have a

better technique. They pester their masters until they are placed on the counter. They then merely have to reach over to sink their teeth into the clerk's hand.

**SNAFU**



EVER SINCE Cavanaugh finished reading "TREASURE ISLAND" HE HASN'T BEEN THE SAME.

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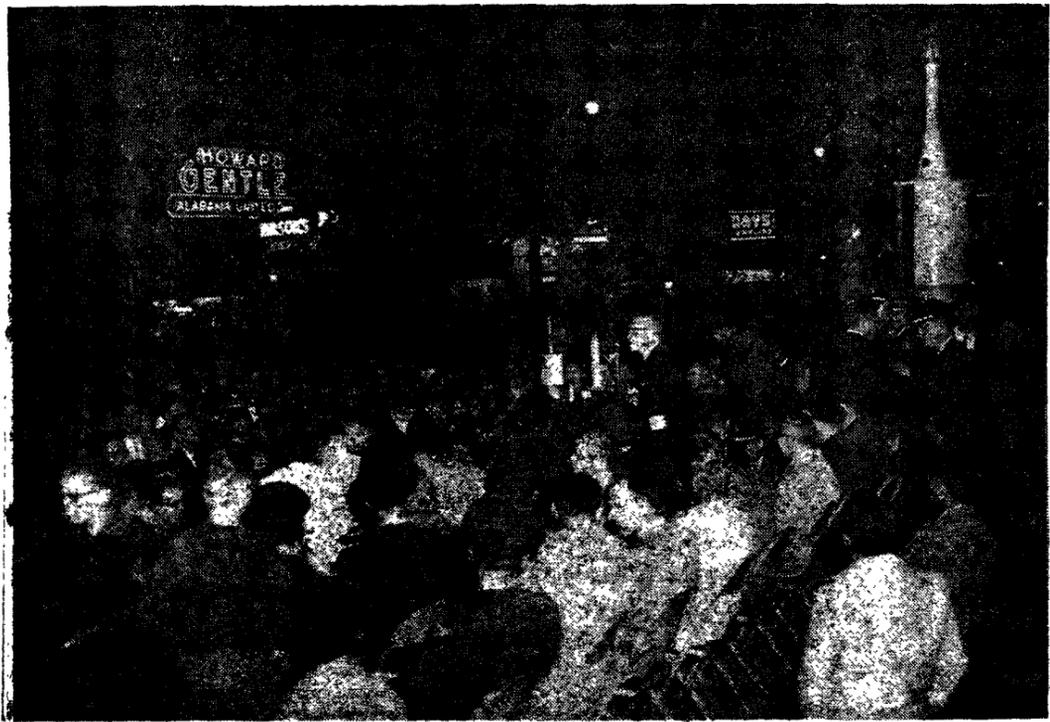
"For once I sat back and let someone else serve me," says Vincent Edwards. "And what service! What food! The hostess just never stopped catering to me!" Whoever you are, wherever you go, prepare to be pampered on Capital Airlines. You'll leave the plane smiling. Most everyone does. For your next trip, call your travel agent or Capital Airlines at Extension 3355 or Jefferson 9-2711

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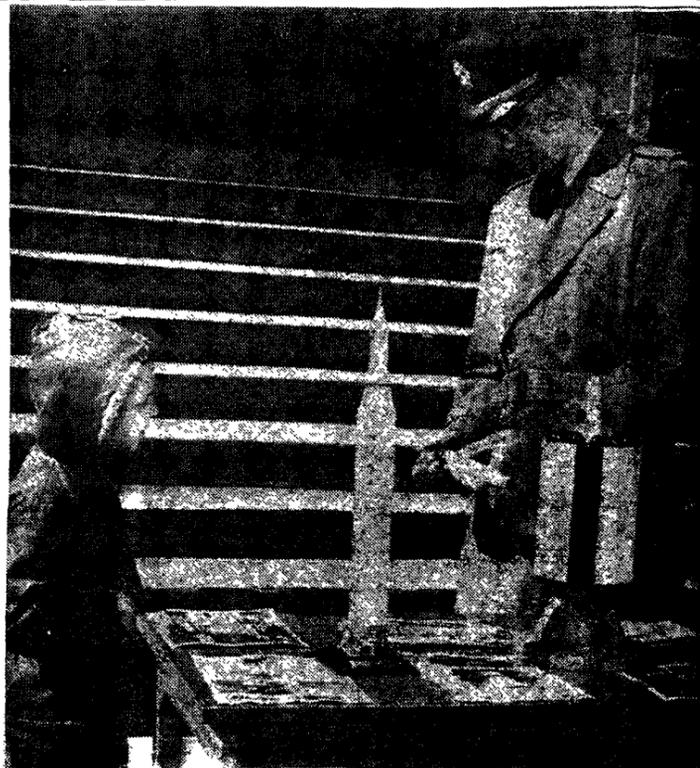


**Capital AIRLINES**

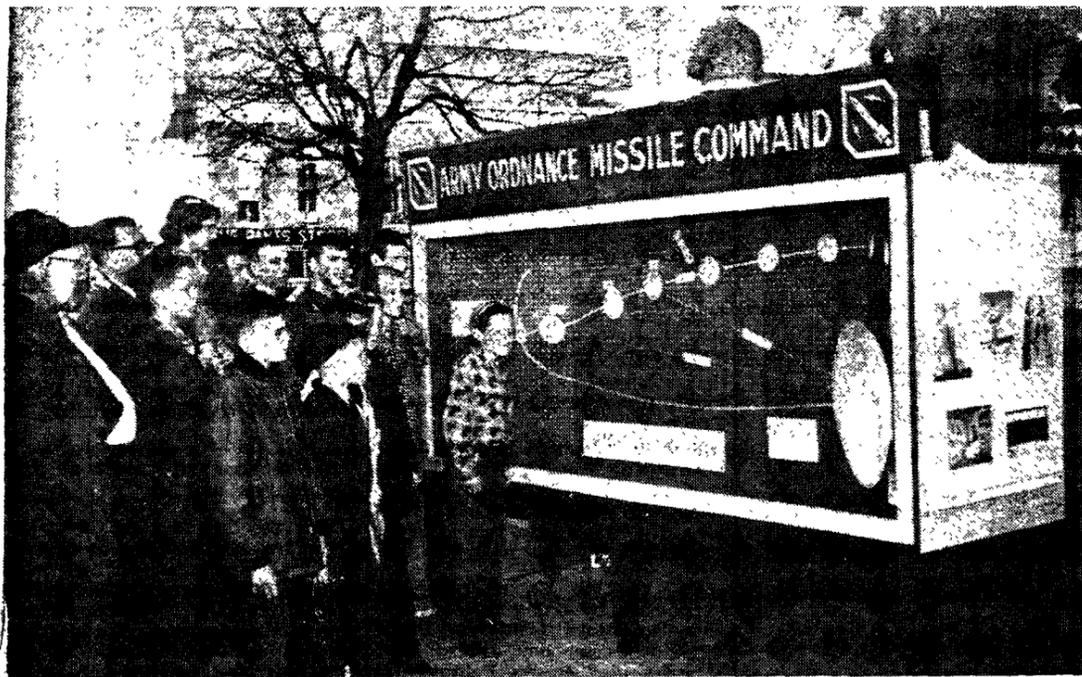
WORLD'S LARGEST JET-POWERED FLEET



**MAYOR ADDRESSES 'MOON-DAY' CROWD**—Huntsville Mayor R. B. Searcy is shown (near center of photo) as he addressed a huge crowd gathered at Courthouse Square to celebrate successful launching of Army-NASA Pioneer IV space probe last week. Speeches by other dignitaries including Maj. Gen. J. B. Medaris and Dr. Wernher von Braun, and introduction of ABMA scientists, followed mayor's talk.



**YOUTHFUL INTEREST**—Young Jimmy Kellar listens intently as Lt. Jerald M. Wennerstrom of ABMA explains workings of Pioneer IV space probe, demonstrating with models which were part of display at Huntsville's Courthouse Square last week. Youngster is son of Arsenal Photographer Bill Kellar.



**'IT WENT THATAWAY'** — Display board set up on Huntsville's Courthouse Square shows path of Pioneer IV space probe past moon and towards orbit around sun. Display was one of several exhibited in city as part of celebration of space probe's success.



**IN HUNTSVILLE PARADE** — Maj. Gen. J. B. Medaris (left) AOMC Commanding General, and Col. Thurston T. Paul, Deputy Commander of ABMA, lead the way in parade through downtown Huntsville last Wednesday during city's celebration of Pioneer IV success. Officer at right is Capt. William A. Brooks, aide-de-camp to Gen. Medaris.

## INCENTIVE AWARDS

Sustained Superior Performance Awards were recently presented to the following Civil Service employes at Redstone Arsenal:

- Mary Dodge, "Hans Brinker."
- Helen Doss, "All the Children of the World."
- Alexandre Dumas, "The Three Musketeers." (Juvenile edition).
- William Faulkner, "Sanctuary."
- Francis S. Fitzgerald, "Three Novels."
- ines to Glory."
- Amy Jensen, "The White House and Its Thirty-two Families."
- Raymond Jones, "The Year When Stardust Fell." (Juvenile)
- Guy de Lavour, "Caves and Cave Diving."
- David H. Lawrence, "Women in Love."
- Donald G. Macintyre, "Jutland."
- Jack McCormick, "The Living Forest."
- Patrick Moore, "Earth Satellites."
- Elsie Morton, "Crusoes of Sunday Island."
- Harry P. Orcutt, "America's Riding Horses."
- Drew Pearson, "U.S.A.—Second Class Power?"
- George A. Petrides, "A Field Guide to Trees and Shrubs."
- Felix Riesenberg, "The Story of the Naval Academy." (Juvenile)
- Henry Thomas, "George Washington Carver." (Juvenile)
- Ray Toepfer, "The Scarlet Girdle."
- Jules Verne, "The Mysterious Island."
- Robert Penn Warren, "Remember the Alamo!" (Juvenile)
- Albert C. Wedemeyer, "Wedemeyer Reports!"
- George A. Weller, "The Story of the Paratroops." (Juvenile)
- Robert Wells, "Messages, Men and Miles" (Juvenile)

### National Sojourners Chapter No. 353 Has Membership Drive

Redstone Chapter No. 353 of the National Sojourners is making a membership drive to make this chapter one of the outstanding ones in Masonry. All Master Masons in good standing who are now or who have ever served as Commissioned or Warrant Officers in the U.S. Army, Navy, Air Force, Marine Corps, Coast Guard, Public Health Service, and Geodetic Survey (or Reserve Corps of these bodies) are eligible for National Sojourners membership. The initial fee is \$10, which includes a year dues, the Sojourners badge, the subscription to the National Sojourners magazine, and other benefits. Thereafter, dues are \$5 per year. The local chapter has a program scheduled for this year which includes guest speakers of national prominence. All Master Masons, eligible for National Sojourners membership, desiring to become members of this active chapter are requested to contact Mr. Allen at ext. 4144 or 5680.

### Post Library

**ANNA L. FARRAR, LIBRARIAN**  
 "Handbook of Designs and Motifs."  
 Thomas Hardy, "The Mayor of Casterbridge."  
 Raymond Holden, "All About Famous Scientific Expeditions." (Juvenile)  
 Langston Hughes, "Tambour-

Are you a library user?  
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 Visit your library often.  
 These are some of the new books available now:  
 Louisa Alcott, "Eight Cousins." (Juvenile).  
 William Anderson, "Nautilus-

90-North."  
 Bruce Bliven, "The American Revolution."  
 Pierre Boule, "The Other Side of the Coin."  
 Stuart Crase, "Some Things Worth Knowing."  
 Jack Coggins, "Rockets, Jets Guided Missiles and Space Ships." (Juvenile)  
 Robert Considine, "Christmas Stocking."  
 Louis De Wohl, "The Joyful Begger."

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 Russel Erskine Bldg.



**PROVOST MARSHAL GENERAL VISITS**—Maj. Gen. Haydon L. Boatner (second from left), Army Provost Marshal General, visited Redstone Arsenal for an orientation tour recently. In photo above, Gen. Boatner receives demonstration of post's anti-intrusion device panel, operated by security guards. Left to right are Robert Labbe, of the Redstone Provost Marshal Office; Gen. Boatner; Col. Jay A. Dasche, Redstone Arsenal S-2 (Assistant for Security and Safety); and Lt. Col. Dean H. Jones, Redstone Provost Marshal.

**AIR FORCE PERSONNEL** who are in training to deploy the Army-developed Jupiter IRBM participated in a recent firing of the Jupiter at Cape Canaveral, Fla. Seen seated in the blockhouse are (from the front) M-Sgt. H. J. Schrubbe, T-Sgt. W. E. Spencer and M-Sgt. B. F. Williams, all of the 864th Strategic Missile Squadron (Jupiter) of Redstone Arsenal. Standing are Col. William C. Erlenbusch, CO of the 864th (left), and Lt. Col. John H. Brewster, deputy CO. Sgt. Schrubbe operated one of the blockhouse panels during the launching (26 Feb.). The Jupiter was developed by the Army Ballistic Missile Agency.

**Montgomery Firm Gets Contract for Aero Lab Facilities**

The firm of Butler & Cobbs, Montgomery, Ala., has been awarded a contract for constructing compressed air facilities for the Army Ordnance Missile Command at Redstone Arsenal, Huntsville, Alabama. The Army District Engineer at Mobile, Ala., announced last week that he has accepted the firm's low bid of \$67,734.50 for the job.

The contract includes salvaging existing facilities on the site, constructing a concrete compressor building and installing a Government-furnished multi-stage air compressor, constructing outside utilities and an access drive, and moving an existing high-pres-



FRED D. ROE

**Fred D. Roe Named 'Safety Supervisor'**

Fred D. Roe, foreman of the Lab & Test Equipment Wiring Shop, Electrical Equipment Section, Guidance & Control Laboratory, ABMA, has been selected as "Safety Supervisor of The Week," because of the outstanding contributions he has made to the shop and G & C Lab., RSA Safety Division officials announced.

Roe lives in Flyntville, Tenn., with his wife and son Fred, Jr., age 15. He was born in Lincoln County, Tennessee, where he attended Lincoln County High School. He is a graduate of Coyne Electrical School of Chicago. He is a great lover of the outdoors and spends much of his free time hunting and fishing with his son.

In October 1951, Roe was employed on the Arsenal as an electrician and was promoted to the position of foreman in July 1952. Prior to working here on the Arsenal he was employed by the Bell Telephone Co. for three years and the Navy Department at Charleston, S. C. for six years.

During the six and one-half years he has been foreman neither he nor any of the men in his shop have ever had a lost-time accident.

He says, "Safety is something you have to sell; by working close by with the employees, make them realize through safety meet-

sure air receiver to a site adjacent to the new compressor building.

The new facilities will be used by the Aeroballistics Laboratory of the Army Ballistic Missile Agency in testing missile components. They will be ready for use in August.



HARLEN R. McDOUGLE

**H. R. McDougle is Week's 'Safe Worker'**

The "Safe Worker of the Week" selected by the RSA Safety Division is Harlen R. McDougle, upholsterer, Post Quartermaster,

ings and job instructions that safety is everybody's business."

Maintenance Branch, Furniture Repair Section.

He has been employed at Redstone Arsenal since 1956 and has worked in the QM upholstery shop since March 1957. During this time on the job he has never received an injury that resulted in lost time from his work.

Prior to becoming employed at Redstone Arsenal he worked for the Firestone Steel Corporation in Wyandotte, Mich., and prior to that attended school and later taught upholstery at the Decatur Trade School.

McDougle served in the Infantry during World War II and saw considerable action during two years in the European Theater. He received two Purple Hearts.

Off the job Harlen picks up extra cash by doing upholstery and also enjoys fishing and hunting. He has one boy, Jimmy Ray, 11, who also enjoys fishing and hunting and usually goes with him.

McDougle is very much impressed with the importance of working safely, according to Safety officials, and states that "working safely is the main part of the job."

WANTADS GET RESULTS

**Professional Engineers Society Chapter Eyed; Dinner Meeting Slated**

All engineers in the Huntsville area who are interested in the organization of a local chapter of the Alabama Society of Professional Engineers are invited to attend a dinner meeting at Dale's Restaurant on Friday evening, 13 March.

Social hour will start at 6:15 p.m., dinner at 7:15.

This meeting is a follow-up to a meeting of a small group of professional engineers which was held on 5 February at which time C. E. Hammett was appointed provisional chairman and three committees — constitutional, nominating, and membership—were appointed. At that time the follow-up meeting was tentatively set for 12 March. Please note the change of date to 13 March.

Student: "If I should kiss you, what would you do?"

Coed: "I never meet an emergency until it arises."

Student: "And then?"

Coed: "I meet it face to face."

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**FOR SALE OR TRADE** — 1958 Bel Air Chevrolet, 4 dr., loaded. Phone Hartselle SP 3-7140, 9:00 a.m. - 3:00 p.m.; RSA ext. 4202 after 4:30 p.m. 3-11p

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**BUILDING A HOME** — Select your plan. Let me build it in the Jesse Black Subdivision, Arab, Alabama. See or call Jesse Black, Arab, Ala. JUniper 6-3055. 4-1p

**FOR RENT** — Nice 3 bedroom house and 2 bedroom apartment in Arab, Ala. See or call Jesse Black, Arab, Ala. JUniper 6-3055. 3-18p

**LOT FOR SALE** — Monte Sano, 100'x250' on Shelby Ave., level, large trees, can be financed. \$2450.00 total price. Phone JE 6-0159 after 4 p.m. 1tc

**FOR RENT** — New furnished, modern apartment at Madison, Ala., lights, water, air conditioner, heat, TV antenna, all furnished. Phone JE 4-4085, W. E. GOODMAN. 1tc

**LOTS FOR SALE** — Suitable for duplex or apartments. Phone JE 2-2652. tfc

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**FOR SALE** — Beautiful 112x145 ft. lot in Athens best section. \$2600.00 cash. Call J. B. Elliott. Redstone ext. 8428. tfc

**JOHNSON SEA-HORSE Sales & Service**, boats, trailers, marine accessories, used outboard motors, easy terms. **AUTOMOTIVE PARTS Co.**, 610 Meridian St., Phone JE 2-5654. tfc

**MODERN HEALTH Club Services** — Central YMCA, 203 South Green St. is offering massages, turkish baths, electric heat cabinets, ultra-violet and infra-red lamps, diathermy, sun lamp swimming pool. Graduate Massageur in charge. Phone JE 2-2444. tfc

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**AUCTION SALE**—Our next auction sale will be held tomorrow night, (Thursday, Mar. 12, 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

**WE BUY — SELL OR TRADE**—**AUCTION HOUSE**, W. Holmes St. Furniture sold off the floor each day of the week. Phone JE 6-2241. tfc

**FOR RENT** — 3 bedroom house in Arab, living room, dining room, kitchen, complete bath, \$75.00 per mo. See Henry Noles 519 4th St., N.E., Arab, Ala. 3-11c

**IDEALLY LOCATED IN HARTSELLE** — 523 East Main St., new brick home, 3 bedrooms. 140x879 ft. lot. \$13,000. Will sell house on smaller lot for \$11,000. Would finance part of it. **JOHN POWELL**. Phone SP 3-7047. 1tp

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**SACRIFICE EQUITY SALE** — If you desire clean, spacious suburban living (exclusive Bel Air Heights) come and see this 3 bedroom, 1½ bath, den-dining room, air conditioned, brick on large lot. Call JE 6-4411, ext. 6019, George Sachs, after 5 p.m. JE 6-4375. 1tp

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**AT EASE**—Lounging lazily—and prettily—for the photographer is this week's Rocket Pin-up, Miss Mary Jo Trotman. A resident of Decatur, Miss Trotman works in the Data Processing Application Branch, Field Service Division, Army Rocket and Guided Missile Agency. (Photo by Jimmie Taylor.)

## PROGRESS MADE IN CANCER DRIVE

The American Cancer Society is one of the voluntary health agencies participating in the "Give for Health" campaign. It is the only national group fighting cancer through balanced programs of research, education

and service.

Cancer now takes the lives of more than 250,000 Americans annually, and will strike 40,000,000 Americans now living unless current rates are checked. But definite progress in cancer control is being made. One patient in three is now saved; a few years ago it was only one in four.

The Society's education program aims to alert the public to the life - saving importance of early detection. The service program looks to the needs of those who get cancer. The research program—supporting more than 1,000 investigators in 117 American institutions — seeks improved treatment and an ultimate cure.

"Give for Health" through the Federal Service Campaign for National Health Agencies.

**FOR RENT** — 4,000 sq. ft. office space in new fireproof building, 1 block from square. Phone A. B. QUICK, JE 4-4551 or JE 2-5127. 4-1c

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### Huntsville Section Of IRE to Hear Illinois Professor

Dr. George W. Swenson, Jr., professor of astronomy and electrical engineering at the University of Illinois, will be principal speaker at a meeting of the Huntsville Section, Institute of Radio Engineers, on Thursday, March 19.

The meeting will begin at 8 p.m. in the small auditorium of the Huntsville High School, pre-

\* \* \*



DR. GEORGE W. SWENSON, JR.

\* \* \*

ceded by dinner at 6:30 at Dale's Restaurant.

Dr. Swenson's subject will be "Effects of the Ionosphere on Radio Signals from Outer Space."

A native of Minneapolis, the speaker received his B. S. degree in electrical engineering from Michigan College of Mining and Technology, his M.S. in electrical engineering from Massachusetts Institute of Technology, and his Ph.D. in electrical engineering from the University of Wisconsin.



**CHILLY FILLY** — It may not be June in January, but lovely starlet Ann Aubrey seems comfortably clad from the wrath of wintry winds in feiching furs. She'll be on display soon in Columbia's "The Bandit of Zhobe."

### SNAFU



### New Mobile Shops Developed for Army

FORT EUSTIS, Va. — The Army has developed two new lightweight aircraft maintenance shops which can be airlifted by helicopter and moved on the ground by the standard two-and-one-half-ton truck.

The shops were designed by the Army Transportation Research and Engineering Command here for use by Army aviation units in field operations.

Equipped with lightweight tools and leveling jacks for uneven terrain, when fully loaded the shops

will weigh less than 4000 pounds. One design incorporates a readily detachable wheel suspension for

ease in transporting the shop on the ground. The other is erected on skids. Both are equipped with

rings for lifting by helicopter or crane and for towing behind trucks.

### Operation Blonde



## Easter finds for fashionable feet

### BUSTER BROWN.

AMERICA'S FAVORITE CHILDREN'S SHOES



Young girls active feet will enjoy

**BING BANG**

- BEIGE
- GREEN

trim plush pig with a rubber sole

**\$6.95**



*Air Step*

### LITTLE HEELS: BIG IN FASHION!

Example: Air Step's needle toe pump with a tiny prettily shaped heel . . . made of the softest leather and cushioned beneath with Air Step's magic sole. Perfect for the active woman who demands comfort as well as fashion for her busy life!

**\$12.95**

Black Patent High Heel Pump



Huntsville's Quality Family Store

## DUNNAVANT'S

OPEN MONDAYS & THURSDAYS 'TIL 8:00 P.M. — CLOSE WEDNESDAY AT NOON