

The Redstone Rocket

Published by Jack W. Hoffhaus, a private individual, at Huntsville, Ala. Opinions expressed by the publisher and writers herein are their own and are not to be considered an official expression by the Department of the Army. The appearance of advertisements in this publication does not constitute an endorsement by the Department of the Army of the products or services advertised.

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REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

APRIL 8, 1959



NATO ANNIVERSARY — Troops from the NATO countries of OGMS mass on stage for the finale of Huntsville's Saturday night celebration marking the tenth anniversary of the North Atlantic Treaty Organization. Against a background of the NATO flags, the group sang the proposed NATO anthem, composed by two OGMS NATO officers. The girls are sponsors of the respective countries. (Other photos inside)

TO WESTERN ELECTRIC CO.

ARGMA Issues \$10 Million Contract For Nike-Zeus Production Planning

The Army Rocket and Guided Missile Agency, through New York Ordnance District, has issued a letter order contract for \$9,950,000 to the Western Electric Co. to carry on production planning for the Nike-Zeus anti-aircraft missile system.

ARGMA is responsible for the

Zeus system. The contract will permit orderly phasing of Zeus from development to production. When the letter contract is finalized, it will total \$19,900,000.

Major contractors in the Zeus program are Western Electric, Bell Laboratories, and Douglas Aircraft. The propulsion system is being developed by Thiokol Chemical Corp. The huge solid propellant booster motor has been successfully tested at Redstone Arsenal.

The booster develops several hundred thousand pounds thrust and is the largest motor of its type in the Free World.

Zeus is the third generation of the Army's highly successful Nike family of air defense missile systems. The Nike-Ajax and Nike-Hercules are deployed for defense of continental United States and some units are also deployed in Europe and on Formosa.

Another Tactical Jupiter Launched

Cape Canaveral, Fla. — The Army launched another tactical Jupiter intermediate range ballistic missile from the Atlantic Missile Range Friday.

The missile was programmed for slightly less than full IRBM range.

Jupiter was developed by the Army Ballistic Missile Agency, Army Ordnance Missile Command, at Redstone Arsenal, Ala. The missile has attained an unusually high degree of reliability and accuracy and is ready for operational use.

Of all 15 Jupiter firings to date, only one has been termed unsuccessful.

The last several Jupiters tested have been produced by the Chrysler Corporation. This missile was flown directly from the plant near Detroit to the launching pad at Cape Canaveral, emphasizing the advanced state of readiness of the 60-foot weapon.

Friday's Jupiter was launched by the ABMA Missile Firing Laboratory, with assistance of key personnel from the Air Force 864th Strategic Missile Squadron (Jupiter), who have been trained by the Army at Redstone Arsenal. (See ANOTHER on Page 2)

FIVE ABMA MEN ON NASA GROUPS

Local Scientists Are on Committees

Five members of the Army's missile-space team have been invited to membership in the new Research Advisory Committees being formed by T. Keith Glennan, Administrator of the National Aeronautics and Space Administration.

All five men are employed by the Army Ballistic Missile Agency. They are: Dr. Ernst Stuhlinger, Rocket and Satellite Research Panel; Dr. Ernst D. Geissler, Committee on Missile and Spacecraft Aerodynamics; Dr. Walter Haeussermann, Committee on Control, Guidance & Navigation; Dr. Russell D. Shelton, Committee on Nuclear Energy Processes; and Hans Paul, Committee on Mechanical Power Plant Systems.

Dr. Stuhlinger directs ABMA's Research Projects Laboratory. Dr. Geissler directs the Aeroballistics Laboratory of ABMA, while Dr. Haeussermann directs the Guidance (See FIVE ABMA on Page 2)

National Ordnance Manual Committee Holding Meet Here

The National Ordnance Manual "4-4" Committee, which maintains and revises the Ordnance Corps manual (No. 4-4) on documentation of drafting procedures, is meeting this week at Redstone Arsenal.

This is the first time the group has convened here. The Army Ordnance Missile Command is host for the called meeting, which began yesterday and will conclude tomorrow.

Approximately 20 persons are attending from Ordnance commands, mission arsenals and agencies. (See NATIONAL on Page 2)

WITH PARADE, PAGEANT

Soldiers From 11 Allied Nations Join in Marking 10th Anniversary of NATO

Men from 11 Allied nations paraded through downtown Huntsville Saturday morning and Huntsville citizens joined in a formal ceremony Saturday evening

honoring the 10th anniversary of the North Atlantic Treaty Organization.

Now a prime capital for Allied missile training, the city took on a colorful international aspect as NATO students at the Army Ordnance Guided Missile School and Allied officers at the Army Rocket and Guided Missile Agency paraded their colors through the city in the morning and staged a glittering pageant in the evening.

Representatives of Belgium, Canada, Denmark, France, Germany, Great Britain, Greece, Italy, The Netherlands, Norway, Turkey, and the United States participated in an event which was sponsored by the Huntsville-Madison County Chamber of Commerce. All these countries have sent their pioneer students to the Missile School.

Dorsey Uptain, Chamber of Commerce president, officiated at the pageant at the Raymond W. Jones Armory, with H. T. Busbin serving as master of ceremonies.

The program was highlighted by an address by Col. H. S. Newhall, Missile School Commandant, and the world premiere of a proposed NATO anthem composed by Capt. Stephanus Van Dam of the Royal Netherlands Air Force and Capt. Johann Lorenz of the German Air Force.

Miss Anna Jean Clift, daughter of Mrs. Anna M. Clift of Huntsville, and 15 other Huntsville citizens. (See WITH PARADE, on Page 2)

Rohm & Haas Chemists To Present Six Papers At National Meeting

Chemists from the Redstone Arsenal Research Division of Rohm & Haas Co. will present six papers at the 135th National Meeting of the American Chemical Society scheduled in Boston, April 6-10.

Authors and papers are:

Dr. Jeremiah Freeman & Dr. C. O. Parker — "Some Reactions of Hydroxylamine Derivatives with Perchloryl Fluoride."

Dr. R. W. Walker and Dr. L. M. Brown — "Photographic Study of Propellant Burning."

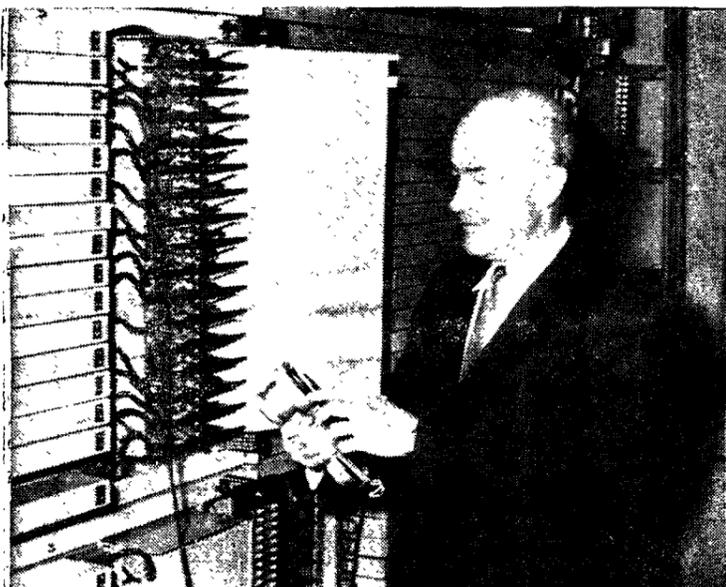
Dr. Carl Bumgardner, Dr. Keith McCallum and Dr. Jeremiah P. Freeman — "Small Ring Heterocyclic Nitrosoamines."

Dr. Tony Pitochelli and Dr. L. F. Audrieth — "Non-existence of P2S3, P2S4 and P8S11."

Dr. Travis Stevens — "Addition of Dinitrogen Tetroxide to Stilbene. Effect of Oxygen."

Dr. M. F. Hawthorne — "Reactions of Organoboron Hydrides."

Most of the papers are concerned with the development of new materials. (See ROHM & HAAS on Page 2)



DR. W. M. MEBANE, General Manager of Thiokol's Redstone Division, operates new dial equipment, installed last week.

Thiokol Switches To Dial System

At 8 p.m. Friday, Signal Corps telephone crews cut over the telephone system of Thiokol Chemical Corporation-Redstone Division to the dial system replacing the old manually operated system in operation since the Division was established in 1949.

The new system gives 600 lines of central office equipment for calls within the Thiokol area. There will be 35 lines from Thiokol to the Redstone attendance cabinets; 5 two-way trunks; 10 one-way trunks into Thiokol from the Redstone Dial Exchange; and 20 one-way trunks from Thiokol to the Redstone Dial Exchange.

This contrasts to the old system's 185 in-plant lines, 10 trunks from Thiokol to Redstone, 5 lines from Redstone to Thiokol, and 4 operator to operator lines. (See THIOKOL on Page 2)



MUSICAL MISSILE MEN — A proposed anthem for the North Atlantic Treaty Organization had its world premiere at the 10th anniversary celebration of NATO in Huntsville, Saturday. Composed by Captains Johann Lorenz (left) of the German Air Force and Stephanus Van Dam of the Royal Netherlands Air Force, OGMS missile students, the composition is being submitted to NATO headquarters in Paris for possible adoption as the official hymn of the Western alliance.

The Redstone Rocket

The Redstone Rocket is a privately owned newspaper published every Wednesday by Jack W. Hoffhaus, Huntsville, Alabama, with exclusive regard for the reader interests of personnel at Redstone Arsenal, Alabama, in accordance with an agreement between the publisher and the Public Information Office, Army Ordnance Missile Command, Redstone Arsenal, Alabama.

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Rohm & Haas

(Continued From Page 1)
ed with general reactions of organic chemicals. Study of such reactions provides basic knowledge which may eventually become quite useful in different fields.

The work leading to Walker and Brown's paper was designed to provide fundamental information on propellant combustion. Pure explosives such as RDX, TNT, and tetryl were pressed into small pellets and burned at high pressures in a bomb equipped with a window. The burning pellets were photographed with high speed movie cameras. When the movies were run at lower speeds a number of characteristics of propellant burning became observable for the first time.

Dr. Hawthorne's paper is concerned with metallo-organic compounds. This class of compound is represented by tetraethyl lead which is used in large quantities to improve the octane number of gasoline. However, except for a few such commercial chemicals metallo-organic compounds were largely of remote academic interest until the development of boron compounds as super fuels. Over 40 papers on boron compounds are being presented.

National Ordnance

(Continued From Page 1)
encies, as well as Office, Chief of Ordnance, and the Armed Forces Supply Support Center, Dept. of Defense. Also, some 10 persons from AOMC attended are participating.

Chairman of the committee is Chester Nazian of Frankfort Arsenal, Pa. The committee is concerned with engineering and drafting practices for the Ordnance Corps as a policy-making group. In addition, Dept. of Defense looks upon the committee as a sounding board in the field of engineering documentation.

A dutch treat dinner was held by the group last night at the Officers Club. A demonstration and discussion of "Recent Solid Propellant Developments" was presented by Thiokol Corp. afterwards.

Another

(Continued From Page 1)
to maintain and fire the missile. Air Force personnel have participated in the previous Jupiter launching.

Primary objective of Friday's firing was to further test the complete Jupiter missile operations in tactical configuration.

The Army also continued its "Operation Gaslight" studies of reentering bodies. Personnel aboard a ship in the downrange impact area were prepared to take infrared and photographic measurements of the missile's three sections as they reenter the atmosphere following flight through outer space.

Air Force

(Continued From Page 1)

mand. Airmen who participated in the firing are listed with their scope of assignment:

M/Sgt. Joseph G. Pugh, missile networks; T/Sgt. James W. Gorman, ground networks; M/Sgt. Harold Spicer, assistant maintenance officer; S/Sgt. Charles Boylston, gyro stabilizer; S/Sgt. Clinton A. Bliss, program device; S/Sgt. Russell E. Robinson, guidance; S/Sgt. Jesse L. Johnson, control; S/Sgt. Franklin D. Cox, propulsion; and S/Sgt. Bobby E. Neal, propulsion.

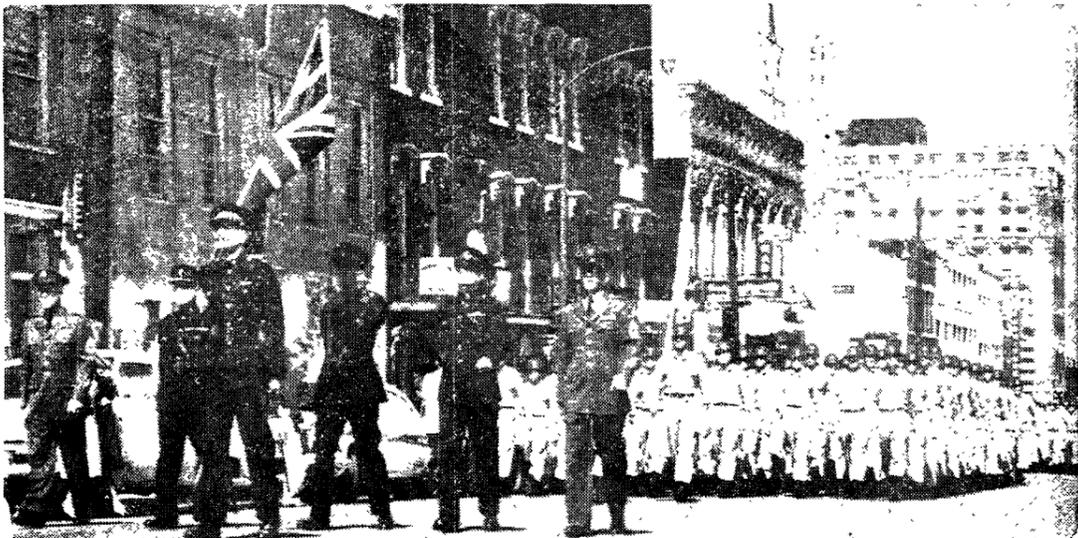
Thiokol

(Continued From Page 1)

All local calls from Thiokol can now be handled via dial. All calls to Thiokol will go through the Redstone exchange and will be handled by the Thiokol operator from one of the three attendance cabinets.

The equipment is so designed that it can be expanded to meet any foreseeable need.

Installation of the equipment was completed in close to record time with the cut-over coming six weeks after telephone crews began. 100 man-weeks or 4,000 man-hours were required to complete the installation.



NATO DAY PARADE—Representatives of Great Britain, carrying their country's flag and flanked by an American escort, march through downtown Huntsville in the parade staged as part of the city's celebration Saturday of the tenth anniversary of NATO. A contingent of American troops follows.

With Parade

(Continued from Page 1)
ville girls representing the NATO countries appeared on stage as the flag of each country was presented.

Five ABMA

(Continued From Page 1)
ance and Control Laboratory of the same agency.

NASA pointed out selection to committee membership is a recognition of top scientific and engineering talent in the fields of aeronautics and space technology. **Important Role**

Committee members will play an important role in assisting NASA to formulate national programs in aeronautical and space research. They will review the national research effort now in progress in their fields, recommend problems that should be investigated by NASA or other research organizations, and assist in coordinating these research programs.

Committees are composed of representatives of scientific, industrial, educational, government and military organizations to assure communication and coordination with the entire scientific community, NASA said. Membership appointments are usually for one year but the initial terms run to June 30, 1959.

The new committees supersede the 28 technical committees and subcommittees of the National Advisory Committee for Aeronautics which was absorbed by NASA when it was established Oct. 1, 1958. The NACA technical groups went out of existence Dec. 31.

Vital Links

"Each member of the new research committees will provide the NASA with another vital link to the scientific community, helping assure an effective, well-coordinated national research program in the fields of aeronautics and space," Dr. Glennan commented.

The Army Ballistic Missile Agency, an element of the Army Ordnance Missile Command, launched the deep space probe, Pioneer IV, on March 3 for NASA. The probe has now become a satellite of the Sun, having established several new records for U. S. space projects in terms of injection velocity, distance over which communication was maintained with the Earth, and total range traversed.



'MISS NATO' NAMED—Miss Anna Jean Clift, daughter of Mrs. Anna M. Clift of Huntsville, reigned as "Miss NATO" Saturday as Huntsville celebrated the tenth anniversary of the North Atlantic Treaty Organization. She presents the NATO flag to Col. H. S. Newhall, OGMS Commandant. The evening ceremony was highlighted by an address by Col. Newhall, the reading of a proclamation from President Eisenhower, and the world premier of a proposed NATO anthem. (Photo by John Phelps.)

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HUNTSVILLE

ARGMA SUPERVISES DEVELOPMENT OF AUTOMATIC MISSILE CHECK-OUT

Missiles must be ready to perform their missions at the instant they are called upon; thus, their readiness becomes a determining factor in their use.

To keep their combat readiness at as high a level as possible, the Army Ordnance Corps has undertaken a new concept of automatic weapon system maintenance, that of completely automatic "go-no-go" check-out.

In other words, the operator sees only 2 indicator lights on the tester. One is a "go" light which indicates that the unit under test is operating satisfactorily, and the other is the "no-go" light which indicates that a malfunction exists within the unit and that it must be either repaired or replaced.

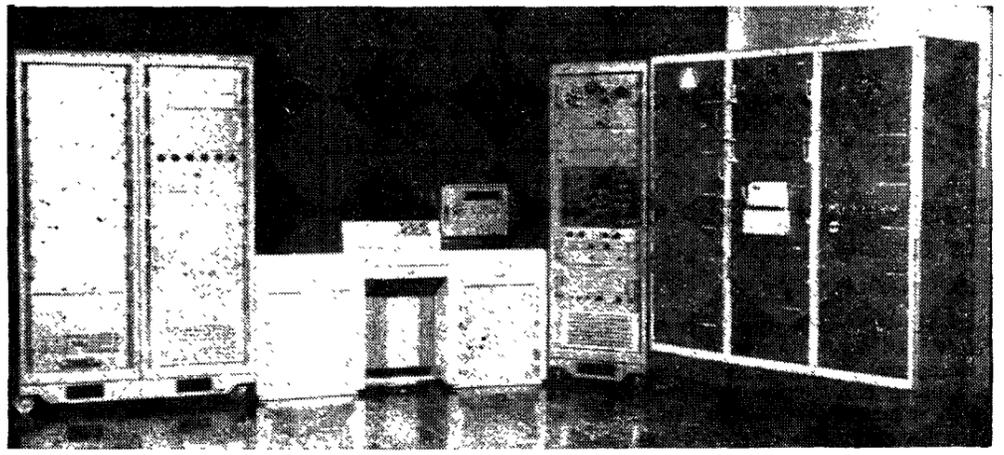
Two Efforts

At present there are two efforts under the cognizance of the Army Rocket and Guided Missile Agency timed at providing the needed automatic maintenance equipment. The first effort is the "building block" or "standard modular" approach, which began in June 1955 and is being developed by the RCA Service Company. The second effort, begun in

February 1958, is with Nortronics, a division of Northrop Aircraft, Inc.

The RCA effort was at first directed to determining the feasibility of constructing pieces of test equipment that were standardized from the point of being useful in not only one, but several of the Army's missile systems. These standard pieces of equipment were called standard modules or building blocks, because they were designed in such manner that the module or blocks could be combined or "built" into a complete test set. This approach was taken to reduce the number of similar items in the supply system, many of which were performing duplicate functions.

In the study, RCA found that close to 70 percent of all the items of test equipment utilized in the missile system had common testing functions. This study led to the conclusion that if the common items could be standardized, the supply and maintenance problems of the Army would be reduced with an attendant savings in men, money, and materiel. For example, instead of supplying a num-



DATICO—Shown above are components of an automatic missile checkout system known as **DATICO**, or **Digital Automatic Tape Intelligence Check-out**. The system is being developed by **Nortronics, Inc.**, under technical cognizance of the **Army Rocket and Guided Missile Agency**.

* * *

ber of different electronic chassis, (e.g., various power supplies having the same voltage and current rating), only one standard chassis need be carried in the supply system.

Demonstrators Fabricated

The RCA Service Company was then directed to design, develop, and fabricate these standard modules and to integrate them into standard automatic check-out test sets. Demonstrators consisting of standard modules were fabricated. One had the capability of testing the Nike-Ajax missile guidance section and the other of testing a portion of the Lacrosse missile guidance section.

Negotiations are currently underway with the contractor to develop an automatic test set having the capability to test the Hawk and make representative tests on the Ajax, Hercules, Corporal, Sergeant, and Lacrosse Army guided missile systems. The modular approach would permit the test equipment to be tailored to check one system, several systems, or all guided missile systems.

The second approach to the missile system maintenance problem is known as **DATICO** or **Digital Tape Intelligence Check-Out**. This system, being developed by Nortronics, will employ components with wide ranges to give them as much universal application as the state of the art permits. Many stimulus units (signal generators, pulse generators, power supplies, etc.) are being designed with the idea of incorporating as much utility as possible into each individual piece of equipment. This will be universal type test equipment and will be packaged into an integrated test set that can test several missile systems.

Chassis Tested

Nortronics gave feasibility de-

monstrations of their concept by testing a chassis from Corporal, one from Sergeant, and a pre-flight check to a target aircraft. The existing contract with Nortronics provided for a universal type tester by June 1959 for testing the Sergeant, Nike-Ajax, Nike, Hercules, Lacrosse, Corporal, and Hawk missile systems.

The equipment being designed by both Nortronics and RCA is automatic and will be able to isolate a malfunction to the chassis (i.e., signal generator), sub-assembly (i.e., oscillator), and in some cases to the piece-part (i.e., resistor, capacitor). Both will be capable of self-check prior to testing a particular missile system chassis. Both will provide a printed record of the tests performed.

The concept of automatic test systems, as applied to maintenance, is still in its infancy. Now,

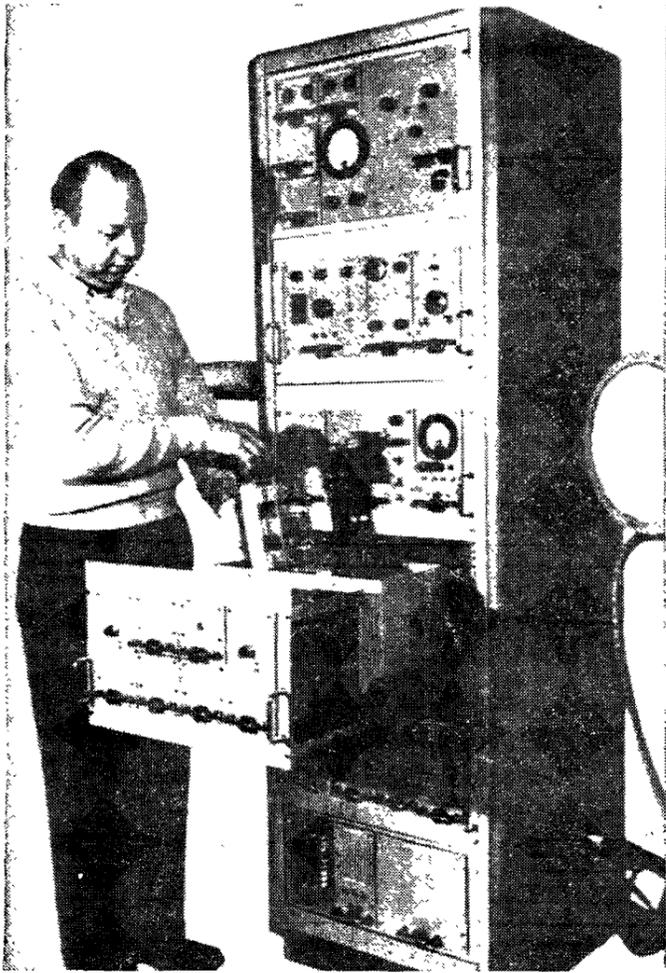
the test system being developed are highly complex electronic machines; however, in the future, they will be simplified check-out systems which will not only be machines, but will have the capability of remembering instructions and making decisions. These check-out systems will greatly decrease the time now spent in analyzing faulty units and significantly reduce the factor of human error. It is expected that automatic standard test systems will considerably increase the readiness of missile systems.

See ROACHES?

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'BUILDING BLOCKS' — An RCA Service Co. technician demonstrates an automatic missile checkout system employing "standard modules" or "building blocks," which is being developed by RCA under technical cognizance of the Army Rocket and Guided Missile Agency.

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Social News

Lee Ramsey of ABMA Heads Barbershop Quartet Chapter

The Rocket City Chapter of the Society for the Preservation and Encouragement of Barbershop Quartet Singing in America held its annual election of officers March 31.

Officers elected for the current year were Lee Ramsey, Pilot Manufacturing Branch, Guidance Control, ABMA - president; Jim D'Anna, Alabama Wholesale Drug Company, Huntsville - vice-president; Marion Dodgen, Purchasing and Contracting Division, RSA - secretary; Hugh Zeannah, Computation Laboratory, ABMA - treasurer; and John Hall, Support Operations Office, AOMC - district delegate.

The annual District convention will be held on the 17, 18th, and 19th of April in Birmingham at which time the district officers will be elected and quartets will compete for the honor of representing the Dixie District in the 1959 International Contest to choose the 1959 Champion Male Barbershop Quartet.

The newly elected officers of the local chapter of this non-profit organization are accepting applications for membership. Information concerning this organization may be obtained by telephone from any one of them. A meeting is held every Tuesday at 8 p.m. in K.C. Hall located upstairs over the Central Cafe on Clinton Avenue E. These meetings are open to the public.

Bridge Results Told

Members of the Officers Club met Monday night for weekly party bridge competition with the following results:

Men: first, Fred Ellis; second, Capt. Wallace T. Wilson; low, Capt. Earl Lauck.

Women: first, Mrs. Fred Ellis; second, Mrs. George Middleton; low, Mrs. John Bowlby.

Mr. and Mrs. Ellis were hosts for the evening.

Student Day Program Set by IRE Section

The Huntsville Section of the Institute of Radio Engineers will hold a Student Day program the night of April 17 at Dale's Restaurant.

Speaker for the event will be Dr. Robert M. Page, Director of Research, Naval Research Labor-

Officers Wives Club Cookbook to Go on Public Sale in City

The Redstone Arsenal Officers Wives Club cookbook, "Kitchen Explorer No. 1," will go on public sale in Huntsville on April 15 at Dunnivant's.

All previous sales of the book have been on post and the last exclusive on post sale will be held at the Club Coffee on April 14.

The cookbook is a fund raising activity of the Wives Club.

Monte Sano Camp Of Heroes of '76 Schedules 'Bivouac'

Monte Sano Camp of Heroes of '76 will "go into bivouac" at the Yarbrough Hotel (Second floor) at 1830 hours 10 April for refreshments and discussion of Camp business.

All Heroes planning to attend, contact the Camp Adjutant, Capt. Calvin C. Guffey, ext. 5640, Bldg. 3481.

Scottish Rite Team From Arsenal Confers 29th Degree in B'ham

The Scottish Rite Club of Huntsville conferred the 29th Degree, The Scottish Knight of St. Andrew, at the Masonic Temple in Birmingham last Saturday. Degree Team Captain and Venerable Master was Abe Pizitz, 32 degree; the leading role of the Prior was taken by James E. Dender, 32 degree from ABMA. The part of the candidate was symbolized by Joe Broome, 32 degree from ABMA. Abraham Jacobson, 32 degree KCCH from ABMA, was Director of Work.

The remaining parts were played by ten other members of the Huntsville degree team. Two more degrees, the 6th and 8th will be conferred by the Huntsville teams at the Spring Reunion here on April 18.

atory, Washington, D. C. His topic will be "Frontiers of Space Research."

Awards will be presented to outstanding student IRE members from the University of Alabama, Vanderbilt University, and Mississippi State University.



AT NCO CLUB DANCE—Col. Owen T. McCloskey (left), Deputy Commander of Redstone Arsenal, pins a corsage on Mrs. Norman Koenig, president of the NCO Auxiliary, at a tea dance held recently at the NCO Club. Looking on are M/Sgt. Koenig, who is president of the NCO Club, and Maj. Jesse Garner, RSA Troop Commander. Col. McCloskey and Maj. Garner were guests of the Club for the event.



'Little John' Beecher Band Due Apr. 14 for Service Club Dance

When "Little John" Beecher and his Orchestra appear at the Service Club on Tuesday, April 14, the dancing public will find a seasonable veteran wielding the baton.

Little John had always wanted to lead a band at the age of 15 had his first such experience. He organized a group of his friends in high school and called this "swingin'" group TINY'S TOE TEASIN' TEN. They played school proms throughout Minnesota and local engagements near home.

In the Air Force, he organized an orchestra for the second time. This group had personnel from throughout the country and from all the "Name" bands. With this band, Little John was featured with the USO road shows that played his military installation. For many months Little John presented a show each week featuring movie star Donald O'Connor the beginning of a valuable and pleasing friendship.

As a civilian, and with the burning ambition to lead a band constantly growing, and with several years of valuable experience Little John has fulfilled this ambition.

Experience has been a good teacher as evidenced by the polished performances of Little John and His Orchestra and their current successes all over the country.

BRIDGE RESULTS

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

Party Bridge: 5 tables, first, Mrs. Robert Kinch; second, Mrs. Walter Dermatis; low, Mrs. Richard Mundy.

Duplicate: 6 tables, Howell movement, first, Mrs. Thomas Wood and Mrs. Glenn Crane; second and third tied, Mrs. George Pickering and Mrs. Pierre Tisdale, and Mrs. C. C. Young and Mrs. L. L. DeNoya.

At the Service Club

Spring is in the air, which reminds us of picnic time. All enlisted men are invited to attend a free tour and picnic to Birmingham on Saturday, April 11. The bus leaves from the Service Club at 12:30 noon on Saturday. The Birmingham Junior hostesses will join the group in a tour of Vulcan Park, Vestavia Gardens, or Arlington (ante-bellum home) and a picnic at Fair Park. The group will end the day with a dance at the Y.M.C.A.

ing their clash and victory of 21-17 over the Chicago Bears. The film includes scenes of this victory plus the Packer-Steelers tilt, the Packer-Giant dogfight, the Packer-49'ers thriller, and Green Bay's win over Baltimore.

Let's have a party! The Huntsville Junior Hostesses invite you to dance with them on Friday, April 10, at 8 in the Service Club lounge. Bring your favorite dance records and we'll bring ours. The dress is informal.

Bingo starts at 8:15 p.m. on Monday, April 13, in the Service Club lounge. Join me for a game.

Ray Pisani will be back to start the new dance classes on Wednesday nights. Foxtrot begins at 7:30 p.m. and rumba at 8:15. All girls interested in learning the beginning foxtrot or rumba should be at the Service Club at 7:30 p.m.

A movie on "The Green Bay Packers Pigskin Parade" will be shown at 6:30 p.m. on Thursday, April 9, in the TV lounge. Plagued with injuries and bad fortune, the Packers of 1957 still had their moments and their stars. Green Bay dedicated a new, spacious football stadium preceded-

Officers Wives Invited To Coffee on April 14

Members of the Redstone Arsenal Officers Wives Club, particularly newcomers, are invited to a free coffee to be held Tuesday morning, April 14, from 10 until 11:30 a.m. at the Squirrel Hill Officers Club.

Reservations must be received not later than Friday, April 10. Cancellations must be made by Monday, April 13, to Mrs. William H. Clift, ext. 7959, or Mrs. Lewis T. Sims, JE 6-9371.

Sp-4 Roger E. Whiting, Pfc. Walter A. Cuba, Pfc. Jere J. Will of Hq. & Hq. Det; Pfc. Ray E. Dreeman, and Pvt. Kenneth L. Ford of Det. A; and Pvt. Ted G. Scott of Det. B and Molly Patterson, Club director, leave April 13 for the 1959 Third Army U.S. All-Army Entertainment contest. The best of luck to each of these men. We're looking forward to hearing that they are successful.

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Safety Scoreboard

(As of 6 April)

Days since last civilian disabling injury	36
Our Goal	63
Days since last military disabling injury	10
Our Goal	30
Days since last contractor personnel disabling injury	12
Our Goal	50
Days since last government motor vehicle accident	3
Our Goal	30

DRIVING RECORD (Government Vehicles)

(As of 6 April)

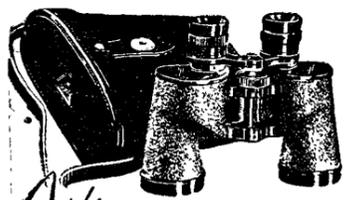
Organization	No Accidents (1959)	Days Since Last MV Accident
Transportation Div. (RSA)	4	3
Post Engineer Div. (RSA)	7	50
Provost Marshal Div. (RSA)	4	13
Depot Operations (RSA)	7	27
All Other RSA	1	49
Thiokol (ARGMA)	2	30
All Other ARGMA	2	17
OGMS	6	11
ABMA	3	2



ABMA PRIZE GIVEN — Robert Gorman (right), Deputy Chief, Mechanical Engineering and Ground Handling Branch, Missile Firing Laboratory, ABMA, presents first-place award in Brevard County (Fla.) Regional Science Fair to James Godfrey of Melbourne (Fla.) High School. The award was a color photo of Juno II rocket, autographed by Dr. Wernher von Braun, ABMA's Director of Development Operations. ABMA awarded prizes to the first and second-place contestants in the senior physical sciences division. A scale model of the Jupiter missile went to Al Koller of Titusville High, second-place winner.

IRE Invites Papers On Telemetry for Its Symposium in Sept.

Prospective authors have been invited by the Institute of Radio Engineers to submit papers on significant work in telemetry and related fields for the IRE's 1959 National Symposium on Telemetering Sept. 28-30, in San Fran-



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cisco. The symposium will be sponsored by the IRE's Professional Group on Space Electronics and Telemetry.

Fields related to telemetry on which papers are invited include:

1. Space vehicle communication systems.
2. Satellite instrumentation.
3. Data processing equipment.
4. New developments in telemetry equipment.
5. Flight test electronics.

In addition to papers on new developments, tutorial papers having special interest to the professional group are desired.

It is planned to distribute the Symposium Transactions in advance of the meeting. In order to allow sufficient time for author selection, preparation, and publication of papers, strict adherence to the following schedule will be necessary:

May 10: Deadline for receipt,

in triplicate, of a 100-200 word abstract and a 500-word summary of the paper. To assure full consideration, submit as early as possible.

June 1: Notification of paper selection or rejection and request for complete papers.

July 10: Deadline for receipt of full-length papers on specially provided master sheets.

All correspondence should be addressed to: George L. Larse, Program Chairman, Lockheed Aircraft Corporation, Missile Systems Division, Sunnyvale, Calif.

As in 1957 and 1958 awards will be given for outstanding papers.

Pvt. Frank Brucate Is 'Safe Worker of Week'

Selected as the "Safe Worker of the Week" by the RSA Safety Division is Pvt. Frank J. Brucate, Project Engineer, Research and Analysis, Ordnance Missile Laboratories Division, ARGMA.

Pvt. Brucate's selection was based not only on his good safety record but on recommendation from those who know him as being a good all-around soldier; Safety officials said.

Brucate is a newcomer to Redstone, having been assigned here in October 1958 after completing basic training at Fort Leonard Wood, Mo. His home is in Gary, Ind., and he attended college at Valparaiso University in Valparaiso, Ind., and Indiana University, Bloomington, Ind., where he received his BS degree in industrial engineering. He is presently engaged in the job in the review of proposals for usage of facilities for contractor operations.

He is married and lives at Trailer Haven across the Whitesburg Bridge. He particularly en-



PVT. FRANK J. BRUCATO

joys golf, tennis, and swimming as hobbies. Although this emphasis on the importance of working safely is somewhat new to Brucate, he says he sees it is for a good purpose and one emphasis has especially appealed to him — driving defensively. He feels that many accidents could be avoided if everyone would drive defensively.

'National Welded Products Month' Set

Arsenal members of the American Welding Society point out that April has been proclaimed by President Eisenhower to be "National Welded Products Month."

Each year "National Products Month" will be declared to coincide with the timing of the Society's annual convention, according to the Society's publicity committee.

Proclamation of "National Welded Products Month" gives public recognition to welding as "a prime and indispensable fabrication tool in modern industrial practice," the committee stated.

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FAYETTEVILLE

SPORTS



IN GOLF DAY TOURNEY—Four golfers from Redstone Arsenal are shown above as they participated last week in the International Golf Day Tournament sponsored by the Military Police at Redstone. Left to right are Lt. Col. Dean Jones, RSA Provost Marshal; Col. Thomas J. Seigler, Jr., Chief, Signal Office, AOMC; Lt. John E. Parker, Golf Day coordinator, of RSA Provost Marshal Office; and Col. Jay A. Dasche, RSA S-2.

International Golf Day Tourney Held

The International Golf Day Tournament sponsored by the Military Police at Redstone Arsenal was held last week at the Huntsville Country Club. The tournament is a yearly event with all proceeds going to

local charity. Twenty-seven golfers participated in this year's tourney. Mrs. Kathren Murray, with a net score of 66 and CWO R. B. Love, with a net score of 68, beat Arnold Palmer's first round Masters Tournament score of 71. Both golfers will receive prizes awarded by the Military Police Association.

POST TENNIS TEAM OPENS SEASON WITH VICTORY OVER FLORENCE STATE

The Redstone Arsenal Post Tennis Team opened the 1959 season with a well-played 8-to-1 win over Florence State Teachers College Saturday at Florence. Redstone won six singles and two doubles matches to take the meet in decisive manner. Most of the matches were won in straight sets with only the Dave Howgate vs. Mickey Thigpen match going the full route.

Two newcomers to RSA Tennis Team, Maj. Ralph Bassett and

Pvt. Gerald Heck, showed up well, winning decisive singles matches in straight sets and teaming together to win the number two doubles match against White and Moore of Florence State, 6-2, 7-5. Two Redstone veterans, Lt. Col. Ernest Ewbank and Capt. Bryan Meharg, won two singles matches easily and teamed together in the number one doubles match, which they won 6-3, 9-7 over Burge and Yates of Florence State.

Singles

Bryan Meharg (RSA) defeated Roger Burge (FSC) 6-3, 6-1.
E. W. Ewbank (RSA) defeated Don Yates (FSC) 6-1, 6-1.
Jerry Heck (RSA) defeated Ralph McIntire (FSC) 6-2, 6-3.
Ralph Bassett (RSA) defeated Sam White (FSC) 6-1, 6-1.
Eugene Miller (RSA) defeated Don Moore (FSC) 6-4, 6-3.
Dave Howgate (RS) defeated Mickey Thigpen (FSC) 2-6, 6-4, 6-2.

Doubles

Meharg-Ewbank (RSA) defeated Burge-Yates (FSC) 6-3, 9-7.
Heck-Bassett (RSA) defeated White-Moore (FSC) 6-2, 7-5.
McIntire-Thigpen (FSC) defeated Lund-Miller (RSA) 6-3, 6-4.

ARSENAL BASEBALL LEAGUE SET

The Redstone Arsenal Baseball League will be held during the period 1 May through 15 August. Special Service Officer will be responsible for conducting all games.

Teams will be limited to 22 players. Commanders who are entering a team should submit a written entry to arrive at the Special Service Office no later than 20 April 1959. Entry will indicate person selected at team coach or manager and duty phone.

Participants of the baseball league will not be permitted to play on more than one team.

Individuals whose unit does not field a team in the baseball league may play with another team with the concurrence of the unit commanders concerned.

Officers and enlisted men will compete in accordance with AR 28-52.

Officials for all league play will be designated by the Special Services Division, Redstone Arsenal. Officials will not be allowed to participate with any team in the league.

The competition will be conducted in accordance with the 1959 Official Baseball Rules and necessary changes made by the Special Services Division to meet unusual circumstances.

Trophies will be awarded to the first and second-place teams in the league.

Any team that is not on the playing field and ready for play fifteen minutes after starting time will forfeit the game. Three forfeits will cause a team to be dropped from the league. A request in writing must be in the Sports Office twenty-four hours prior to game time in order to postpone a game.

At the close of the baseball league, a team will be selected to represent Redstone Arsenal in the Third Army Tournament.

Barons-Vols Baseball Game Slated Tonight

The Huntsville Boys' Club will hold its Third Annual League Baseball Game tonight at Optimist Park at 7:30 p.m. The Birmingham Barons will be pitted against the Nashville Vols.

Adult tickets are \$1.50 and children tickets are 75 cents. Tickets are on sale in downtown Huntsville.



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Six Members of Post Tennis Team Come From Det. A, ARGMA

Redstone Arsenal's tennis team currently includes six enlisted men of Detachment "A" ARGMA.

They are Pfc. Eugene Miller, SP-5 David Howgate, SP-5 Alan Rose, Pfc. William Gertz, SP-4 William Smith, currently disabled with a broken wrist, and Pvt. Gerald Heck. Pvt. Heck is new to the arsenal and is considered to be a most promising player.

Other members of the tennis squad include Lt. Col. Ernest Ewbank, team captain, Capt. Brian Meharg, Maj. Ralph Bassett, Lt. Donald Winters, Pfc. Adolph Land, Pvt. G. E. Bowers, and Pvt. Darryl Danielson.

Redstone's last match, with Jacksonville State College, on 21 March, was rained out.

Golfing Event Held By Officers Wives

Twenty-four members of the Redstone Arsenal Officers Wives Golf Group met last Wednesday for a Scotch two-ball foursome.

Winners in the event were Mrs.

Final Standings, Unit-Level Volleyball

	Won	Lost
A Det, OGMS	10	1
B Det, ABMA	9	2
3rd ETD	8	3
A Det, ARGMA	8	3
UTC Officers	7	4
Hq and Hq Det	7	4
228th Ord Plt.	4	7
864th AF	4	7
UTC EM	3	8
865th Air Force	2	9
B Det OGMS	0	11
226th Ord Plt	0	11

Arsenal Pistol Club Holds Tournament

The Redstone Arsenal Pistol Club held the first approved National Rifle Association Tournament of the season at the Arsenal range Sunday.

Robert Ekis, ARGMA, was tournament director and winner of Match No. 2, 22 Cal timed Fire; Match No. 3, Center fire National Match Course and was 1st Expert in Match No. 4, 45 National Course and Match No. 5, the Expert Aggregate. CWO Daniel J. Cogswell, OGMS, was 1st Expert in Match No. 1, 2, and No. 3.

Avry L. Burdette of Gunterville was over-all winner with a score of 1039 out of 1100 possible points. He also won match No. 1, 22 Cal NMC Course and Match No. 4.

Sgt. Jose Gonzalez, AOMC, was 1st Sharp Shooter in Matches No. 1, No. 2, No. 4 and the Sharpshooter Aggregate.

CWO R. S. Johnson, OGMS was 1st sharpshooter in Match No. 3.

William G. Roberson, ABMA, was 1st Marksman in Match No. 3 and the Marksman Aggregate.

Stg. Ned Emmett, OGMS, was 1st Marksman in matches No. 1 and No. 2. Sfc. E. F. Biel, RSA Hospital, was 1st marksman in match No. 4.

George Koebbe and Mrs. Polly Shoemaker, first low twosome, and Mrs. Glenn Crane and Mrs. John Zierdt, second low twosome.

Today the ladies of the Huntsville Golf and Country Club are guests of the Redstone Arsenal Golf Group for a tournament at the Municipal Golf Course followed by lunch at the Redstone Arsenal Officers Club. The tournament began at 8:30 a.m. with luncheon at 12:30 p.m.

Next week the group will hold a long and short tournament.

INSIDE AND OUTSIDE

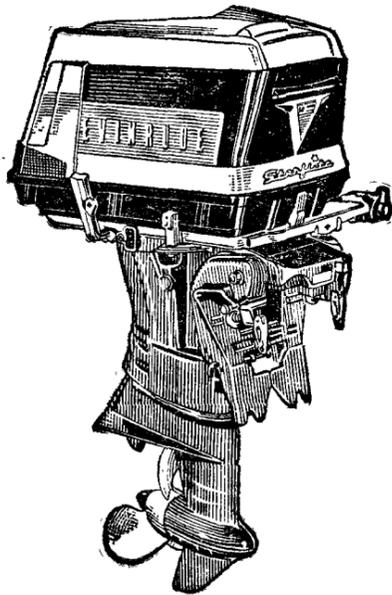


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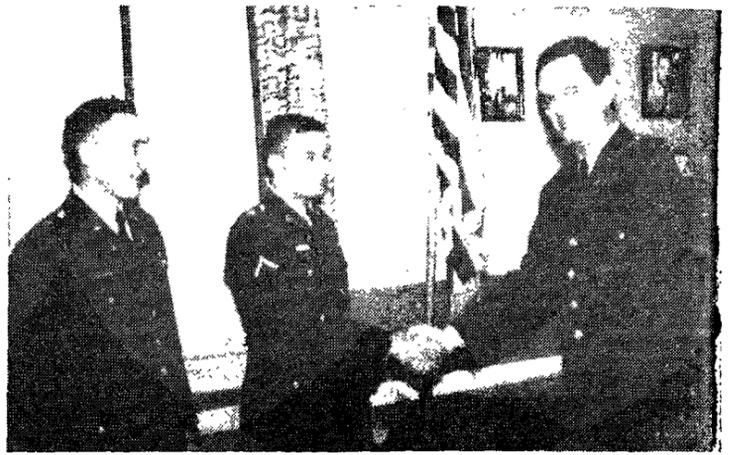
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MEDICAL RESEARCH CHIEF VISITS — Brig. Gen. J. A. Barclay, (right), Commander of the Army Ballistic Missile Agency, shows Brig. Gen. Joseph M. McNinch (center), Commanding General of the Army Medical Research and Development Command, Office of the Surgeon General, Washington, D. C., a model of the Jupiter Intermediate Range Ballistic Missile in whose nose cone rode the first primate known to have traveled through space. At left is Maj. Gerald A. Champlin, Chief, Bio-Astronautics Research Unit, Army Ordnance Missile Command. The Jupiter which carried the primate, on Dec. 13, 1958, was developed by ABMA. The experiment was a scientific-biological project conducted for the Dept. of Defense jointly by the Surgeons General of the Army and Navy. Gen. McNinch visited Redstone Arsenal, AOMC headquarters, for an orientation tour recently.



SOLDIER OF MONTH—Pfc. Dale Daniel Thomas (center), of the Ordnance Guided Missile School was recently honored as the Arsenal's "Soldier of the Month" for February. In photo above, he receives congratulations from Col. Keith T. O'Keefe (right), Redstone Arsenal Commander. Looking on is Lt. Robert M. Rugg, Pfc. Thomas' commanding officer. Pfc. Thomas is assigned to the NATO Training Branch of the Unit Training Center at OGMS. He is from Sandusky, Ohio. Before entering the Army in April, 1958, he attended Bowling Green State University, Ohio, and Ohio State University. In the military service, he has completed courses at the Army Signal School at Ft. Monmouth, N. J., and the Ordnance Guided Missile School.

Special Services Activities

POST SERVICE CLUB OPERATING HOURS
Monday thru Saturday 1000-2200.
Sunday and Holidays 0900-2200.
LIBRARY OPERATING HOURS
Monday thru Friday 0900-2200.
Saturday and Holidays 1000-2200.
Sunday 1200-2200
CRAFTS SHOP OPERATING HOURS (Effective April 5):
Monday through Friday 1000-2200.
Saturday and Holidays—0800-1630.

Sunday—CLOSED.
RSA BOWLING LANES OPERATING HOURS
Monday and Wednesday 1300-2300.
Tuesday and Thursday 1000-2300.
Friday and Saturday 0900-2300.
Sunday 1300-2200.
LEAGUE BOWLING:
Monday thru Thursday 1545-2300.
Friday 0900-1145 (Ladies League) 1545-1730 2000-2300.
GOLF DRIVING AND ARCHERY RANGE OPERATING HOURS
Sun. thru Sat., 1300-1830.
POST GYMNASIUM — Closed indefinitely for repair. Opening date will be announced later.

Movie Schedule

Wednesday, 8 April, "The Big Heat" starring Glenn Ford and Gloria Grahame. Time 1315, 1745 and 1945.
Thursday and Friday, "Warlock" starring Richard Widmark, Henry Fonda, Anthony Quinn and Dorothy Malone. Time 1315, 1745 and 1945.
Saturday, 11 April, SPECIAL MATINEE, "The Hired Gun" starring Rory Calhoun and Anne Frances. Time 1000.
Saturday, 11 April, "The Cosmic Man" starring Bruce Bennett Time 1745 and 1945.
Sunday and Monday, 12 and 13 April, "The Naked Maja" starring Ava Gardner and Anthony Franciosa. Time Sunday, 1400, 1745 and 1945. Time Monday 1400, 1745 and 1945.
Tues., 14 April, "Count Your Blessing" starring Deborah Kerr,

Post Library

ANNA L. FARRAR, LIBRARIAN
The Post Library operating hours are: Monday through Friday, 0900-2200; Saturdays 1000-2200; Sundays, 1200-2200. Come in and make your selections. You will find these new books available for circulation. Samuel Adams, "Tenderloin." Martha Albrand, "A Day in Monte Carlo." Maurice Buckmaster, "They Fought Alone." R. G. Choate, "Buffalo Gold." Carl Degler, "Out of Our Past." Peter Field, "Drive for Devil's River." Erle S. Gardner, "Case of the Deadly Toy." Romain Gary, "Lady L.", Andrew G. Haley, "Rocketry and Space Explorations." Evan Hunter, "Killer's Wedge." James Jones, "The Pistol." Eugene F. Kinkead, "In Every War But One." Arthur Larson, "What We Are For." Edna Sherry, "The Defense Does Not Rest." Eleazer Lipsky, "The Scient-

ists." Robert Bass, "Swamp Fox." Judith Merrill, "SF: '58." Stephen Potter, "Superman-ship." Richard Powell, "Pioneer, Go Home." Gerhard Rasmussen, "No Leave for the Captain." Robert St. John, "Ben-Gurion." Arthur Schlesinger, "Coming of the New Deal."

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SATURDAY

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PIPPA SCOTT
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TOM TRYON
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QUANTRILL'S RAIDERS
CINEMASCOPE COLOR
STEVE COCHRAN
DIANE BREWSTER
RELEASED THRU UNITED ARTISTS

SATURDAY
"Hot Blood"
Starring JANE RUSSELL
— Plus —

JOHNNY TROUBLE
CINEMA
CECIL KELLAWAY
CAROLYN JONES

SUN., MON., TUES., WED.
"Big Country"
Gregory Peck — Burl Ives
Jean Simmons

GRAND THEATRE

THURSDAY & FRIDAY

KILLER FOR HIRE
He'll leave you limp with excitement!
MURDER BY CONTRACT
starring
VINCE EDWARDS
co-starring
PHILLIP PINE
HERSCHEL BERNARDI

SATURDAY

SMILEY GETS A GUN
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'Good Housekeeping' Is 'Big Business' for Post Engineer Group

(Editor's note: This is "Good Housekeeping" Month on the Arsenal. Although every month is "Good Housekeeping" month for the RSA Post Engineer Office's Refuse Collection and Disposal Unit, its personnel expect to be even busier during the current installation-wide campaign. The following article, describing the Unit's work, was written for The Rocket by Davis Foxworthy, Acting Assistant for Operations, Post Engineer Office.)

During Redstone Arsenal's spring "Good Housekeeping" campaign this month, attention is naturally drawn to the collection and disposal of refuse when one sees the garbage collection points bulging with the extra load of what he should have discarded months ago if it had not



THEY HELP 'KEEP HOUSE'—Personnel and equipment of the Redstone Arsenal Post Engineer Office's Refuse Collection and Disposal Unit are shown above. During the post's "Good

been for the "string-saving" tendencies in each of us. We wonder why we waited so long or why on earth we could have wanted to save such junk. We just can't wait for the truck to come and get the stuff out of our sight.

You probably look at your own garbage cans filled to overflowing and then to another pickup point in the same shape and wonder if the garbage trucks will ever handle it all. You may wonder how many pickup points there are and how many trucks and men are used to pick up and dispose of the trash.

The answer to these questions is that this is really big business here on the Arsenal. There are 983 refuse pickup stations scheduled for regular pickup. They range in size from one-can stations at family quarters to 30 and 40-can stations at the larger buildings. A total 666 of these are serviced twice weekly, 237 three times weekly, 58 five times weekly, and 22 six times weekly. The large ones are serviced more frequently than the small ones. All mess halls and cafeterias are included in the six-day frequency.

A total of \$92,000 worth of equipment is utilized in the collection and disposal of refuse and trash. This includes five load packers (those huge white trucks

which compact or pack the refuse into their hungry mouths), one large stake and platform truck, two dump trucks, one bulldozer, and one crane.

Twenty-three people operate this equipment picking up the trash over the Arsenal and disposing of it at the sanitary fill, with an annual labor cost of \$101,269.20.

Five more people are engaged full-time picking up paper and debris scattered along the road shoulders and in the general use areas with an annual payroll of \$18,880.40.

Heading the whole operation is Andrew Overton, foreman of the RSA Post Engineer Office's Refuse Collection and Disposal Unit. A little simple addition reveals the annual payroll of all combined is \$120,149.60. This does not include the gas, oil, tires, depreciation, and overhead; nor does it include the 3,210 cubic yards of trash collected annually at Redstone Park by contract.

Edible garbage is collected from six military mess halls plus the post's central kitchen. This amounted to 47,227 pounds last month. It is sold by the government to private individuals for use as feed to hogs. Last month's 23.6 tons, at \$3.25 per ton, netted \$76.73. The buyer is also responsible for carrying the garbage

Housekeeping" campaign this month, they figure to be busier than ever.

Page 8 THE REDSTONE ROCKET — APRIL 8, 1959

Harold Carpenter Elected Director of Credit Union League

Harold B. Carpenter, of ARG-

off the post.

We see by now that we are either awfully clean or awfully dirty. Just think of 134,611 compacted cubic yards of trash which was generated during the past calendar year. The end is still not in sight, with 316 housing units under construction now and with more on the way.

Yes, even the trash collection business is big business at Redstone and the Post Engineer is busily engaged in making a clean job of dirty work.

MA Control Office, was recently elected District Director of the Alabama Credit Union League.

All 23 Credit Unions in the district were represented at a meeting held at Athens, Ala.

Carpenter has served the Redstone Federal Credit Union for the past six years in official capacities. He is now president, having succeeded himself last January for a second term. Previously he served as chairman of the Credit Committee.

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20 Mechanics schooled in servicing Chevrolets and Cadillacs are on duty, and we have the largest stock of parts in North Alabama.

If you want a new car with prestige, luxury and economy, then let HILL CHEVROLET COMPANY tell you more about a new Chevrolet or Cadillac.

HILL CHEVROLET COMPANY is the **only** Factory Franchised Chevrolet and Cadillac dealer in Madison County, and their sales are backed by the Factory and HILL'S 34 years in business, and is the only dealer that Chevrolets and Cadillacs are shipped to direct from the factory.

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SCIENCE FAIR AWARDS MADE—Top winners in the Fifth Annual North Alabama Regional Science Fair are shown above with Maj. Gen. J. B. Medaris, AOMC Commanding General, who made the presentation of awards Friday night. Left to right are: Chuck Koeper of St. Mary's School, Huntsville, co-winner of the North Alabama Conservation Award for his exhibit on erosion; Rex Knott, St. Mary's, Conservation Award co-winner; Marilyn K. White, Huntsville High junior grand prize winner for an exhibit on bacteria; Gen. Medaris; Sue Nungester, Decatur High, senior grand prize, leukemia; Charles McKay Chambers, Huntsville High, senior grand prize, analog computer; and John Van Pelt, St. Mary's, conservation award. Special award winners not shown were: Bucky Jackson, St. Bernard in Cullman, Morgan County Medical Association Medal for an exhibit on kidney tubules, and John Nicely, Decatur High, Navy Science Award, for his exhibit on directional light. Thirty junior and senior high schools from 10 counties were represented at the Science Fair.

hearsal 2000 hours — Convert Altar Boys Class.
Class in Chaplain's Office. Catechism classes — 1000-1130.
Confessions — 1800-1900 hours.
TUESDAY—1930 hours — No- DAILY MASS — 1130 hours.
vena in Honor of Miraculous Me- CHAPEL NO. 2 — Sunday —
dal. 1100 hours — Mass.
Saturday — 1000-1130 hours—

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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.
RSA PARK — Sunday, 0945 hours — Sunday school classes.
Morning worship — 1100 hours.
JEWISH — Temple B'Nai Shalom

(corner of East Clinton and Lincoln)
Friday — 2000 hours — Regular service. O'Neg Shabbot (Sabbath Social) at Temple Annex.
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 — 1900 hrs. Choir Re-

WRECKER SERVICE

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

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432.00	376.33	24.00	55.67
504.00	442.39	28.00	61.61
684.00	607.52	38.00	76.48
900.00	805.69	50.00	94.31
1260.00	1135.96	70.00	124.04

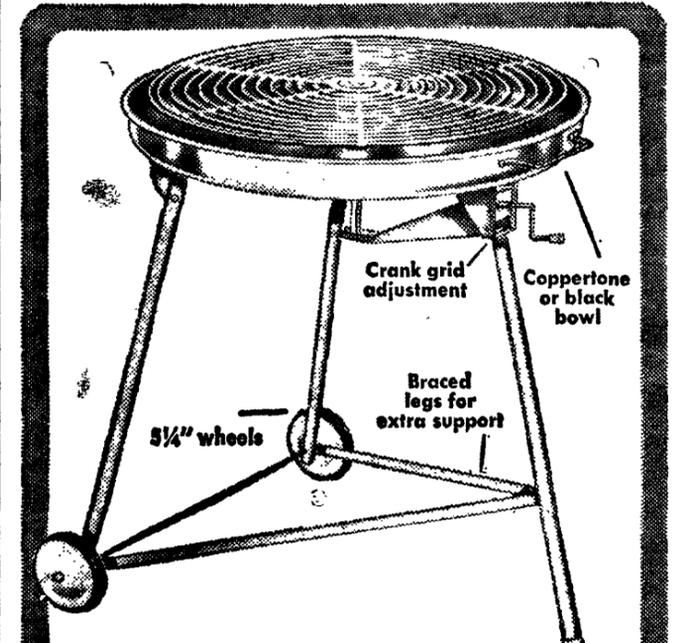
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SEE! SAUTA CAVERNS SEE!



FRANK D. CANTRELL

Frank Cantrell Is 'Safe Supervisor'

The "Safe Supervisor of the Week," selected by the RSA Safety Division, is Frank D. Cantrell, Assistant Sales Store Manager, RSA Post Quartermaster Office, Commissary Branch.

Cantrell supervises a varied operation in which the safety of customers as well as employees must be considered. He has worked with the Post Quartermaster Office since January 1953 and at the present time supervises approximately 35 people.

Prior to his employment at Redstone, he worked for one of the largest food store chains. He and his wife, Mary Ann, are both

Dinner Meeting Set April 29 by AFGE; Speakers Announced

Hammond B. Smith, Director of the Fifth Region, United States Civil Service Commission, Atlanta, Ga., will address the dinner meeting of Redstone Arsenal Lodge 1858 at 7 p.m. on April 29 in the ballroom of the Russel Erskine Hotel in Huntsville.

Other speakers will include: Robert Mello, Director of Civilian Personnel, AOMC; Arthur Sanderson, Director of Civilian Personnel, ABMA; William McAilly, Director of Civilian Personnel, ARGMA; Charles Barrineau, Director of Civilian Personnel, RSA; R. B. Searcy, Mayor of Huntsville; Homer Prater, Director, Employee Relations, AFGE; and James A. Campbell, National President, AFGE.

Only members in good standing will be invited to the meeting, E. L. Lowther, Lodge president, said. All members planning to attend must have dinner tickets. Price of the dinner is \$2.50. Only 300 tickets can be sold, since that is all that can be seated in the dining room.

Members desiring to purchase tickets are encouraged to do so early, since there are only a few left. The following persons may be contacted for tickets: ABMA — Marion Strange, ext. 5746; ARGMA — Robert Shoults, ext. 6646; RSA — James E. Holland, ext. 2294.

All tickets will be sold on a first-come, first-served basis and no tickets can be reserved, Lowther stated.

native Huntsvillians and now live at 2808 Union Drive.

His favorite hobbies are watching and participating in sports. During basketball season he was a member of a local team in the City Independent League.

No one under his supervision has ever lost time due to an accident. Also, he has shown his realization of his responsibility of the safety of his customers, Safety officials said.



CIVILIAN PERSONNEL OFFICIALS VISIT—Robert Willey (second from left), Director of Civilian Personnel, Dept. of the Army, and other high-ranking Civilian Personnel officials visited the Arsenal last week for an orientation tour and briefings. Left to right in photo above are H. B. Smith, Regional Director, Fifth U. S. Civil Service Region; Willey; Dr. Carl Hageman, member of the Secretary of the Army's Civilian Personnel Management Policy Council; Maj. Gen. J. B. Medaris, Commanding General, Army Ordnance Missile Command; and Robert F. Mello, Director, Civilian Personnel, AOMC.

Gen. Ruffner Will Be Exercise Director For 'Logex 59'

the logistic aspects of delivery of nuclear weapons.

HEADQUARTERS THIRD UNITED STATES ARMY, Fort McPherson, Ga. — Lt. Gen Clark L. Ruffner, Commanding General, Third U. S. Army, will be exercise director for "Logex 59", the latest in a series of annual logistics exercises, the Department of the Army announced today.

Nearly 7,000 Army, Navy and Air Force personnel will participate in the exercise at Ft. Lee, Va., May 11-16. The exercise will provide advanced students from the Army's service and technical schools with advanced training in the practical application of classroom supply theories.

The assumed tactical situation for the exercise depicts warfare between allied and aggressor forces with heavy emphasis on

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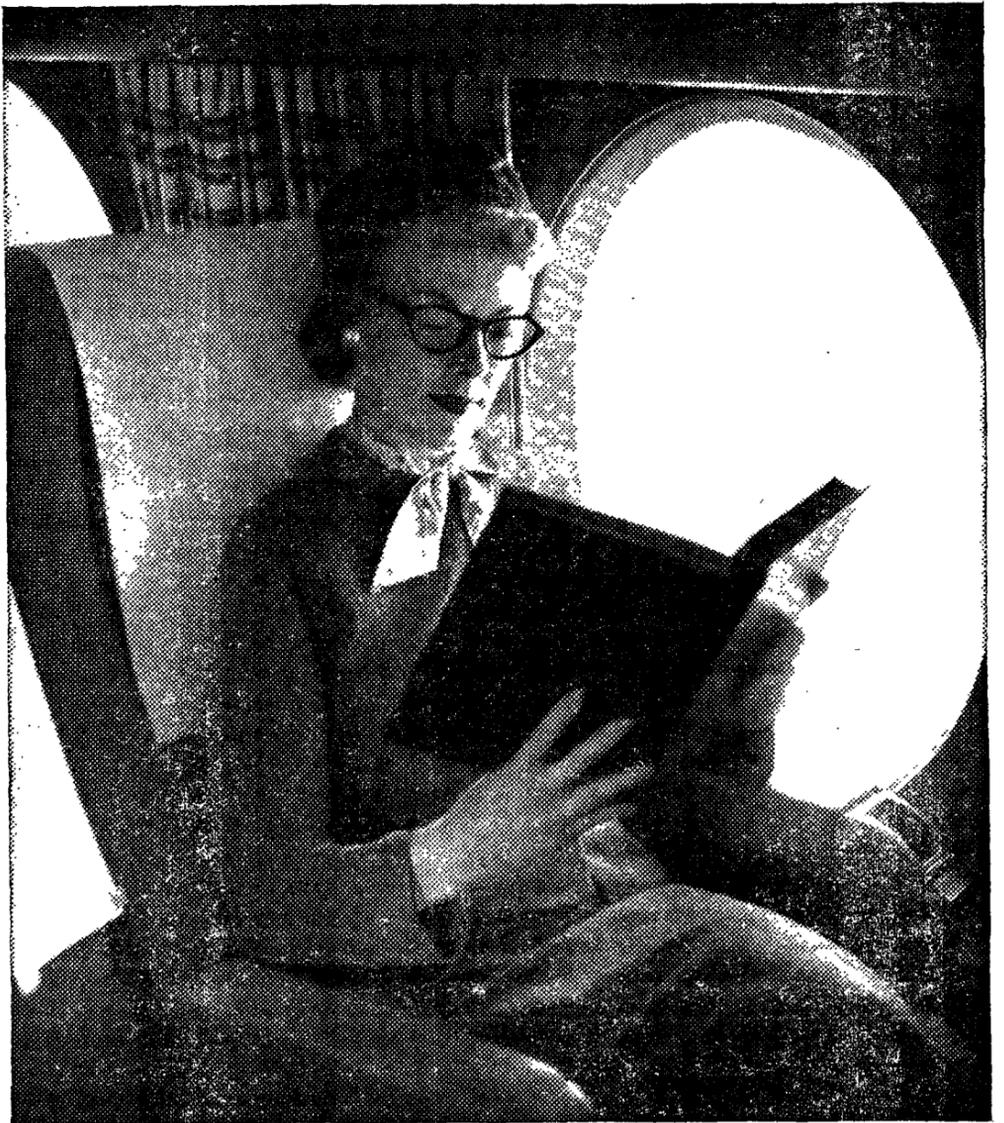
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WANT AD RATES — \$1.00 minimum, per weekly insertion, covering first 25 words. 5 cents per word for all over 25 words. Cash with copy, except where open account basis is previously established. Mail copy with payment to Mrs. Zillah Newsome, P. O. Box 346, Huntsville. Deadline is Monday, 9 a. m. for that week's edition.

SACRIFICE for immediate sale 3-bedroom brick house, best neighborhood, electric heat, professionally landscaped, immaculate. 4½ per cent GI Loan available. Near school and shopping. No brokerage or commission charges. JE 6-4295 evenings, Arsenal 6809.

FOR RENT — 5 room apartment with bath, gas stove furnished \$50.00 per month - Phon Elgin 3-9990 days or Elgin 3-3155 nights. 1tc

FOR SALE or TRADE — 1955 Thunderbird, straight shift, overdrive, black finish, hardtop, see at Mirror Lake Terrace Court or phone Redstone extension 4062 during work hours. 1tc

FOR SALE — Small two-wheel trailer complete with trailer hitch for Metropolitan, \$35.00 Phone JE 6-8796 or Redstone Ext. 2681. 1tc

HAVE HOUSE - MUST TRAVEL — MONTDALE, one of Huntsville's most desirable subdivisions, charming brick ranch type includes living room with fireplace, dining room, 3 bedrooms (one pine paneled), 2 full ceramic tile baths, complete electric kitchen including dishwasher, attached carport, front porch, large patio in rear. Within walking distance of Blossomwood School and swimming pool. Phone JE 2-2651. 1tc

FOR SALE — 1953 Chevrolet 4-door, Powerglide, power steering, radio, heater, tinted glass, whitewalls, excellent condition. Used as second car. Call Redstone Extension 6922. 1tp

HOUSE PLANS and other drafting done. Fast, reasonable, professional service. Call Sanders Drafting Service, JE 6-7510. Also 8" Craftsman table saw and motor for sale. \$75.00 complete. 1tp

FOR SALE — Clean one owner 1957 Ford convertible. Fairlane 500, all power, radio, heater, continental kit. See 1619 Ward Avenue, Telephone JE 6-7200. 1tp

AUCTION SALE—Our next auction sale will be held tomorrow night (Thursday, April 9, 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

NOW OPEN — Self service coin operated Brandon Street Laundromat. Open 24 hours a day 6 days a week at 2108½ Brandon St. S. W., next to Hill's Super Market. tfc

CHARM BEAUTY SALON featuring personalized hair styling, body waves and tinting. Phone JE 6-0912 for appointments. Located corner Church and Canal Sts. tfc

FOR SALE — Edsel Corsair 1958 Tudor hardtop with auto. trans. Perfect condition, low mileage, with two extra tires. Sacrifice. Jefferson 4-6812. 1tp

CAMPING TRAILER — 12-15-ft, 3-burner plate, w/ice box, gas heater, screens, brakes, sleeps 5. Ext. 7049, Capt. Longbottom, 201-B Dyer Circle. 1tp

FOR SALE — Westinghouse refrigerator \$60, 2-pc. brown living room suite. \$50.00. All in good condition. JE 6-0656. 1tp

STOP — YOUR WORRIES ARE OVER! If you have \$900.00 and interested in buying a 3 bedroom, brick, air-conditioned ranch home in restricted Bel-Air Heights, call George P. Sachs, Redstone Arsenal Ext. 6019, after 5 p.m. JE 6-4375. 1tp

FOR SALE — New 3 bedroom brick house with ceramic tile bath. Can be financed. See or call Jesse Black, Arab, Ala. JU 6-3055 after 6 p.m. 4-8p

PARADISE SHORES—Lake front at Wheeler Lake located at Brown's Ferry, Limestone County, Ala. Restricted area, terms to suit. See Wayne Black, owner, or phone Athens 294-W3. 1tc

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Offers Officers and First three Grades Specialized Auto Financing. Low rates, long terms, and free movement of auto; to include overseas.

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LEARN TO DRIVE in a Dual controlled car with a professional instructor. We pick you up. Reasonable rates. Satisfaction guaranteed. For full information call JE 6-8895. tfc

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

ROOMS FOR RENT—Single and double for men with good habits, completely and newly decorated, economically priced. Central Y.M.C.A. Dial JE 4-6452. 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

TRAILER SPACE available at Decatur Trailer Park, concrete patios, laundry facilities on Highway 31 South, also at Uptown Trailer Court, Decatur, Ala. Convenient to churches and schools, business district. Five blocks south of river bridge on Highway 31. Modern laundry facilities. Wiring adequate for any kind of electrical appliance. Free laundry service to patrons of Decatur Trailer Park. For reservation write P. O. Box 239, Decatur, Ala. tfc

TRICKS AND NOVELTIES—Ladys Susan Candies, N. Memorial Parkway. tfc

FOR SALE — Hotpoint 30 inch electric range, extra large oven, also Hotpoint 12 foot refrigerator, automatic defrost, extra large freezing compartment. Both new. Never used. Call extension 8358, Redstone Arsenal. 1tp

I AM YOUR Luzier's Cosmetic consultant. Please call on me when I can be of assistance to you. Mrs. Geneva Boyd, phone JE 4-4701. 1tp

FOR SALE by Owner: Three bedroom brick home, large corner lot, fireplace, bath and a half, paved drive, garage, Flemington Heights Section. Call JE 6-2234. 4-15-p

FOR SALE — Canon 35mm Camera, f1.8, full sync, case, like new, \$110. Lt. Pouncey, Arsenal extension, 2494 during working hours. 1tp

FOR SALE — 14 ft. Pen Yen boat and 5 hp Sea King Motor, in good condition, both for \$150. Call Extension 5176, or Athens 1937-J after 6 p.m. 1tp

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 Masseuse in charge. Phone JE 2-2444. tfc

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

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Births at Post Hospital

Donna Marie Romano, 6 lbs. 13 ozs., 25 March, daughter of Sgt. and Mrs. Anthony M. Romano.
Ralph Emerson Ryan, 7 lbs. 5 ozs., 25 March, son of Pfc. and Mrs. Grant F. Ryan.
Debra Lee Polen, 8 lbs. 8 ozs., 25 March, daughter of A-1-c and Mrs. Jack E. Polen.
Carol Ailine Miller, 7 lbs. 3½ ozs., 26 March, daughter of Capt. and Mrs. Dale H. Miller.
Bethanie Jane Anderson, 6 lbs., 15-3-4 ozs., 26 March, daughter of Pfc. and Mrs. Carl N. Anderson.
Nicki Jean Childress, 8 lbs. 8 ozs., 26 March, daughter of Sp-5 and Mrs. Eldridge C. Childress.
Dana Beardslee, 7 lbs. 11½ ozs., 28 March, daughter of Pfc. and Mrs. Michael Beardslee.
Robin Ann Dudas, 8 lbs. 1oz., 31 March, daughter of Pfc. and Mrs. Charles E. Dudas.
Vickie Jan Parker, 7 lbs. 9¼ ozs., 31 March, daughter of Pfc. and Mrs. Robert F. Parker.
Kellie Jo White, 8 lbs. 3 ozs., 31 March, daughter of M-Sgt. and Mrs. Lucian C. White.
Peter Cornelius Wright, 7 lbs., 10¼ ozs., 31 March, son of S-Sgt. and Mrs. Henry D. Wright.

FOR SALE — 1959 Owens 23 ft. cabin cruiser, completely equipped, 220 PH V8 inboard engine. Will sell for \$1,000 below list price. JE 6-6834 after 5 P.M. 1tp

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for Part-time Farm Owners and folks with Homes in the Country
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TWO NEW HOMES

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MORNINGSIDE ADDITION

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THESE HOMES FEATURE

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DON'T GAMBLE

On getting a better home by buying later. Prices and costs are always going up. Here's your opportunity to own one of the finest homes on today's market with a saving of at least \$500.00 on your initial cash outlay.

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Charlie Fay of Ensor Construction Company will be on duty today from 1:00 p.m. until dark. Look for his yellow Pontiac if he is busy—Charlie will be glad to help and advise you about your housing problems.

DIRECTIONS

Turn left (East off Highway 31 S. at the 31 Drive In, onto 11th St. S.E. Go East to Summerlane and turn right (So.) go two blocks to 13th St. Turn left (East) go one block and look for 2308 and 2310 on the left.

If you are looking for a good equity buy for \$1100, Mr. Fay will be glad to help you secure this nice home on 1705 Buena Vista Circle. We will also build on your lot from our plans or yours!

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ONE BLOCK OFF DANVILLE ROAD

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FEATURING:

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Three Bedrooms
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YOUR BEST HOME BUY!

3 bedroom brick home with 1-1½ and 2 ceramic baths, some with fireplace and 2 car garage. All city conveniences including city sewage, close to school, shopping and arsenal.

\$550 Down and Up — F. H. A.

Closing Cost Guaranteed \$331 Maximum

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ORVILL COWART, JE 6-7384 or ROBT. COOK, JE 6-0159

The Judge Advocate Advises



A person's legal residence or domicile, commonly referred to as "residence," is frequently material in fixing legal rights and duties.

For example, certain types of suits can only be brought in the state of residence of one of the parties. Likewise, the obligation to pay many varieties of taxes depends upon residence.

It is generally accepted that a person's state of residence is the one which he considers to be his permanent home. However, this is normally subject to the condition that he must have been physically present there while recognizing this particular state as his residence.

Complicated Question

There is no difficulty in determining the residence of most individuals; it is simply the state where they have lived most or all of their lives. However, the question often becomes complicated as to military personnel and other persons who make frequent interstate moves.

The Soldiers' and Sailors' Civil Relief Act provides that military personnel do not lose their established residence nor do they obtain a new residence solely by reason of a change of station from one state to another pursuant to military orders.

However, this does not mean that military personnel cannot change their residence. A change of residence may be accomplished if the individual intends to make the new state in which he is physically located his permanent home. This is true even though such a person moves to that state pursuant to military orders.

Intent to Change

An individual's intent to change his residence is proven more by his actions than his words. While none of them alone would necessarily constitute complete evidence of the fact, the following actions taken within a state by an individual, for example, would constitute evidence of his intent to make that state his residence: purchasing a home; registering to vote; taking a permanent job; or moving family and household goods to the new location and declaring oneself a resident for the purpose of gaining any advantage incident thereto.

Questions recently presented to legal assistance advisors in the Office of the Staff Judge Advocate, AOMC, indicate that all personnel are not aware that they or their dependents may be subject to state income taxation by the State of Alabama, their home state (if other than Alabama), or both.

The possibility of taxation by two states arises since some personnel, although stationed in Alabama, are legal residents of another state. The determination of the state of legal residence is often difficult. The question of residence has been discussed above, and, for the purpose of this discussion, it will be assumed that there is no question as to which state is the legal residence.

Although it would seem that taxation by two states of the same income is unfair, there are logical reasons behind the principles of law involved. First, any state may tax the gross income of its residents even though they may be temporarily living and working in another state. Second, any state may tax income produced within its boundaries by either residents or nonresidents.

Same Reason

The reason for both rules is basically the same. In each case the taxing state provides certain protection and grants certain privileges thereby creating a duty on the part of the recipient to help bear the cost of government. For example, a resident of California stationed here still is entitled to vote in California, receives the protection of California courts, and may receive the benefits of California schools for his dependents. On the other hand, while in Alabama he receives fire and police protection, the privilege of using Alabama streets and highways, and may also be entitled to send his children to Alabama schools. The Supreme Court of the United States has held that, where a person receives the benefits of two states, both may tax his income.

Thus the entire gross income of all military personnel and their dependents is subject to taxation by their home states. Some states

Relief Act

In the absence of other law, all servicemen and their dependents would be required to pay income tax to the State of Alabama for all income earned here. The Soldiers' and Sailors' Civil Relief Act provides, however, that no state may tax the MILITARY PAY of any person who is not a resident. Therefore, servicemen stationed here are not required to pay Alabama tax on their MILITARY PAY unless they also happen to be Alabama residents. Any servicemen who have earned "out-side income" in Alabama, and all dependents, are required to pay Alabama tax on all such income within Alabama. Many other states will, however, allow

Course in German Set At University Center

The University of Alabama has announced a beginning course in German which will be taught each Tuesday and Thursday from 7:55 p.m. to 10:00 p.m. This

a deduction from the tax due to them for the amount paid to Alabama.

Legal assistance personnel in the Office of the Command Staff Judge Advocate are prepared to help all military personnel and their dependents in the solution of their state income tax problems.

course in elementary German is to be taught by Mrs. Gerhardt Heller of the University Center language department.

This three semester hour course is designed for people who have no background in the German language.

Other foreign languages being taught at the Center this term include an intermediate course in French and an intermediate course in German.

Further information concerning these courses may be obtained at the University Center office in Butler High School on West Clinton Street.

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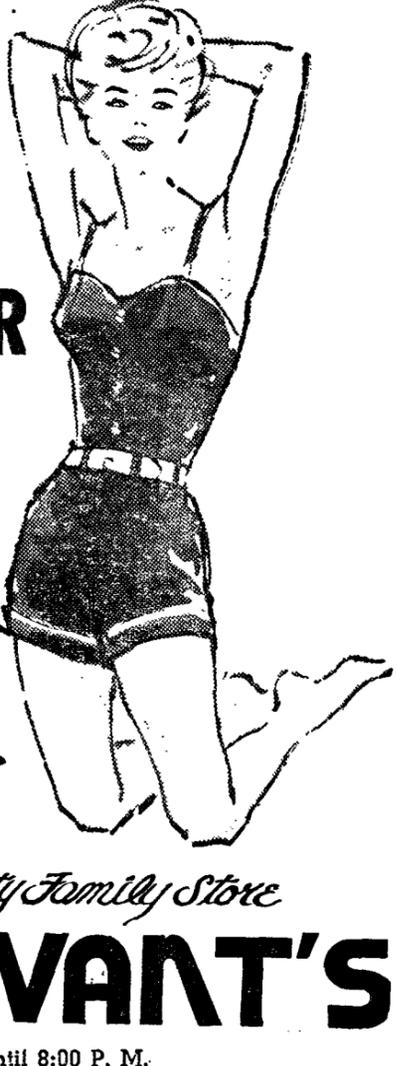


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