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The Redstone Rocket

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

VOL. XI; NO. 14

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

AUGUST 15, 1962

Authorities Map Control Stations For Graham Meet

Army and civil authorities from two states have worked out detailed plans to assist auto travel to and from Redstone Arsenal when Evangelist Billy Graham speaks here later this month at an outdoor meeting.

Preparations are being made to accommodate 100,000 visitors at the meeting scheduled for 4 p.m., August 26, at the Redstone Arsenal airfield.

Floyd Mann, Alabama Director of Public Safety, and Greg O'Rear, his counterpart in Tennessee, were both represented at the planning session on traffic movement held Thursday at the Arsenal.

Colonel R. M. Allgeier, the Army Missile Command's coordinator

COUNSELOR TRAINEES NEEDED

Special makeup classes for counselors in the Billy Graham Rally at Redstone Arsenal on Sunday, Aug. 26, will be held Tuesday night, Aug. 21 and Thursday night, Aug. 23, from 7 to 9 p.m. at the First Baptist Church of Huntsville (corner Clinton and Gallatin).

Two hour sessions will be held on each of the nights, with lectures one and two scheduled for the first night and lectures three and four scheduled for the second night.

Everyone desiring to serve as counselors or as advisors must attend the four lectures. Pastors are needed as advisors!

These classes will be supplemental to the ones already in progress in the Huntsville area. For further information, individuals may contact Chaplain (Capt.) Richard G. Cook at the Post Chapel, 876-2409.

for the Graham program, invited participation by authorities from the two states and officials from Huntsville and Fayetteville. Army military police will handle traffic on the Arsenal.

Traffic plans include:

1. A combined control center at Huntsville Police headquarters with two way radio contact with military police, patrol aircraft, Alabama and Tennessee Highway Patrol units and city police in Decatur. (See BILLY GRAHAM on Page 2)



RETIRES—Robert D. Williams, an electronic development technician with the Directorate of Research and Development, has retired for health reasons after more than 10 years of government service. Williams began work at Redstone Arsenal in 1951, and has been with the Electromagnetic Laboratory since 1954. Williams lives in Huntsville with his wife, Bernadean, and two daughters, Linda Jean and Pamela.

Group Life Insurance Has 3251 Subscribers

The Group Life Insurance program sponsored by the Redstone Arsenal Civilian Welfare Fund Council reached a total of 3251 employe subscribers at the close of business Aug. 1, according to the statistics compiled for Leonard Brockman, coordinator of the program.

This represents a total dollar value of \$28,121,000 or an average of \$8500 per individual insured.

All subscribers are covered by double indemnity in case of accidental death.

Principal coordinators included members of the Welfare Fund Council, P. Fearson Shortridge, president of the Council; Ray Strange, Field Service Directorate; Willard Collins, Directorate for Industrial; Gilbert Appler, Army Missile Support Command; Henry Hall, Directorate for Research and Development; and Capt. Jerry Nix, Ordnance Guided Missile School. In addition many other people assisted. Mr. Brockman, the coordinator will furnish each of them with a letter of appreciation. (See GROUP LIFE on Page 2)

Operational Outline Sets Initial Project Manager Space Allotments

Sergeant Hits 3 Out of 3

Three times at bat—three hits. That's the performance of our Sergeant missile system in the current series of Engineer-Service test firings underway at White Sands Missile Range, N. M.

The Army's newest ballistic missile scored three consecutive hits on pre-selected targets. The firings of the tactical ballistic missile are combining Army engineer and service tests in a single series. That's unusual.

Normally such firings are conducted separately and consecutively.

The Army has cited successful combination of the two types of tests as an example of the continuing effort to provide soldiers with reliable and effective equipment at the earliest possible date.

Engineer tests verify the performance of production line missiles and ground support equipment. Service tests are designed to demonstrate the readiness of the system to operate in the field under combat conditions.

Col. John E. Aber, Sergeant project manager, said the successful firings are a further indication of the teamwork between all elements of the Army involved in the program and Sperry Utah Company, Salt Lake City, Utah, the prime contractor.

Sergeant is in production as a replacement for the liquid-fueled Corporal missile which has been operational with Army units at home and overseas for several years.

Sergeant, using solid propellant rocket fuel, is more mobile, rugged and reliable than the Corporal and can be quickly set up and fired under adverse conditions of weather and terrain. Its inertial guidance system makes it immune to all known electronic countermeasures.

279th Signalmen Welcomed Home

The 279th Signal Battalion (National Guard) was welcomed home by the City of Huntsville and the Army at Redstone Arsenal Monday, after a year of active duty at Ft. Hood, Tex., as a result of the Berlin crisis.

When the outfit arrived in Decatur Saturday, the City of Decatur turned out to welcome them.

Monday appropriate ceremonies were held in Big Springs Park in Huntsville with Mayor R. B. Searcy and Brig. Gen. George E. Pickett, Comptroller and Director of Programs for the Army Missile Command whose previous assignment was Signal Officer for the Army Ordnance Missile Command, presenting awards to the battalion. Joe Moquin, president of the Tennessee Valley Chapter of the Association of the U. S. Army, presented a plaque on behalf of the association.

Lt. Col. Joe Payne, Battalion Commander, accepted a plaque from Brig. Gen. Pickett from the Armed Forces Communications (See SIGNALMEN on Page 3)

An outline for operation of the Army Missile Command under the Project Management concept has now been prepared along with initial manpower authorizations.

Maj. Gen. F. J. McMorrow, Commanding General, said today that about 1,200 military and civilian personnel will be the first directly affected by the activation of project manager offices. Actual movement of these personnel and supporting equipment from present work positions will not take place until all plans are in final form.

United Givers Fund Drive Begins Soon

The United Givers Fund steering committee is already laying plans for the Redstone campaign which will run from Sept. 17 through Nov. 2 with the same goal as last year—80 per cent of one day's pay—according to H. R. Lowers, Executive Chairman.

Lowers pointed out that the Redstone UGF is unique in one respect. The military personnel on post also contribute to the Joint Activities Council Fund which is a part of the Huntsville-Madison County UGF. Therefore, a portion of the military donations will be allocated for use of the Joint Activities fund. Like other UGF agencies, the funds are based on an annual budget except the source is from military personnel.

Altogether, there are 30 agencies serviced through the Huntsville Madison County UGF.

They include the Grace Center Day Nursery, Council Day Nursery, Christmas Charities, United Jewish Appeal, Harris Home for Children;

Travelers Aid, Red Cross, P-TA Milk Fund, Salvation Army, Family Counseling Service, Crippled Children, Aid for Retarded Children.

Mental Health, American Hearing Society, American Social Health Association, Central YMCA, Virginia McCormick YMCA, Boys' Club, Boy Scouts, Girl Scouts Church Street Community Center. (See UGF on Page 2)

In addition to considering the question of manpower, the outline sets up ground rules for operation of the project manager offices and also for the functional Directorates and personal and supporting staff elements of the Missile Command.

Personnel Assigned

Under the concept of vertical project management, eight missile systems at the Missile Command have been singled out for specialized treatment. These include Nike Zeus, Nike Hercules, Pershing, Sergeant, Hawk, Mauler, Missile B and the Field Army Ballistic Missile Defense System.

Personnel who are now associated 100 percent in support of a given weapon system are to go into the initial allocation of spaces for each project office. This will permit the Project Manager to make use of the full potential of talent available to him.

The Directorates will provide part of the initial allocation of personnel.

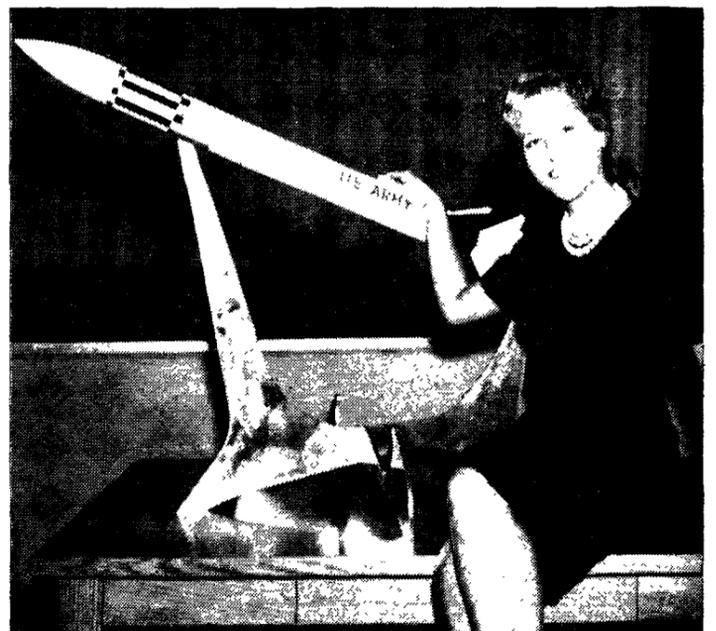
New Responsibilities

Pointing out that the present realignment is designed to meet increased responsibilities, Gen. McMorrow said that the Project Managers are the principal focal point within the Department of the Army for all operations connected with their project, and they exercise certain delegated authorities of the Commanding General, Army Material Command.

"It should be stressed that Project Management is basic to the concept under which the Missile Command has been operating for some time," Gen. McMorrow said, "and it will be the main pattern for most of our activity for years to come. . . . It means that an indi- (See OUTLINE on Page 2)



PLAQUE PRESENTED—Joe Moquin (left) presents a plaque to Lt. Col. Joe Payne, Commander of the 279th Signal Battalion, National Guard, during "welcome home" ceremonies for the battalion which has been mobilized since the Berlin crisis one year ago. The plaque was from the Tennessee Valley Chapter of the Association of the U. S. Army. (More pictures inside)



MISS AND MISSILE STRUCTURE—Linda Mosier of the Structures and Mechanics Laboratory shows off the structure of a Little John rocket during the Missile Structures Seminar here last week. Linda, a native of Fayetteville, Tenn., is secretary for the technical staff of the S & M Laboratory.

The Redstone Rocket

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Rocket Ruminations

"Science in itself without the guidance of true humanism is like an unbridled stallion lacking reins. The quicker and craftier it is, the more dangerous."—Dagobert D. Runes, in Letters to My Teacher.

Words of Praise

In a Commanders Letter sent out the past Friday, personnel of the Army Missile Command heard words of praise for their work as given by men in the field using equipment developed here. These words of commendation were given to Maj. Gen. F. J. McMorrow, Commanding General, Army Missile Command, during his recent tour of Army missile units in Europe.

Gen. McMorrow's letter was so impressive that it is being reprinted as this week's editorial. We feel that all personnel connected with the Army Missile Command can take deserved personal pride in these remarks:

TO MISSILE COMMAND PERSONNEL:

Here at the Missile Command we tend sometimes to get a one-sided view of our relationship with the Army units armed with our products. There are established channels for the Soldier to tell us when something goes wrong with a piece of our hardware or our performance is not fully satisfactory. No such channel exists for expeditious delivery of an occasional bouquet.

Recently I visited several Army missile units in Europe. I wish every man and woman of the Army Missile Command could have shared the experience with me. At every stop I was gratified to find pleased "customers." The men who may be called upon to fight with Army missiles are ready and their equipment is ready. Their gear works and they know how to use it. Their confidence level in our product is high and they are looking forward to receiving even better hardware which will be coming into the inventory soon.

In a few words, the job you have done is appreciated by the men in the field who are most directly affected.

Each of us now has an even greater opportunity to serve our country as members of the Army Materiel Command.

New authorities have come to Missile Command personnel under AMC's management concepts and with them have come increased responsibilities:

There's a big job to be done. I know you are up to it; so do you, and so do the Soldiers we serve.

F. J. McMORROW
Major General, USA
Commanding

Welcome Back

Words of welcome, handshakes of friendship and tokens of esteem were showered on members of the 279th Signal Battalion the past week end upon their return home from a year of active duty.

These men—many of whom were our fellow employes at Redstone Arsenal—have performed a great service to their nation at considerable personal sacrifice. It may well be that their duty helped keep the United States from war.

We welcome these citizen-soldiers back.

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OUTLINE

(Continued From Page 1)

vidual or group is focused exclusively or primarily on the accomplishment of the single program objective and does not have attention and effort divided among a host of tasks and programs."

Immediate Problem

One of the most immediate problems, and one to which priority attention is being focused, is that of physical location of Project Manager personnel. This is necessary to assure the Project Manager control and direction over those people assigned to his organization. "No moves of individuals or supporting equipment will be made until the plan is finalized and the moves can be approached in an orderly and logical manner," Gen. McMorrow said.

CPG to Help

In outlining the first manpower authorizations to the Project Managers, the Commanding General said that he recognized that there will be many problems resulting from movement of individuals from Directorates. In this regard, he said, "... the Civilian Personnel office will perform those normal judicial functions with respect to grades, right of individuals, seniority, and availability."

Gen. McMorrow's directive said that if a Project Manager is faced with a personnel problem, he should first discuss it with the functional Director and the Civilian Personnel Office for resolution. Unsolved problems will be brought to the attention of the Chief of Staff.

Staff Functions Retained

"I re-emphasize that none of the functions or personnel spaces of the Personal and Supporting Staffs or the Missile Support Command will be transferred to the Project Managers," he said.

Under this new concept, the Project Manager will be authorized to deal directly with all levels of the Army Missile Command in areas of activity relating to his system. In his direct contacts with Command personnel, the Project Manager is requested "to make these contacts in a reasonable way, to make certain that he asks for nothing contrary to existing policy and talks in terms of reasonable priority."

Normal channels of communication will be utilized for formal task orders, written directives, or other orders from the Project Manager to the functional Directorates, Missile Support Command or Watertown Arsenal.

Increased Responsibilities

"This has been a year of change for all of us at the Missile Command. Not only has the mission of the Missile Command taken on a substantially increased importance, we have just begun a major realignment in order to meet those increased responsibilities more effectively," Gen. McMorrow said.

"It is emphasized that this Command must operate at the maximum efficiency during the transition period," he stated. "... All personnel of this Command must conduct themselves in a mutually helpful manner to provide a co-

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BILLY GRAHAM

(Continued From Page 1)

tur and Fayetteville.

2. Special directional signs to guide motorists to and from the airfield.

3. Three light planes furnished by Huntsville—Madison County Civil Defense to spot congestion points on the ground and suggest routing instructions to police control units.

Also discussed was the possibility of establishing information centers on main highways within a 30-40 mile radius of Huntsville to give motorists instructions and maps with the best route marked through Huntsville to the airport.

Participants in the conference included Chief Chris Spurlock and Sgt. Clay Evans of Huntsville police; Chief Otis Dye of Fayetteville; Capt. Lewis M. Hamilton of the Tennessee Highway Patrol, representing O'Rear; Norman R. Perry, Chief of Civil Defense police for Madison County, and Capt. J. M. Hopkins, Fayetteville Civil Defense.

Army representatives included Col. Allgeier, Redstone's chief of intelligence and security; J. L. Carroll, his deputy; Major F. M. Conway, Arsenal provost marshal, and Lt. Michael Lanzaroni, military police operations officer.

operative environment and assure an efficient atmosphere for the accomplishment of assigned missions."

UGF

(Continued From Page 1)

USO, National Recreation Association, Madison County Council of Community Organizations, National Social Welfare Assembly, Child Welfare League:

National Council on Crime, Council on Social Work Education, International Social Service, Joint Activities Council (Redstone Arsenal military donations).

GROUP LIFE

(Continued From Page 1)

One full time employe of the insurance company will be available to answer any questions on the insurance program. She is Miss Elizabeth James, secretary-treasurer of the Redstone Benefit Association. Her phone number is 877-4124.

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WELCOME HOME—Brig. Gen. George E. Pickett welcomes the 279th Signal Battalion home after a year on active duty at Ft. Hood, Tex., with the National Guard. He also presented a plaque from the Armed Forces Communications and Electronics Association to the battalion.



LETTERS OF APPRECIATION—Mayor R. B. Searcy presents men of the 279th Signal Battalion letters of appreciation from Gov. John Patterson for their duty as active National Guard following the Berlin crisis last year. The unit returned to Huntsville Monday.

Winner of MH Recalls Joyce Kilmer's Death

Camp Kilmer, N. J. (AFPS)—Joyce Kilmer, soldier-poet of WWI for whom this Army post is named, "always wanted to be up on the front line to see how things were going for himself."

So recalls a recipient of the Medal of Honor, Richard M. O'Neill, who was standing beside the author of *Trees*, one of America's best-loved poems, when Sgt. Kilmer met his death in France.

O'Neill, who was awarded the nation's highest military decoration for single-handedly attacking a detachment of 25 Germans, describes Kilmer as a "retiring fellow, somewhat older than the average fellow there and always trying to be in the front line even though he was with regimental headquarters and could have been there."

Both O'Neill and Kilmer were members of the 165th Inf., better known as "the Fighting 69th" of the New York State National Guard. Kilmer was killed in the regiment's first major action at Champagne-Marne in July, 1918. "We were holding a position, trying to organize an attack near the Ourcq River," O'Neill remembers. "We made it late that afternoon, about four hours after Kilmer's death."

Contrary to several historians

who have written that Kilmer was caught in machinegun fire, O'Neill says he was actually shot by a sniper. O'Neill, who is now a representative of a New Jersey electronics firm, was platoon sergeant at the time, but he ended up as acting commander after all his officers had been killed in the savage fighting.

DETAILS ON MEDAL

Army Regulation 672-210 gives information pertaining to the awarding of The American Spirit Honor Medal. The medallion is provided by the Citizens Committee for the Army, Navy and Air Force, Inc.

SIGNALMEN

(Continued From Page 1)

and Electronics Association. Mayor Searcy presented letters of appreciation from Gov. John Patterson to men in the Battalion. The formal ceremonies were followed by a barbecue.

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SERVICE AWARDS—Five civilian policemen were awarded service pins and certificates by Chief James R. Glenn (right), of the Civilian Police Branch, Provost Marshal. Holding their awards, left to right are: William C. Maxwell (10 years), Curtis G. Spann (10 years), James O. Boyd (20 years), Verbon G. Bishop (20 years), and William G. Atkinson (20 years).

Army Reserves Training At Transportation School

FORT EUSTIS, Va. — For the third consecutive year the 3292d USAR School from Knoxville, Tenn. is conducting its two-week annual active duty training at the U. S. Army Transportation School, July 28th to Aug. 12th.

The 3292d, activated in Sept., 1952, has as its commandant, Col. Ralph Schilling. There are 25 staff and faculty officers and enlisted men and 107 officer students. These students come from as widely separated areas as Miami to Denver.

This year the Huntsville USAR School from Huntsville, is also re-

ceiving its instruction with the Knoxville unit. Members from the unit who are at Ft. Eustis are Lt. Col. John S. Hinkle, chief, Training and Development Division, Army Missile Command; Maj. Gordon S. Ricks, Administrative Special Assistant, Propulsion and Vehicle Engineering Laboratory, Marshall Space Flight Center; Maj. John H. Martin, project manager, Facilities Engineering Office, Marshall Space Flight Center. Maj. Charles C. Young, transportation and mobility officer, Transportation Office, Army Missile Command, and Lt. F. Wendell Johnson, aerospace engineer, Structures and Mechanics Laboratory, Research and Development Directorate, Army Missile Command.

19 Countries Take Part

American Armies Conference Winds Up Talks on Logistics

Washington (AFPS) — The 1962 Conference of American Armies, composed of more than 80 high ranking officers from 19 American Republics, has been concluded at Ft. Amador, Canal Zone.

After an honor guard ceremony, Gen. George H. Decker, U. S. Army Chief of Staff, read a message from President John F. Kennedy in which the meeting was termed a "... concentrated effort by the American Republics to strengthen mutual understanding."

The meeting was held in the Officers' Club, ringed with exhibits stressing the theme of logistics. Many were illustrated with colored transparencies, augmented by

tape-recorded explanations.

The conference heard a series of presentations on various phases of logistics from some of America's top experts.

Members of a Special Forces Team from Ft. Bragg, N. C. presented a static display, where equipment, survival methods and action techniques were demonstrated in separate booths.

After these demonstrations, they joined forces with the Air Force's First Commando Group and landed planes on a 250 foot runway, picked up sky-divers and took off again.

As a grand finale to the demonstration, the U. S. Army's Caribbean Atlantic Sport Parachute Club put on a show of sky-diving.

Getting back to the logistics theme, Brig. Gen. Robert C. Kyser, Deputy Commanding General of the New U. S. Army Supply and Maintenance Command, opened a session with a discussion of planning and organization for material support.

"It takes planning and organization to decide in advance what support that equipment will need and to have it within reach at the right time," he explained. "Ten pieces so supported are more effective and cheaper than 25 poorly supported machines after a few months of hard use."

The last day of the conference was highlighted by addresses by top-level logistical experts and the Honorable Stephen Ailes, Under Secretary of the U. S. Army.

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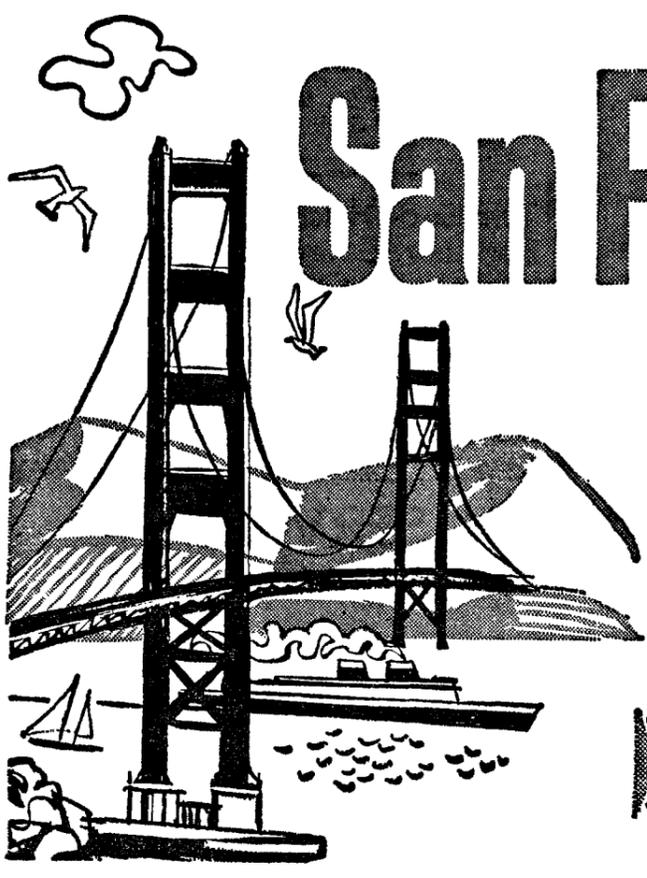
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PRACTICES CODE, CONDUCT STANDARDS DRAFT SUBMITTED FOR COMMENT

Labor Department and the Civil Service Commission have jointly issued proposed Standards of Conduct for Government employe organizations and a Code of Fair Labor Practices for Federal agencies to follow in carrying out the new employe-management program in Government. A proposed draft of both has been sent to agencies and employe organizations for comment and suggestions before referring the draft to the President's Temporary Committee.

The proposed Standards of Conduct provide that employe organizations must subscribe and adhere to the following principles as a condition of recognition by a Federal agency:

Democratic practices in internal organization affairs.

No Communists or other subversives or those "identified with corrupt practices" as leaders of the organization.

Organization officers may not carry on business activities which conflict with their organization interests.

Fiscal integrity, including full and regular accounting of organization funds.

An employe organization which does not meet these standards may not participate in the Federal employe-management program. However, recognition may not be withdrawn by an agency without consulting and obtaining an advisory opinion of the Secretary of Labor.

The proposed Code of Fair Labor Practices spells out things agencies must NOT do. Specifically, agencies must NOT:

Interfere with, restrain, or coerce employes in exercise of any right assured by the Executive order which set up the new employe-management program.

Encourage or discourage membership in any employe group "by discrimination in regard to hiring, tenure, or other conditions of employment."

Sponsor, control, or assist any employe organization. However, the agency "may furnish customary and routine services and facilities" on a non-discriminatory basis to all employe groups.

Refuse to grant appropriate recognition to groups that qualified for it.

Refuse to "hear, consult, confer, or negotiate" with employe groups as required by the Executive order.

The Code tells employe organizations they must NOT:

Coerce, intimidate, or interfere with employes in enjoyment of their rights under the Executive order—or attempt to induce agency management to do these things.

Coerce or discipline organization members in connection with lawful discharge of duties as Federal employes.

Threaten, call, or engage in "any strike, work stoppage, or slow-down" against the Government.

INFORMATION EXCHANGE

The Army will be in charge of the new Defense Logistics Studies Information Exchange. The clearinghouse for exchanging information on logistics studies conducted by the Military Services and other Department of Defense elements, will assemble data on past or present studies in the field of defense

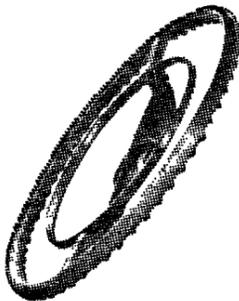
The Redstone Rocket — August 15, 1962

Page 5

management or supply and publish an annual bibliography with quarterly supplements. The Army has pioneered this field in the Defense Department through its U. S. Army Logistics Management Center.

Having run over a rooster, the motorist reported the fact to the owner and stated, "I killed your rooster, sir, but I'm willing to replace him."

"Hmmm," said the farmer, "let's hear you crow."



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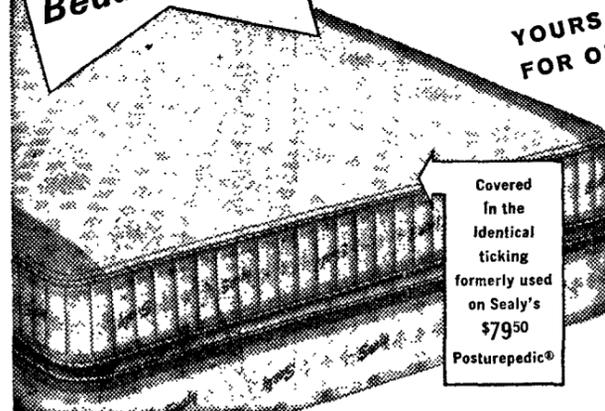
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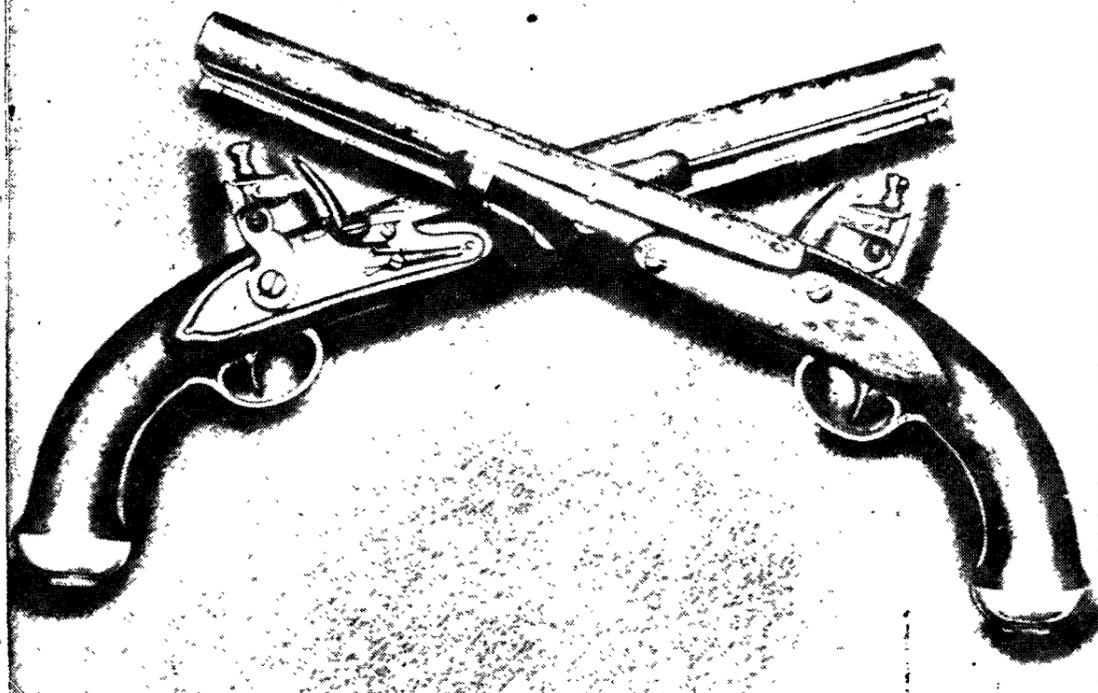


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MPs ACQUIRE MUSEUM PIECE—Military Police all over the world are contributing to a fund for a pair of Harpers-Ferry pistols recently acquired for the MP Museum at Ft. Bragg, N.C. The recently acquired pistols are the first pair the Corps has been able to locate since adoption of crossed pistols for the Corps insignia. Lt. M. L. Laird is the coordinator of this project for the 291st Military Police Detachment here.



POOL TROPHY—Betty Hayes, Service Club Program Director presents Individual Trophy to Pvt. Donald Neals of Hq & Hq, STC/OGMS for Post-Wide Pool Tournament. Lt. Paul, CO of Hq & Hq looks on.

Sports by Handy

Baseball

On the weekend of Aug. 4-5, the invading Ft. Campbell baseball team took Redstone Arsenal All-Stars into tow. A few bad breaks held Redstone back and by the time the team began to function as a team, it was too late.

In the first game it was nip and tuck 'til the ninth inning and then an error and a long single let in the winning run. The final score of the first game was 7-6.

In the second game the score was tied 1-1 in the seventh inning; Redstone erupted for two runs in their half of the inning and Ft. Campbell, not to be outdone, scored three in their half of the inning. The final score of the game was Ft. Campbell 4, Redstone 3.

SFC Lyles, Coach of the All-Stars is still looking for pitchers. So all you arm-chair pitchers come out and prove your worth to the post team, before the 3rd Army Baseball Tournament Aug. 27 thru Aug. 31.

Bat boys are needed for the

teams visiting the Post during the tournament. Any boy interested in being a bat boy can call SFC. Whisenant 876-2943 or 876-4065.

Football

Football (11-man Tackle) Officials are needed for the coming season. A clinic for rules or changes to the rules will be held Sept. 10-14. Anyone interested contact SFC. Whisenant.

S-Sgt. Mueting Places in Perry Small Bore Match

Staff Sgt. Obie S. Mueting of the Redstone Arsenal Small Bore Rifle Team won two places in individual competition at the National Rifle Championships at Camp Perry, O. Aug. 6-10.

Competing with 780 riflemen throughout the country, Sgt. Mueting took a third place in the Dewar Course for metallic sights and a fourth place in the 50 meter metallic sights event.

Other team members who made the trip to Camp Perry were SSgt. Coarad Inaomorti, Sp5 James Maloney, PFC John Violette, and PFC Nicholas ViMona.

The National Rifle Matches, an annual event at Camp Perry, is the mecca of U. S. shooters, drawing the top guns in the country to compete for honors in all types of rifle and pistol competition.

Sports Car Buffs

By Ray Mosling

Tomorrow evening at 7:30 p.m. the Twickenham Auto Club will hold their second August meeting at Clark Steadman's Restaurant, corner of Jordan Lane and Holmes Avenue West.

The impressive program arranged for the big SCCA pre-national Heart of Dixie Rallye to be conducted in Huntsville Aug. 25-26 will be outlined at this meeting. If you are interested in rallies,

don't miss this meeting.

Also scheduled for this week are the SCCA Race Control School's second class at the Huntsville Airport fire station and the regular monthly meeting of the Tennessee Valley Region, SCCA, at the Pin Palace Bowling Alley.

The Race Control School's second class, conducted in conjunction with the Huntsville Fire Department, will cover fire fighting techniques applicable to gasoline and other automotive fires. Attendance at this school is mandatory for corner captains working at the Courtland races on Sept. 14-15. This class will begin at 9 a.m. on Aug. 18.

Also on Aug. 18, the regular monthly meeting of the Tennessee Valley Region, SCCA, will be held at 7:30 p.m. at the Pin Palace Bowling Alley, located on North Memorial Parkway. This will be the last meeting before the pre-national rallye, so come out and get the

final details.

Entries for this event have been received from many distant places in the Southeast to date. Many workers are still needed to man checkpoints and help with administration.

If you are interested in helping, please contact Rallymaster Bill McClain (Philco) at either the Twickenham Auto Club meeting or the SCCA meeting.

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Golf Group Plays Blind Bogey Tourney

The Golf Group sponsored by the Redstone Arsenal Officers Wives Club held a blind bogey tournament at the Redstone Arsenal Golf Course last Wednesday with Mrs. W. B. Lewis and Mrs. F. E. Napper tied for first place.

Mrs. Charles Payne and Mrs. H. H. Wishart tied for low putt. Mrs. Wishart won the play off.

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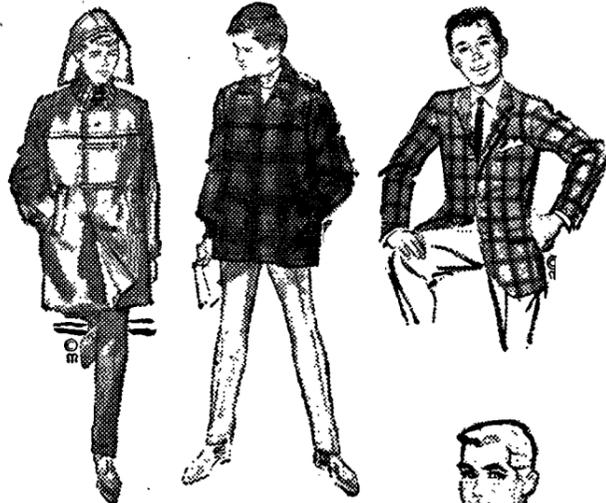
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Scientists Lend An Ear To Signals From Venus

Army Missile Command scientists are lending an "ear" to the Harvard College Observatory to enable astronomers there to listen to signals from the planet Venus.

Although the Command is primarily concerned with Army missiles, it is ready to assist in such scientific projects when it can.

The "ear" loaned to Harvard is called a millimeter wave length radiometer, an instrument like a radio receiver that can pick up the extra short wave length radiation from Venus.

The radiometer, hand built by Missile Command scientists, is the only one of its kind known in existence. While the circuitry is common, the grouping of components makes the Missile Command radiometer a unique instrument.

Everything, including the human body, sends out a certain amount of radiation. The radiometer is designed to detect ultra short radiations such as those Venus sends out. By analyzing the radiation, scientists can determine how hot it is on the planet and what materials are present on the surface.

The coming months will be the most favorable time for observing the cloud-shrouded planet as it ap-

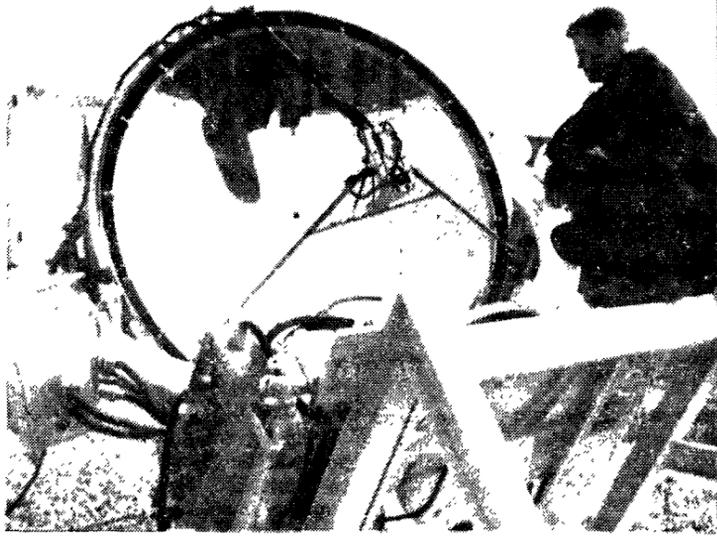
proaches within approximately 26 million miles of the earth.

The Army has used the radiometer in research on the effects of the earth's atmosphere on the ultra short radiations by receiving radiation from the sun.

Built by Research Laboratory personnel, the device uses a short piece of copper tubing like a microphone to pick up radiation, while the 6 ft. diameter mirror of a surplus Army searchlight serves as a lens and focuses the sunlight on the copper tubing "microphone."

When Harvard University is finished with the radiometer, the Army Missile Command has other plans for its measuring device. Since the instrument can be used as a thermometer, it will be employed to measure heat generated by the new plasma jet facility in the Command's Research Laboratory.

The plasma jet simulates in a test chamber the re-entry conditions a ballistic missile nose cone experiences in plunging back into the atmosphere. The intense heat that results from air rushing past the nose cone can be measured as radiation by the radiometer. Ronald Easley of the Research Lab-



MIRROR, MIRROR—Ronald Easley of the Army Missile Command's Research Laboratory sees his image reflected in the mirrorbright lens of the radiometer equipment. Harvard College Observatory will use the handcrafted instrument to pick up radiation from the planet Venus.

oratory will operate the radiometer on the plasma jet tests.

The radiometer was built by personnel of the Research Laboratory. Dr. Jack Copeland and Dr. Warren Tyler, formerly employed at the Command, and now research associates at Harvard, developed the original equipment.

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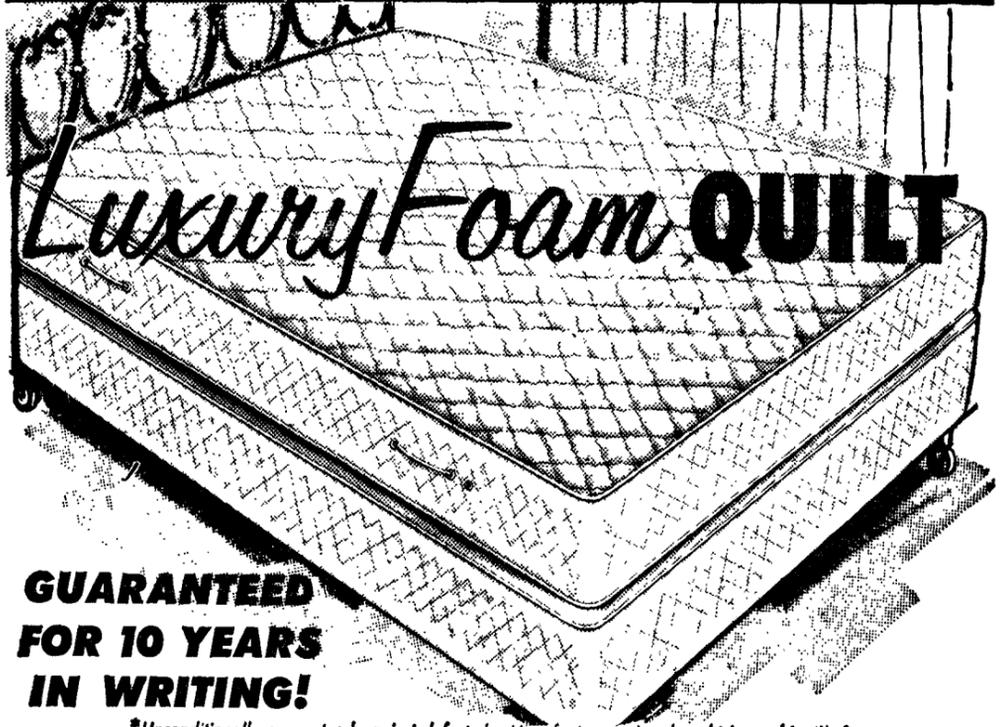
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ENLISTED MEN INVITED TO DANCE IN BIRMINGHAM

The staff at the Post Service Club has received an invitation for the Enlisted Men at Redstone Arsenal to attend a dance sponsored by the Birmingham Service Organization at the Birmingham YMCA Saturday night.

The Service Organization is composed of young ladies invited to attend the dances at the Service Club, usually twice a month.

The Service Club staff is encouraging the men here to drive to Birmingham for the Saturday night dance.

NUCLEAR POWER WILL BE STUDIED

Naval Reserve Officers will have an opportunity to study Space Technology and Nuclear Power this coming school year at the local Naval Reserve Training Center in Huntsville's Big Springs Park.

Classes begin Sept. 5. Registration for new students begins tonight. J. G. Goodwin, coordinator, has stated that it is important for officers who wish to take these courses register immediately. The course is open to Reserves in standby and ready status.

SOCIAL and CLUB EVENTS

FISHBACKS WIN AT PARTY BRIDGE

Winners at party bridge at the Squirrel Hill Officers Club last week were Col. and Mrs. Jesse Fishback.

Second high were Mrs. E. R. Billings and Maj. William Tarr.

The group meets every Monday night. Reservations to play are handled by Mrs. Eugene Krembs.

TOASTMASTERS MEETING

Redstone Toastmasters Club 1932 met on Tuesday, Aug. 7 at the Redstone Officers Club.

Speakers for the evening were: Russell Cooper, Steve Dobbs, Jerold Harness and visiting speakers from the Mason Dixon Club, Jack Kay.

Toastmaster of the evening, Bob Smith awarded the best speaker cup to Jack Kay.

At the Service Club

Are you tired of participating in the same summer activities? If you are, we have a variety of entertainment in store for you at the Service Club this week.

Starting tonight at 1800 hours you will be given the opportunity to learn the basic steps of the popular dances. Later at 2000 hours the Advanced Students will be shown the correct style for a smooth dancer.

In case any of you have stayed away from the classes because there were not enough girls, don't stay away any longer. There have been more girls attending Dance Classes.

Thursday night, Aug. 16, is a date to mark on your calendar. Buddy Bair and his Orchestra will play for the Circus Swing Dance, which will begin at 2000 hours. Buddy is well known since he has played at clubs, hotels, ballrooms, and military installations from coast to coast.

The Huntsville and Birmingham Hostesses will attend the dance. Why not come! I believe it will be an enjoyable evening that you will remember for a long time.

Attention all Shuffleboard Players!! A contest will be held on Friday, Aug. 17 at 2000 hours. Prizes will be awarded to the winners.

Delicious food will be served western style on the patio at 1830 hours, Saturday, Aug. 18.

Brenda will serve you Hot Coffee and Donuts on Sunday, Aug. 19, at 0930 hours.

Swirl-A-Way to your favorite records as Disc Jockeys, Pfc Jim Budd and Pfc Bob Cardillo spin your requests on Aug. 19 at 2000 hours.

If I am not mistaken, this will be the last Sunday night for Disc Jockey, Bob Cardillo. Bob has been spinning your favorite platters at the Sunday Night Dances for the past year. Stop by Sunday evening and bid Bob farewell.



BUDDY BAIR TO PLAY—One of America's truly great bands is scheduled to play at the Service Club on Aug. 16. Buddy Bair and his famous orchestra will take the band stand at 8 p.m. Buddy Bair and his orchestra is recognized everywhere for distinctive style. For several years this band played some of the nation's leading ballrooms, including Roseland Dance City, in New York, the Skyway of the Hotel Peabody in Memphis, and the Melody Mill Ballroom in Chicago.

I know all of you join the Service Club Staff in thanking Bob for a job well done.

An Evening of Games with Two Grand Prizes will be played on Monday, Aug. 20, at 2015 hours.

Tuesday, Aug. 21, at 1930 hours is the time that the Huntsville Junior Hostesses get together and suggest programs for the coming months. I would like to invite any girl who is interested in becoming a Junior Hostess to attend this meeting.

Tasty Snacks will be served to the girls when the meeting is over.

MISCELLANEOUS

There are two big activities left this month—a Watermelon Feast and "The Boy Friend," a musical

comedy. Read this column each week for the dates and times of these events and other Service Club activities.

See you at the Service Club.

—Betty

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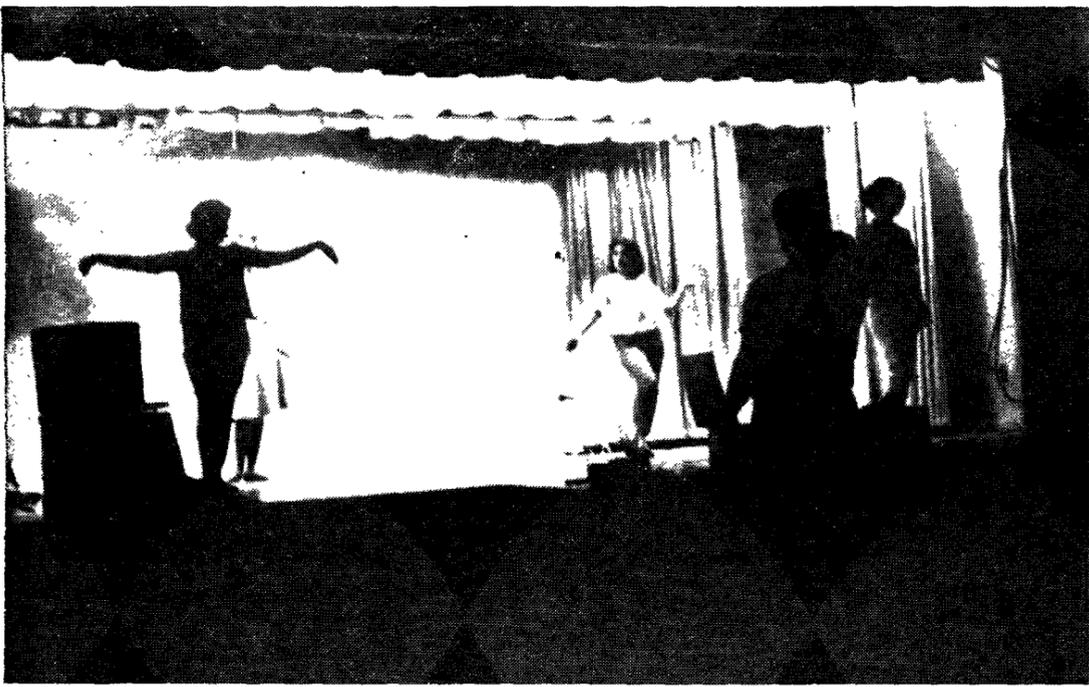
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PLAYING SOON—The exaggerated "Boy Friend" style is displayed in silhouette and light as the rehearsals progress at a rapid clip on the Service Club stage.

Entertainment

PVT. ART KALIN

Things are really beginning to jell at the "Boy Friend" rehearsals. I am sure that opening night will prove to be a memorable one. The cast is capturing the exaggerated style of the roaring twenties and flapper romances quite well. "The Boy Friend" is a satire of the "Twenties" and in a satire, the show is played much bigger than in life. This exaggeration of style gives the show a sparkle that delights the cast, as well as the audience.

The "Boyfriend" is a musical. It takes place in and around a finishing school "For Perfect Young Ladies" on the French Riviera. The story revolves around

three separate, yet closely knit, love stories, that of Tony and Polly, one between Bobby and Maisie; and the most hilarious one between the proper Percival Browne and Madame Dubonnet, spicy head-mistress of the school.

The show is literally jam-packed with lively tunes and energetic dances. Remember to keep these dates free on your calendar, Aug. 30, 31 and Sept. 1, and assure yourself a wonderful evenings entertainment. Curtain time will be 8:15 each night.

The appeal for talent for a Variety Show in early October has not borne much fruit. This is a chance for all you shower room baritones and ballroom dandies to get up on a stage and show what you can do. So, if you sing, dance, or have an act or routine

of any kind, please contact me at 876-4531 or stop by the Service Club in person. I would be more than glad to talk and work with you.

Well, that just about does it for this week. I promise to keep you posted on the progress of "The Boyfriend" and I hope you plan to attend the last week-end in August. Be sure to watch this column for more news of your Entertainment Section.

ENGINEERS TEST NEW COMPRESSORS

Compact, hermetic refrigerant compressors are currently being tested by Army Engineers for use in a family of compact air conditioners.

The compressors have outputs ranging from 7,200 to 74,000 BTU/hour, and were developed by four different firms under contract with the U. S. Army Engineer Research and Development Laboratories, Fort Belvoir, Va.

The units were made by the Great Lakes Manufacturing Corporation, Cleveland, O.; Worthington Corporation, Harrison, N. J.; Bendix-Westinghouse Automotive Air Brake Co., Evansville, Ind., and the Task Corporation, Anaheim, Calif. The compressors were specially developed under U. S. Army Engineer Research and Development Laboratories' specifications.

The compact family of air conditioners, for which the compressors have been designed, are for general purpose use including missile checkout systems.

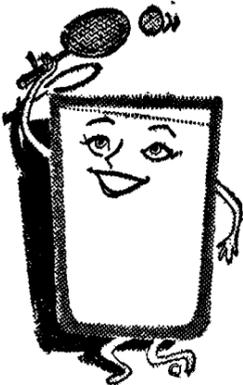
The Civil Service Commission is composed of three members, not more than two of whom may be members of the same political party.



MERMAID—Instead of the deep blue sea, this week's pretty Rocket pinup Miss Bernice Latham dives into the lakes and rivers in the Tennessee Valley with her skindiver accessories to aid her explorations. A stenographer in the Field Service Directorate, Miss Latham is planning college in the fall. She is from Scottsboro and bubbling with curiosity about the wonders at the bottom of the lake and in the stars. (Photo by Jimmie Taylor)

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Awards and Decorations

The following officers and enlisted men have received Army Commendation Medals:

Col. (now Brig. Gen.) George E. Pickett; Col. John Palsrok, Lt. Col. Lewis P. Sims, Lt. Col. Denis Grace.

M/Sgt. George S. Linkins, Maj. John D. Hamilton, and Col. Paul B. Schuppener.

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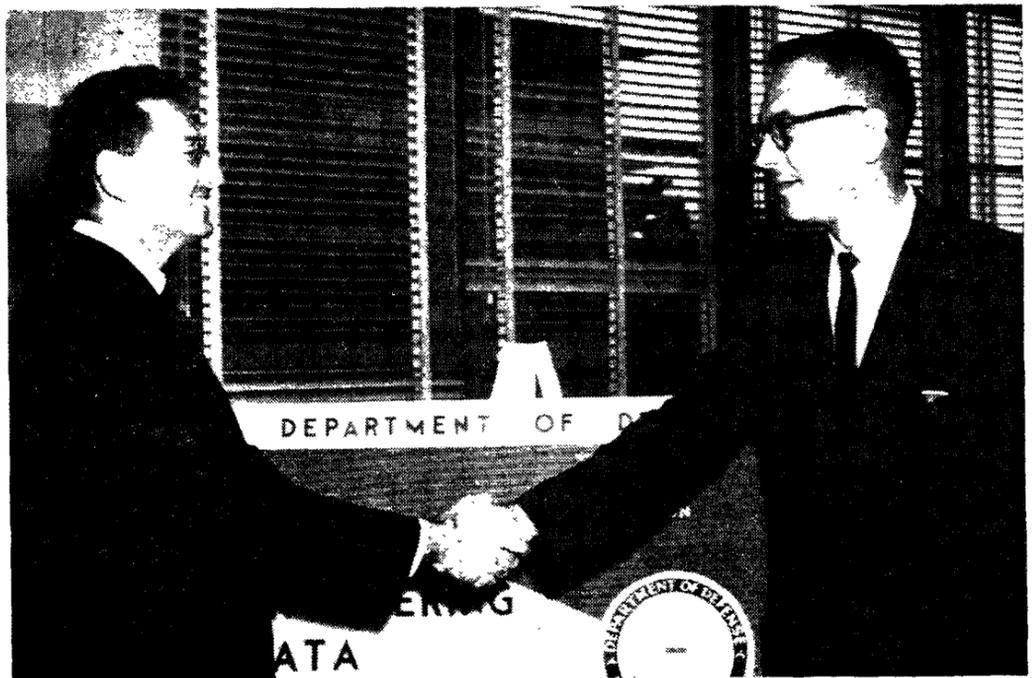
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SUNDAY—Masses 0700-0800, 1230-1700 Hours
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DAILY MASS—0800 Hour
MONDAY — 1900 Hours
Adult instruction class.
TUESDAY—1930 Hours
Perpetual Help Novena.
2000, 2100 Hours
Choir Practice.
SATURDAY—1000-1100, 1800-1930 Hours.
Confession



WELCOME ABOARD—Horace Lowers (right), Army Missile Command Chief Engineer, welcomes James W. Grodsky, Office of the Secretary of Defense, to the Department of Defense Fourth Engineering Data Systems Meeting held at Redstone Arsenal. The DOD and International Standardization Office, Procurement and Production Directorate, which has DOD management responsibilities for the engineering data program, sponsored the meeting. Lowers gave the keynote address before representatives of the Army, Navy, Air Force and the DOD. During the business sessions, Aug. 7-9, the group agreed to form a working committee to develop a single system for the management, storage and retrieval of millions of pieces of engineering data. The system will be used by all of the armed services.

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Sunday School
1100 Hours

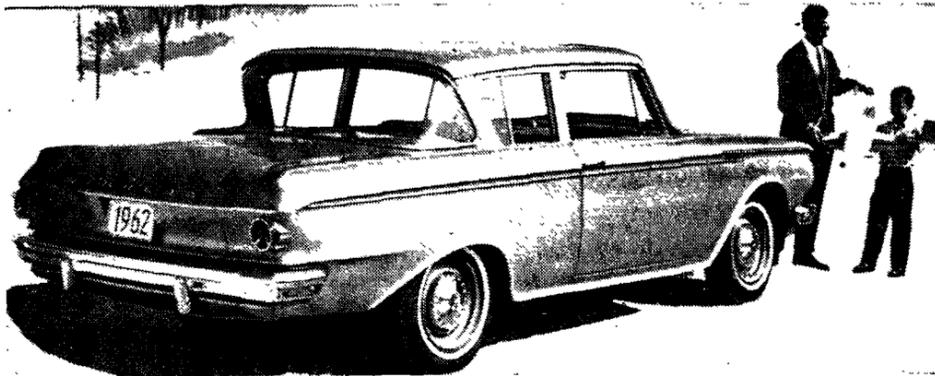
Morning Worship
1800 Hours
Youth Fellowship for all young people, age 9 (or grade 4) and up
1900 Hours
Evening Worship.
(Nursery is open for morning and evening worship services.)

The Library of Congress, Washington, D. C., is one of the largest structures of its type in the world. The main building was constructed at a cost of \$7 million. The Library and its annex occupy 13 acres of ground and contain more than 36 acres of floor space.

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New Deluxe Regular Size RAMBLER

Delivered for
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Includes heater, defroster, foam front seat, self adjusting brakes, oil filter, life-time guarantee muffler and tail pipe plus many other features Rambler has to offer.

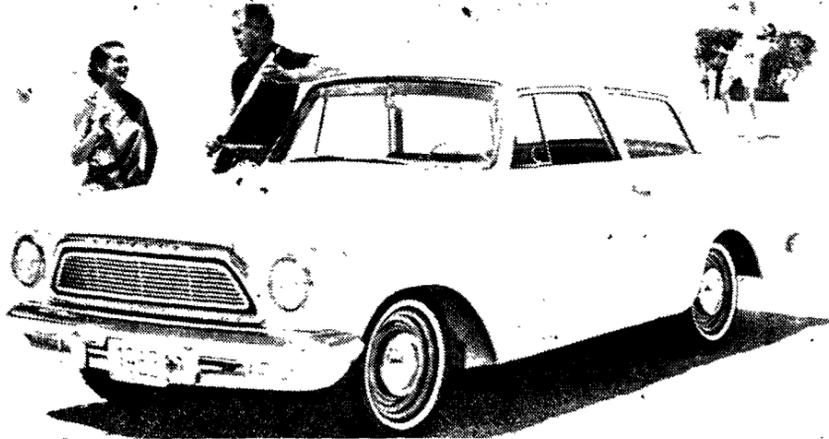
New '62 RAMBLER AMERICAN 2-Dr.

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529 Meridian St., North (Auto Row)
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Rocking Rockets Plan New Dance Classes Soon

Square Dance Forms Reflect Many Folk Dances Across World

The Rocking Rockets Square Dance Group will start new classes Sept. 11 at 8 p.m. at the Squirrel Hill Officers Club.

Square dancing with its mixed ancestry requires stamina to follow the patterns of the caller. Since World War II, its popularity has increased. New variations of

slavic dances, Scandinavian, English, Spanish, the Southwestern U. S. brand of Mexican dances can be found in the intricate patterns which the dancers follow as a group and in multiple couples.

Square dancers from the club participate in this dance form all over the country, following a circuit almost as wide as that of golfers and tennis players.

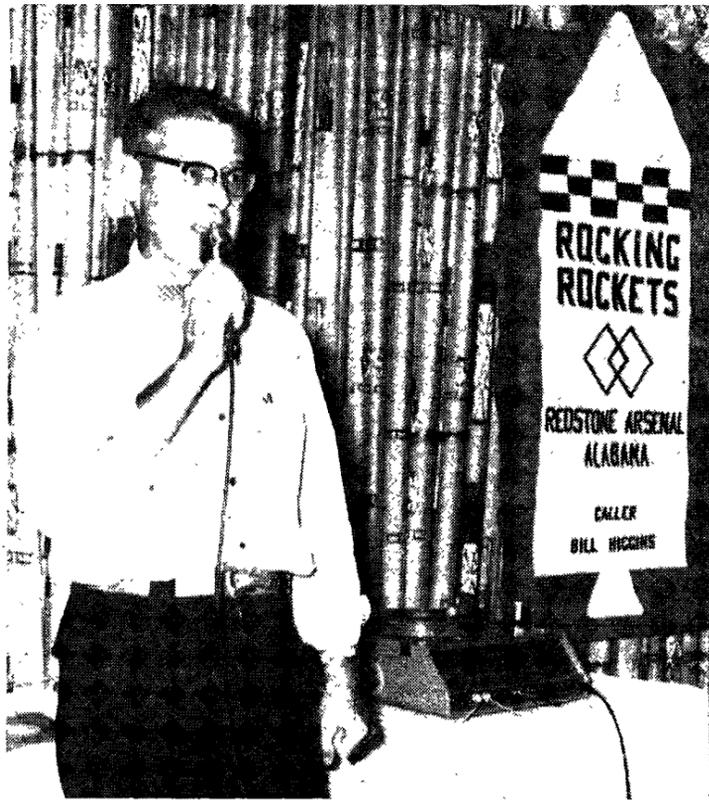
Callers and dancers alike are in-



ENTHUSIASTS—Lt. and Mrs. Charles Tatham perform a turn with the Rocking Rockets Square Dance Club at the Squirrel Hill Officers Club. The Tathams are "sold" on this form of entertainment—say: "It's not for squares." (Photo by Charles Griffin)



WHIRLING—Capt. J. E. Grove and Mrs. J. E. Milne (left) whirl through a square dance figure with the Rocking Rockets Square dance club. The Group meets at the Squirrel Hill Officers Club on Saturday night. (Photo by Charles Griffin).



CALLER—Maj. W. F. Higgins, caller for the Rocking Rockets Square Dance Club, has made a study of the variations on themes which have been incorporated into the square dance. This entertainment form carries traces of folk dancing from all over Europe and in the United States. (Photo by Charles Griffin)

venting new variations of old themes to lend color and liveliness to one of the world's oldest forms of entertainment.

Several clubs in Huntsville are regular meeting places for square

dance groups which include some of the leading scientists and engineers on post. Square dancing is

a regular weekly feature at the post service club.

Movie Schedule

WEDNESDAY, August 15
 "Battleground" (F)
THURSDAY-FRIDAY, August 16-17
 "State Fair" (F)
SATURDAY, August 18
 "Whistle Down the Wind" (F)
SUNDAY MONDAY, August 19-20
 "Rome Adventure" (M-YF)
TUESDAY, August 21
 "Here's Island" (F)
 Two shows nightly at 6 and 8:30 p.m., Saturday matinee at 1 p.m., and Sunday matinee at 2 p.m.

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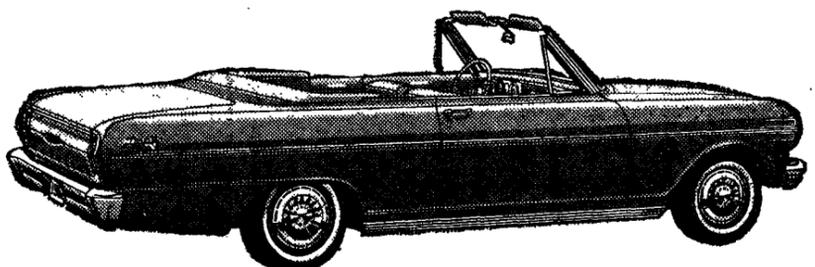
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\$1 Million Boost Given Area Businesses in July

The Army Missile Command at Redstone Arsenal spent almost one million dollars in Alabama, Tennessee and Georgia during July through contracts and purchases covering many types of merchandise and services to support the Army's missile and rocket program.

This amount of money represents that spent for all material used at the Missile Command, and is in addition to the single contracts for one million dollars or more awarded throughout the U.S. for research and development and procurement of missiles and rockets.

Alabama received the largest share, \$820,940, and Huntsville firms were at the top of the list in the state with \$772,818 in 262 orders for items varying from \$2.62

worth of electrical supplies to \$63,780 for rental on computer and data processing equipment. The latter contract also covers service on these machines for one year. Fourteen of the contracts placed with Huntsville businesses were for more than \$10,000 each.

Other Huntsville purchases included automotive, building and office supplies.

More than 160 awards amounting to \$79,822 went to Birmingham companies for similar items of supply.

Business concerns in Bessemer, Decatur, Athens and the University of Alabama received a total of \$18,300. The order to the University covers tuition to assist Missile Command personnel taking graduate courses essential to their jobs.

Tennessee and Georgia firms received 32 awards totalling \$109,927 to purchase several types of supplies and electrical service for Redstone Arsenal.

Civil Defense Will Begin Training Reserve Police

The Civil Defense Corps will begin classes for a reserve police unit on Sept. 10 at 7 p.m. according to an announcement by Ranson E. Crawford, Director Coordinator.

The classes will be held in the building behind the Optimist Ball Park on Andrew Jackson Way and Oakwood Ave.

Scheduled classes are in public relations, firearms, jurisdiction, arrest, search and seizure, first aid, traffic, riot, road blocks, and chemical biological radiological warfare.

Registration will be until Sept. 7 according to Crawford and will be limited. Information can be obtained from the CD at 536-5421.

The Purchasing and Contracting Division of the Army Missile Support Command, an element of the missile command, and the local Purchases and Formal Advertising Offices of the Missile Command Procurement and Production Directorate are responsible for all administration of the awards made here.

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Total Price \$690.00

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4 dr., V8, fully equipped.

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1955 FORD

4 dr., V8, with std. shift. \$295.00

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4 dr. sedan, fully equipped.

\$495.00 or no money down and

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2 dr. hardtop, radio, heater,

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Station Wagon, Country Sedan, V8, auto., radio, and

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Price \$1090.00

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1954 CHEVY

2 dr. sedan, radio, heater and

standard shift. \$295.00 or no

money down and \$17.42 mo.

1953 FORD

2 dr., radio, heater, S. S. \$295.00

or no money down and \$17.42

mo.

1948 WILLYS JEEP

Station Wagon. Been thoroughly

reconditioned throughout.

\$295.00 or no money down and

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1957 DeSOTO FIREFLITE

2 dr. hardtop V8, with all

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Post Library

Cooking for fun has become an increasingly popular pastime in recent years. Many of these practical and interesting volumes on cookery have been added to the Post Library. Good but plain food which we all know and like is featured in such basic cook books as the comprehensive "Ladies' Home Journal Cook Book." Advice to wives on what to feed their

husbands and on the kinds of activities which will promote good health is given by Dr. Kenneth Hutchin in his new book, How Not to Kill Your Husband.
Carrington Edward Boykin, "Beefsteak Raid."
Pearl Sydenstricker Buck, "A Bridge for Passing."
Dorothy Burton, "A New Treasury of Names for the Baby."
Bruce Campbell, "Bird Watching for Beginners."
Anton Pavlovich Chekhov, "Selected Letters."
Betty Crocker, "Dinner for Two; Cook Book."
Adelle Davis, "Let's Cook it

Right."
Hendrik De Leeuw, "Woman, the Dominant Sex."
Seymour Eskow, "Barron's Guide to the Two-Year Colleges."
Robert Frost, "In the Clearing."
Margaret Green, "The Big Book of Animal Stories."
Ernest Gordon, "Through the Valley of the Kwai."
George Grotz, "The Furniture Doctor."
Duncan Hines, "Adventure in Good Eating."
Garden & House, "Complete Guide to Interior Decoration."
Margaret Kennedy, "The Forgotten Smile."
Alan King, "Anybody Who Owns His Own Home Deserves It."
D. J. Klemmer, "Modern Love Poems."
Joseph Marshall Krechniak, "Stereo Hi-Fi Handbook."
Christensen Lillian Langseth, "The No Cooking Cookbook."
Jacob Kay Lasser, "Managing Your Money."
Joseph Nettis, "A Spanish Summer."
Robert Varnell Ozment, ". . . But God Can."
Gardening Popular, "Popular Gardening Ideas."
Dagobert David Runes, "A Dictionary of Thought."
Herman Schneider, "Your Telephone and How it Works."
Adolphe Clarence Scott, "The Flower and Willow World; the Story of the Geisha."
Irving Settel, "A Pictorial History of Radio."
Alson Jesse Smith, "A View of the Spree."
Casey Stengel, "Casey at the Bat."
Maurice Jacques Valency, "In Praise of Love."

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Page 14 The Redstone Rocket — August 15, 1962

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FOR SALE — Lake Lot — 170' waterfront lot. Water, electricity, telephone available. Call 881-0828 after 5 p.m. 1tc

FOR SALE — 1 bedroom house trailer '56 model, 32x8, recently painted, extras include large air conditioner, full size aluminum awning, oil tank and stand, gas bottles, 4 tires. Might consider '56 to '58 model car on trade. \$1650.00. Phone 534-5528. 1tc

STOLEN — Last February, large brindle hound, gray around mouth. Answers to "Dago." \$25.00 reward leading to recovery. Chester Hull, daytime phone 876-3433, nights and weekends, Athens, 232-2948. 1tp

BARGAIN SHOE STORE — New shipment of fall shoes and bags. Just arrived. Latest styles in heels and flats, girls twister loafers for back-to-school. Several styles of girls' boots. Come see! Located at Standard Service Sta., Joppa, Ala. 4 miles west of Arab, Ala., Hwy. 69. Open Sundays. 8-22p

FOR SALE — Tennessee River furnished cottage on Finley Island. Five miles from Decatur on black top road. Beautiful lot, deep well. Paneled interior, fire place, electric heaters. Guaranteed resale to 3-M at market price in 1970. Price now \$8,600. Mrs. W. D. Gilchrist, 646 Sherman St., Decatur, Ala. Phone EL 5-0405 or EL 3-2985. 1tc

FOR SALE — 5-bedroom brick home on one acre lot located at Arab, Ala., between elementary and high schools, within two blocks of each. 3800 sq. ft. living area with double garage. First floor, 2050 sq. ft., two baths, three bedrooms, living room, den, all-modern kitchen. Basement, 1750 sq. ft., big recreational room, two bedrooms, bath. Outbuildings, fenced-in lot, cement cellar. For quick sale, priced at \$26,500. Call CLYDE HART, 586-4341. Arab, Ala. 8-21c

1959 MG—Black with white tires. Local car. Extra nice. \$1295.00 at Texas Auto Sales, phone 536-6121. 1tc

FOR SALE — Baby bed, Kantwet Mattress, 2 fitted waterproof mattress covers, 3 crib sheets. \$29.00. Phone 536-7005. 1tp

WANTED TO BUY clean used cars. "We can use yours." Call us. Robinson Auto Sales. 810 Madison St. Phone 539-8551. tfc

HEADQUARTERS for Foreign Cars, Convertible Tops and Complete interior upholstery at The Auto Center, 2208 Clinton Ave., W., Huntsville, Ala. Phone 539-0382. tfc

FOR RENT — 2 bedroom home, ½ acre land in Lacey's Spring, near Arsenal, \$55.00 monthly or will sell for \$300.00 down. Roger Williams Co., phone 534-7612. tfe

FOR SALE — Homes and lake property. See Word Real Estate, Guntersville, Ala. Phone 582-4197. 8-24p

FOR WATER WELL DRILLED— Pump Sales & Service with up to 36 months to pay at bank rates. Call Crunk Drilling Co. Phone 536-2027. tfc

FOR RENT — 1 apt. on Pansy St. H'ville and 1 house 7½ miles west on Highway 72. Call Mrs. John Crumk, 536-2027. 8-31c

FOR SALE — Registered German Shepherd puppies and older dogs. Rin-Tin-Tin and Bullet blood line. 4 female pups, \$35 each. Call Decatur, Ala., EL 3-2176 after 5:30 p.m. 8-8 4tc

ATTENTION HOUSEHOLDERS — Quality furniture upholstery. free estimates. Pick up & Delivery from the Auto Center. 2208 Clinton Ave., phone 539-0382. tfc

OLD COINS — I buy old coins— old gold coins; Indian head pennies, complete sets; Canadian coins. Darrell Sanders, Grand News Stand, Clinton Ave., downtown Huntsville. tfc

BAND INSTRUMENTS — Rental Returns. Clarinets, Cornets, Trumpets, Trombones, Saxophones, Flutes, etc. Prices range from \$29 to \$79 or higher. All instruments guaranteed. Cash or Terms. Phone 536-9933, 9 a.m. to 9 p.m. tfc

See ACTION for fast job placement of any type for men and women. ACTION EMPLOYMENT AGENCY, 201 Uptown Bldg. Phone 534-6233. tfc

ABS SECRETARIAL SERVICE. 408 Clinton Avenue, W., Huntsville, Ala. Phone 534-6451 CALL US FOR: Photocopying, mimeographing, transcribing (Dictaphone), telephone answering. Employment applications prepared (Government and other). Notary Public. (Our office or yours). tfc

ON THE LAKE, LESS THAN 20 MILES FROM ARSENAL GATE — Boat storage for rent. Rooms with bath for rent. Contact W&W Land Co., 106 N. Lincoln, Phone 534-1451 or 636-3113. tfc

FOR SALE — 20 acres overlooking Guntersville Lake, large barn, small 5-room house, all conveniences. \$4,500.00 with 50% down. T. M. Dorman, 876-3297 or 586-4247, Arab, Ala.

1961 KARMONN GHIA — 21,000 miles, all extras, \$1995. Universal Motors Used Car Dept. 539-7456. 1tc

1961 TR3 — Canary yellow, excellent condition. Must see to appreciate at Texas Auto Sales, phone 536-6121. 1tc

WANTED TO BUY — 10 to 100 acres with running water, with or without buildings. North or northeast of Huntsville. Phone 772-6239 after five. 1tp

NEW, SENSATIONAL — Combination Milling Machine, jig borer, lathe drill press. Guaranteed tool room accuracy at a low price, ideal for laboratory or work shop, phone 539-2022. tfc

ROOMS FOR RENT — Single and double for men with good habits, completely and newly decorated, economically priced. Central Y. M. C. A. Dial 534-6452. tfc

CASH! FOR YOUR CAR — we need all makes and models. We will pay you more. We buy and sell imports, too. Texas Auto Sales, phone 536-6121. tfc

BUSINESS OPPORTUNITY — Lease department in large department store expanding to 3 stores in 1963. Home specialty products need partner with minimum \$10,000.00. All replies confidential. Write P. O. Box 1522, Huntsville, Alabama. 1tc

FOR SALE — 2 wheel horse garden tractors with mowers. 32" cut, at dealer's cost. Hardesty Lawnmower Service, 406 Oakwood Ave., phone 536-8161. 8-25c

LEARN TO PLAY BRIDGE — Register now for private day and night classes. Enrollment limited. Classes start week of September 10th. For further information call 881-3615. 9-5c

1959 FORD — Galaxie, 2-dr. H. T. Automatic, power steering, white with red interior. Really sharp. Call Bo Watwood at Universal Motors Used Car Dept., 539-7456. 1tc

1955 PLYMOUTH — 2 door, \$95.00 at Universal Mtrs. Used Car Dept. Phone 539-7456. 1tc

1955 FORD — 2 door, V8, new tires, overdrive. A slick one, \$395.00. Call Universal Motors Used Car Dept., 539-7456. 1tc

1959 NASH — Metropolitan, 17,000 actual miles, 30 mpg, a real clean car. Call Universal Motors Used Car Dept., 539-7456. 1tc

1955 CHEVY — Bel-Air, 4 door 8, automatic, good tires. This week only, \$325.00. Call Universal Motors Used Car Dept., 539-7456. 1tc

1960 TR3 — White. A real baby doll. \$1195.00 at Texas Auto Sales, phone 536-6121. 1tc

1962 VW — Sedan with sunroof, black, equipt. Our special this week, \$1490.00. Call John Payne, Universal Motors Used Car Dept. 539-7456. 1tc

1960 V.W. Station Wagon, rebuilt motor. Extra clean, good tires, must be seen to be appreciated. Call John Payne, Universal Motors Used Car Dept., 539-7456. 1tc

VOLKSWAGEN Pickup trucks — Used '59 - '62's. Must be sold this weekend. See at Universal Motors, your V.W. Dealer Used Car Dept., 2305 North Memorial Parkway, or call 539-7456.

The King of England and the King and Queen of Spain are among those who have made submerged cruises in submarines. As a result of a trip in an early U.S. submarine, President "Teddy" Roosevelt ordered extra compensation for those serving in the "Silent Service." President Harry Truman made a 440 foot dive in a captured German submarine and the first president to cruise aboard an atomic submarine was President Eisenhower who rode the Seawolf out of Newport, R.I. on Sept. 26, 1957.

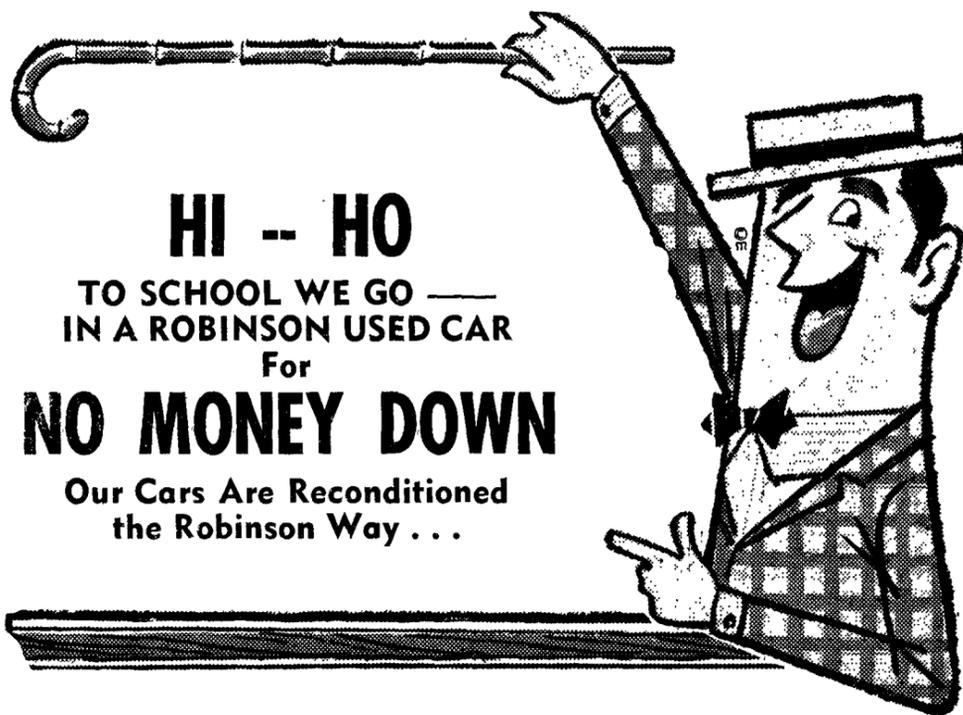
VOICE INSTRUCTOR — Mme. Hedy Fiory, European opera singer, phone 534-3466. tfc

1957 CHEVY — 4-dr. Station Wagon. Auto. trans., V8, heater. call JOHN PAYNE, Universal Motors Used Car Dept., 539-7456. 1tc

1961 AUTO. UNION DEMO. — 3,000 miles, economy plus, \$1245.00. Call BO WATWOOD, Universal Motors Used Car Dept., 539-7456. 1tc

1961 V.W. DELUXE Station Wagon — Fun for the entire family, nice and clean. Call JOHN PAYNE, Universal Motors Used Car Dept., 539-7456. 1tc

1960 MG — This one is sharp. A local car, clean as a pin. Beautiful red, new tires, radio and heater. Drives like a new one. See and you will buy. \$1795.00 at Texas Auto Sales, phone 536-6121. 1tc



1957 FORD CUSTOM 300 4 door, V8, radio and heater, local car. \$695.00

1957 DODGE 4 dr. Coronet V8, auto. Solid white local car. \$695.00

1956 MERCURY 2 dr. Hardtop, V8, auto., radio, heater. \$495.00

1957 CHEVY V8, stick shift, radio, heater. \$745.00

1949 CADILLAC 2 dr. '62. Real transportation. Nearly new tires. \$295.00

1955 FORD 4 dr., V8, auto., radio, heater, new engine. \$395.00

1957 FORD Fairlane "500" 2 dr., V8, stick shift, clean. \$795.00

1955 CHEVROLET 4 door, 6 cyl., auto. Clean. \$575.00

'59 VOLKSWAGEN Station wagon, excellent condition. A real bargain at... \$1095.00

1959 CHEVROLET Convertible, solid white, V8, powerglide, radio and heater, new trans., priced to sell. \$1445.00

1961 RAMBLER 4 dr., American Custom, radio, heater, overhead valve engine, 17,000 miles. Real nice car. Special! \$1395.00

1957 CHEVROLET Bel Air, 4 door, V8, auto., radio, heater, new engine. \$875.00

1957 CHEVROLET 4 dr. Station Wagon. Clean Southern car. V8, auto., radio, heater. \$895.00

1958 PLYMOUTH 2 door, Belvedere, hardtop, radio, heater, auto. \$895.00

1958 PLYMOUTH Wagon, 6 cyl., auto., radio, heater, 4 door. \$895.00

1956 CHEVROLET Bel Air, 4 door, V8, auto., radio, heater. \$695.00

S.H.

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Books in Review

(AFPS Weekly Feature)

BLACK JACK PERSHING by Richard O'Connor (Doubleday, 431 pp., \$4.95).

In his day, Gen. Pershing was the very model of a modern major general. A spit-n-polish disciplinarian who went "by the book," a man who accepted responsibility and executed assignments without demur or complaint even in his personal diary, impartial, demanding, driving, emotionless — the picture retained by most people is one of a military machine, a Great Stone Face.

This well-written book changes the stereotype. Readers will be surprised to find that Pershing had an engaging dimpled smile, loved dancing and was popular with the ladies. O'Connor has made the man human, without detracting from his achievements, of which the famed British historian Liddell Hart wrote: "There was perhaps no other man who would, or could, have built the American Army on the scale he planned. And without that army the war could hardly have been saved and could not have been won."

Pershing had more interests than is generally recognized. He had a talent for establishing friendships with civilians and earning their respect. The war correspondent Frederick Palmer was struck by the "vast extent of his reading beyond a strictly professional range."

He learned to speak Apache and knew the sign language of the Plains Indians. He spoke Moro dialects, read Arabic and studied the Koran. He was so successful in social intercourse with the Moros that when he departed from the Philippines he was made a sultan. While Professor of Military Science and Tactics at the University of Nebraska, he taught mathematics and earned a law degree on the side. And he once declined to be considered for a Medal of Honor which he did not think he had earned.

As the author notes "... perhaps his greatest service as commander in chief was his unyielding insistence that our divisions fight under their own flag and command." To achieve this objective, he had to fight practically the entire civilian and military leadership of France and Great Britain, who wanted to feed American troops into their units as piecemeal replacements.

No military genius, "if he did not achieve the romantic designation of great captain, he was one of a larger but no less worthy company. He was a good soldier in every hour of his life. . . . No one in American military history deviated less from what was expected of an officer. He was strictly Government Issue."

A very fine biography. Photographs.

Readers interested in supplementary material will be interested in viewing the Army's "The Big Picture" or the Office of Armed Forces Information and Education Screen Magazine (SM 579) on Pershing.

A HISTORY OF JAPAN 1334-1615 by George Sansom (Stanford University Press, 442 pp., \$8.25).

This second volume in a trilogy will stand for a long time as the authoritative standard history of Japan from its beginnings to 1854. The book is almost a military history, for the 280 years it records was a period in which almost incessant internecine warfare culminated in the formation of Japan as a nation with the victories of the Tokugawa.

As Sansom comments in his preface, "the two centuries and more of Ashikaga rule (from 1336 to 1573) are the liveliest, the most varied and interesting period in Japanese history, whether military, political, or social."

To set the scene for the depiction of the rise of a new feudal society and the resulting changes in the political and economic picture, Sansom begins with a recapitulation of the dispute over the succession to the throne which lasted from 1272 until almost 1400.

The dominance of the great feudal families declined. Military

leaders, damyo, with roots and backing in the growing village society, came to the fore, their power sustained by the new firearms brought by the foreigners and armies of citizen soldiers instead of professional samurai. Hill-top castles dominated the countryside and towns grew up around them.

Trade increased and the prestige of the merchant class grew. Official missions to China were accompanied by trade ships of the great Zen temples and of merchants. To build up trade, Japan paid tribute to China and tried to control piracy. Chinese coins, the gift of the Ming emperors, became standard currency. When relationships with the Mings were broken, foreign traders filled the gap.

Toll stations were abolished. Craft guilds were dissolved. Land surveys to establish a tax base were conducted.

Jesus came and gained influence, until Hideyoshi ordered their withdrawal.

Nobunaga broke Buddhist political power. Art flourished the No

drama appeared; the famous Golden Pavilion and gardens of the Kyoto temples were built.

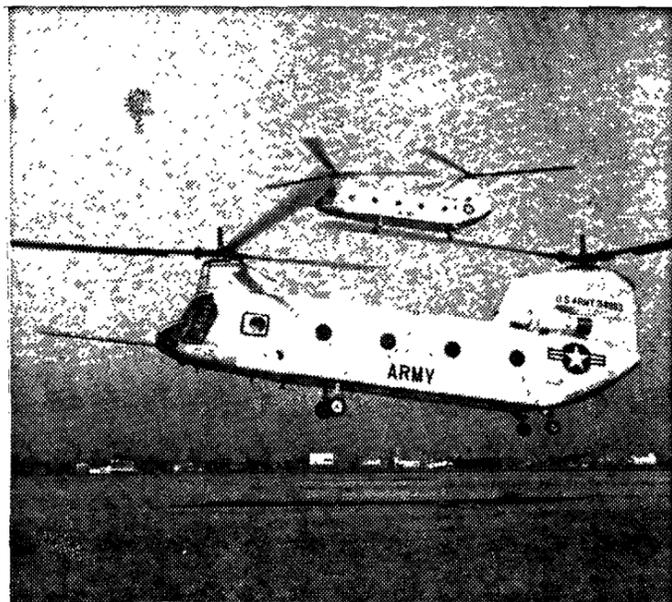
There were great military leaders — Kusunoki, symbol of valor and virtue; Hideyoshi, who planned to conquer China.

These were stirring decades full of events which changed the nature of Japan, and the clarity of Sansom's writing, coupled with his intensive experience of Japan, bring them alive. The analyses of Hideyoshi and Tokugawa Ieyasu, who established the base for peace under Tokugawa sovereignty for the next two and a half centuries, are particularly interesting.

A fine book, marred only by inadequate maps.

PERUVIAN VISIT

Members of the Peruvian Army Command and General Staff College recently visited the U. S. Army Infantry School at Fort Benning, Ga. The 10 faculty members and 60 students spent four days witnessing demonstrations, and receiving briefings and orientations by departments in The Infantry School.



HC-1B CHINOOK HELICOPTER undergoes tests at Philadelphia International Airport. A twin turbo-shaft engine, multi-passenger helicopter, the CHINOOK is capable of carrying cargo loads internally up to three tons and externally over six tons for short distances. Designed to carry components of the Army's PERSHING missile, it was developed for Army by the Vertol Division of Boeing Airplane Co., Morton, Pa.

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