

The Redstone Rocket

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REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

DECEMBER 3, 1958

Nike Hercules Downs Fastest Target Missile

The U. S. Army's Nike Hercules defense guided missile (Nov. 19) successfully engaged and destroyed the super-XQ-5 target missile traveling faster than 1,500 miles per hour and at an altitude greater than 60,000 feet, the Department of the Army announced Monday.

As far as is known, it marks the first time any air defense missile has destroyed a target moving at this speed and range.

Although Hercules is capable of destroying targets at ranges of more than 75 miles, the range of the successful shoot conducted at White Sands Missile Range, New Mexico, cannot be disclosed for security reasons.

Nike Hercules has been deployed at metropolitan areas in the United States since June, 1958.

The XQ-5, fastest flying target currently available for tests, was designed by Lockheed and is powered by a ram-jet engine capable of flying at several times the speed of sound.

The Hercules was developed under direction of the Army Rocket and Guided Missile Agency, an element of the Army Ordnance Missile Command.

Group From Post Will Present Symposium at Chemical Society Meet

A symposium on rockets and guided missiles will be presented by a group of scientists and engineers from the Army Ordnance Missile Command at the annual Southeastern Regional Meeting of the American Chemical Society. (See GROUP FROM on Page 1)



DR. RALPH SWANN
To Head Symposium



UGF CHECK PRESENTED — A check for \$142,614.16 from the Redstone Arsenal United Givers Fund was presented last week to the Huntsville-Madison County UGF at a Campaign Awards Dinner held at the Huntsville Country Club by the Huntsville-Madison UGF Committee. In photo above, Brig. Gen. J. G. Shinkle (left), Commander of the Army Rocket and Guided Missile Agency, hands the check to D. C. Boone, Huntsville-Madison County UGF Chairman. In the ceremony, Gen. Shinkle represented Maj. Gen. J. B. Medaris, Commanding General of the Army Ordnance Missile Command. Gen. Medaris served as Chairman of the Redstone UGF Campaign. A total of \$154,962.16 was collected in this year's Redstone Arsenal campaign—approximately twice the amount of the 1957 drive. Of all pledges made, 99.1 per cent were collected. Besides Madison County, other counties surrounding the Arsenal will receive shares of the Redstone UGF total, based on contributions of personnel residing in those counties and employed on post. Following are shares by counties: Morgan, \$3,406.29; Marshall, \$1,066.49; Limestone, \$658.20; Jackson \$181. The post's Joint Activities Council will also receive \$7,031.02, which represents one-half the amount contributed to the UGF by military personnel.

BLOODMOBILE VISIT TO POST SLATED DEC. 11

Maj. Jesse A. Garner, Bloodmobile Chairman for Redstone Arsenal, has announced that the schedule for the next Bloodmobile visit will be Thursday, Dec. 11.

The place of operation will be at the Post Gymnasium, Bl. 5663 from 0830 to 1430 hours.

Five hundred ninety-three pint were secured Oct. 7. Early reports from recruiters indicate that the forthcoming operation will surpass the previous Bloodmobile visit, Maj. Garner said.

Mrs. J. N. Jean will be in charge of the post volunteers. Gray Ladies, nurses aides, an volunteer nurses. She will be assisted by Mrs. D. E. Foxworthy, who will be in charge of the civilian workers from the Madison County Chapter of the American Red Cross.

This will be the last bloodmobile visit prior to the Christmas holidays. "You never know when an accident will occur and you will need blood, so come to the" (See BLOODMOBILE on Page 2)

ABMA Project Office Of N. Y. Ordnance District Year Old

NEW YORK — The Army Ballistic Missile Agency Project Office of the New York Ordnance District will observe the first anniversary of its establishment tomorrow (4 Dec).

During the first year of operation, the Project Office supervised ABMA procurements in excess of \$55,000,000 with prime contractors in the New York area.

Maj. Gen. J. B. Medaris requested establishment of the Office while he was the ABMA commander. He is now Commanding General, Army Ordnance Missile Command, and Brig. Gen. J. A. Barclay commands ABMA.

Much of the Office work involves the programs contracted for with Ford Instrument Company. (See ABMA on Page 2)

4 OFFICERS HERE

First Chinese Students Begin OGMS Training

The first Republic of China students registered at the Ordnance Guided Missile School Monday to begin training in the maintenance and use of the Nike-Adjax and Nike-Hercules anti-aircraft guided missiles, it is announced by Col. H. S. Newhall, OGMS Commandant.

The group consists of four officers of the Chinese Army who flew from Taipei, the capital city of Free China on the island of Formosa.

The senior officer is Capt. Tsung-yu Yang, 32. The others are First Lts. Yung-chang Shang, 26, Shou-hsia Yang, 27, and Tsch'uan Wang, 25.

All speak fluent English and will be assigned to classes along with U. S. students. They will live in bachelor officers' quarters at Redstone Arsenal.

The Chinese are the twelfth allied nation to send students to the missile school here.

The roster includes men from Belgium, Canada, Denmark, France, West Germany, Greece, Great Britain, Italy, Netherlands, Norway, and Turkey.



LT. COL. BRUCE PIERCE

* * *

BOY SCOUTS FROM 9 COUNTIES TO VISIT ABMA

Scouts of the nine-county Tennessee Valley Council who earned special recognition during the Council's Fall "Space Round-up" will visit the Army Ballistic Missile Agency Saturday morning, Dec. 6.

About 600 boys and Scout leaders are expected to tour the Fabrication Laboratory of ABMA, where the huge Jupiter missile is assembled, and then see a missile static-fired on the guided missile test stand, a 14-story tower of steel and reinforced concrete. The Scouts will also witness the erection of a missile into the firing position with ground handling equipment developed for field mobility by the Systems Support and Equipment Laboratory, ABMA.

The visitors will assemble in Rocket Auditorium at 8:30 a.m. They will be welcomed by Brig. Gen. Joseph M. Colby, Deputy Commanding General of the Army Ordnance Missile Command. Each boy who has recruited (See BOY SCOUTS on Page 2)

Col. Pierce Is Deputy Chief of ARGMA's R & D

Lt. Col. Bruce Pierce has been named Deputy Chief of the Research and Development Division of the Army Rocket and Guided Missile Agency, it was announced by the Division Chief, Col. Matthew Collins.

Col. Pierce replaces Dr. Marein Schilling, who resigned this position recently to accept a position with private industry.

Col. Pierce is a graduate of Woodlake Union High School, Woodlake, Calif. His A. B. and E. M. degrees were earned at Stanford University. He has done graduate work at Cornell University toward acquiring a degree in mechanical engineering.

Col. Pierce, a member of the Regular Army, became a member of the Armed Forces in 1940. He is a Stanford University R. O. T. C. graduate.

Military service has taken Col. (See COL. PIERCE on Page 2)

IN CHARITY EVENT

Vikings, Continentals Play to Tie In Thanksgiving Day Soccer Game

The Vikings and Continentals fought to a 1 to 1 tie in a soccer game Thanksgiving afternoon that attracted the largest crowd ever to see such an event in Alabama.

The two teams of European missile students from OGMS played the exhibition game to help raise funds for underprivileged children in Huntsville.

About 4,000 fans cheered the teams in five languages, while two high school bands from Huntsville played European marches.

Lt. Bent Okholm of Copenhagen, Denmark, put his team of Vikings, composed of players from Denmark,

the opening minutes. He booted the ball into the net from the 25-yard line.

The Vikings held the advantage until the last five minutes when PFC Erich Malton of Germany evened the score. He tallied on a penalty kick, awarded because one of his opponents touched the ball with his hands.

The Continentals were made up of players from West Germany, Belgium, and France.

Sgt. Gilbert Matteacoli of Angers, France, led the Continentals while Warrant Officer Erik Thomsen of Odessa, Denmark, was captain of the Vikings.



NATO SOCCER—Flying feet and flailing arms typify the furious action of soccer as Huntsville was introduced to this European version of football on Thanksgiving afternoon at Goldsmith-Schiffman Field. Soccer is a combination of football and hockey, in which no player but the goalie is permitted to touch the ball with his hands. (Other photos inside.)

The Redstone Rocket

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Group From

(Continued from Page 1)

Saturday, Dec. 13, at the University of Florida in Gainesville, Fla. It will be the Society's first such symposium to be sponsored by an Army installation.

Purpose of the unclassified symposium will be to inform ACS members of the work now being done in the missile field by chemists and chemical engineers. Over 800 are expected to attend the ACS meeting.

Chairman of the symposium will be Dr. Ralph Swann, Technical Director of the Ordnance Missile Laboratories, Army Rocket and Guided Missile Agency.

In addition to the missile symposium, an information program for area high school students will be sponsored by the Alabama Section of the American Rocket Society. Speakers will be Rodney Stewart of Thiokol Chemical Corporation's Redstone Division and Gordon Artley of the Army Ballistic Missile Agency.

Movies will be shown depicting the history of rocketry from pioneering efforts by Dr. Robert Goddard through the launching of the Army's Explorer scientific satellites. The University of Florida has invited students from surrounding high schools to attend.

The following persons from Redstone Arsenal are scheduled to present papers at the ACS missile symposium:

Niles White, of Propulsion Lab, Ordnance Missile Labs, Research and Development Division, ARGMA, whose paper is entitled "Jet Propulsion."

Dr. Henry McGee and Dr. Walter Wharton, of Research Lab, OML; "Free Radicals."

Dr. Thomas Barr, of Research Lab, OML, and Dr. Wharton; "High Temperature Plasma."

Dr. William Lucas, of Materials Lab, ABMA; "Materials and Structures."

Dr. William Arendale, of Thiokol; "Composite Propellants."

Dr. Warren Niederhauser, of Rohm & Haas (Redstone Division); "High Energy Propellants."

Col. Pierce

(Continued from Page 1)

Pierce to many stations in the Zone of the Interior as well as Theaters of Operation in France, Australia, New Guinea, Japan, and the Philippines.

Immediately prior to his assignment to the Army Rocket and Guided Missile Agency, he was Deputy Ordnance Officer in the Communications Zone, France.

Col. Pierce is married to the former Miss Helen Fredrika Decker of Bayard Blvd., Washington, D. C., and the couple has two children, Wayne, 7½, and Laura Alison, 3.

Boy Scouts

(Continued From Page 1)

two new boys during the Council's Space Round-up program will become a Space Commander and will be presented with a specially-designed neckerchief slide by Gen. Colby.

Each boy who recruited one new Scout, and each leader of units which accomplished all six points of the Space Round-up program, will receive a Jupiter-C tieclasp, furnished by the Chrysler Corporation. Chrysler manufactures the Jupiter-C famous satellite-launching vehicle developed by ABMA, as well as the Redstone and Jupiter missiles.

Brig. Gen J. A. Barclay, Commander of the Army Ballistic Missile Agency, is chairman of the Space Round-up, which aimed to improve Scouting leadership; stimulate better planning for programs; increase subscriptions to Boy's Life, the Scouting magazine, encourage Open House events for parents and friends of Scout troops; and recruit more boys into the Scouting program.

Robert L. Haskins, Council Scout Executive at Huntsville, praises this year's Space Round-up as a "most successful" stimulant to Scouting, with double the participation of previous years.

The nine counties in the Tennessee Valley Council are: Jackson, Madison, Limestone, Morgan, Cullman, Lauderdale, Lawrence, Colbert and Franklin.

THE NEVER TO BE FORGOTTEN MUSIC OF "THE SENTIMENTAL GENTLEMAN"

THE TOMMY DORSEY ORCHESTRA



STARRING WARREN COVINGTON

* * *

Tommy Dorsey Band, Led by Covington, To Play Here Monday

Handsome and personable Warren Covington, who fronts the Tommy Dorsey Orchestra which is appearing at the Rocket Service Club Monday, Dec. 8, at 8 o'clock is no stranger in the homes of regular televisioners. During his 10-year stint on the staff of CBS Warren and his trombone were pleasingly conspicuous on all the top programs.

Like most great artists, Tommy Dorsey left behind him a legacy for the world consisting of a treasury of memorable music

ABMA

(Continued from Page 1)

FICO is conducting research, development, and production of guidance and control components for the Redstone and Jupiter Ballistic Missile systems.

Maj. Henry H. Jordan, Jr., is Project Officer and Capt. Thomas B. Paul is his deputy. Col. Hans G. Jepson is Commanding Officer, New York Ordnance District.

which has been a part of all our lives. The famous Dorsey trombone is often referred to as "The World's Greatest." Tommy first started playing the horn while still in knee pants. His first important job was with the famous "Scranton Sirens," and then with the great Paul Whiteman Orchestra. Fred Waring took a vacation from his broadcast and Tommy and the boys filled in—the approval was unanimous.

The rest of the Tommy Dorsey story is history familiar to all. His fabulous careers in records, movies, and television probably have few equals in music history.

And now the never-to-be-forgotten music of "The Sentimental Gentleman" re-echoes through the nation again. The Tommy Dorsey Orchestra starring Warren Covington means that the music of Tommy Dorsey lives on!

All enlisted personnel and guests are invited to attend the dance from 8 until 12 o'clock Monday, Dec. 8.

READ THE WANTADS

Bloodmobile

(Continued from Page 1)

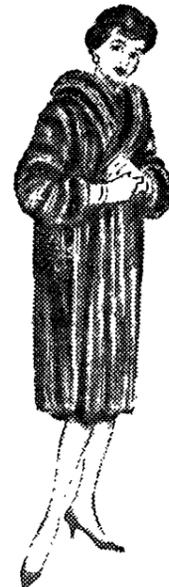
bloodmobile on Dec. 11 and give a pint of blood so as to bring your card up to date and be on the safe side for you and your family," Maj. Garner stated.

Finance, Accounting Office Establishes Agent at Canaveral

Redstone Arsenal has recently established a Class B Agent, Finance Officer, at Cape Canaveral, Fla., for the purpose of paying travel vouchers and to insure better Finance service, it was announced by Col. K. O'Keefe, RSA Commander.

Capt. Kjell Phorstensen charge of the office, which is cated in Hangar R in the Ballistic Missile Agency fac area.

The office was set up as part of the Redstone Finance and Accounting Office, which is headed by Lt. Col. John Palsrok.



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ARGMA's Field Service Division Provides 'Customer' Instructions, Parts, Tools to Use, Maintain Weapons

It was at about this time of year only eight years ago that events were taking place in Washington which led to the establishment of a Field Service Division for guided missile equipment at Redstone Arsenal.

First, there was a letter dated 26 Sept. '50 directing that a National Maintenance Point be established, along with two civilian positions. This was followed on 21 Dec. '50 by another letter directing that a Field Service Division be established.

Work began at once on developing plans for organization, personnel, and the other essentials to launching a new organization. The plan was submitted to Office, Chief of Ordnance, 27 July '51, and on 3 Aug. '51 General Order Number 5 was issued formally activating Field Service Division effective 6 Aug., with a national stock control, maintenance, and key depot mission.

Thus began what is today, with over 1100 people, the largest of Army Rocket and Guided Missile Agency divisions. Its early days were spent in a more or less converted warehouse down in what is now the "8000 area." Today it is housed in parts of three separate buildings on the installation, also converted warehouses, but a vast improvement over its first home.

On entering one of the Field Service buildings today, one hears the clacking of typewriters and ringing of telephones, against a background of voices and rustling paper, bespeaking a "business is good in Field Service" message. Farther inside, teletypewriters spit out reams of messages from all over the country, while on another machine an operator taps a keyboard placing outgoing messages on the wires. Then there are the addressing machines filling the air with metallic clanking sounds as they stamp out plates to be used in printing manuscripts, and the rows of electrical accounting machines spewing out cards by the thousands, keeping account of Field Service missile business throughout the country.

The phenomenal growth and expanded activity experienced to date by Field Service Division are but reflections of the development of the Army guided missile and rocket programs. While the original division supply, maintenance and depot mission has changed only by deletion of the key depot assignment, the number of missile systems has tripled. To the names Nike, Corporal, and Honest John heard in 1951 and 1952 have been added such newcomers as LaCrosse, Hawk, Sergeant, and others of more recent vintage and more sophisticated characteristics, to say nothing of such things as the three generation Nike family now known as Nike-Ajax, Nike-Hercules, and Nike-Zeus.

Speaking of people, a roll call of the pioneers in Redstone Field Service Division would still be answered "present" in many cases. To mention a few specific cases, there are Anita Smith,

Evelyn Crabtree, Cindy Phillips, Doris McDonald, Laverna Frazier, Irene Moffatt, Joe Olszewski, Jim Thomas, Bob Penney, Roy Watts, Ray Yeagan, and numerous other employees who came during the first few months and have remained with the division during the years.

To this original contingent have been added people from all over the country as a result of efforts to recruit the specialized skills and talent needed to do the many tasks required by the division mission. The Air Force, the Navy, the several Ordnance Depots, the college campuses, Huntsville, Scottsboro, Detroit, Iowa, Chrysler Corporation—all and many more have contributed their talented men and women to the nearly 1200 military and civilian personnel now making up the Field Service Team.

Some came highly skilled and trained in some specialized phase of the electronic or mechanical field; others brought a knowledge of the Ordnance responsibility in the field and still others came on only with the ambition and ability to learn some part of this new missile business. For all, there was need for training, either in classrooms of technical schools over the country, or on the job, or both. This has been an endless task, not because the Field Service mission in itself was new, but because never before had Ordnance had a mission of supporting such highly complicated guided missile and rocket systems in the hands of using troops.

The Field Service mission or reason for being may be simply described as providing the customer (the using troop unit) with the necessary instructions, tools, and parts to properly operate and maintain his equipment.

There the simplicity ends, however. In accomplishing these things much grist must go into the mill.

For example, it is the mission of Field Service to follow the design and development of new materiel to insure that the optimum maintainability is built into it, and to become aware as soon as possible of the maintenance problems that must be faced.

Next comes the job of selecting the repair parts that will be needed and determining how many will be needed, and the cataloging and publishing of these parts lists so that the customer will have a catalog showing him what to order.

At the same time, another group of technical people are working on another set of books complete with pictures which tell how to operate and how to repair the various parts of the system.

Sometimes special tools have to be designed; sometimes existing tools can be used, but in either event the responsibility that proper tools are available is a Field Service responsibility.

There are others, such as the developing of a name and assigning of a stock number, and assisting in training personnel in main-



FSD CHIEF—Lt. Col. Frank E. Napper (above) has served as Chief of the Army Rocket and Guided Missile Agency's Field Service Division since July, 1956.

* * *
taining the new equipment.

While all of this goes on, the supply people are looking at all the repair parts lists, the deployment schedules (how many systems and how many sets of each system we plan to have) and throwing this along with a lot of other figures (factors, the supply people call them) into a calculator to come up with how many of the many thousands of items in each system should be purchased for repair parts.

The next step is to prepare a request that the necessary parts be bought, and to program them into the depots from which they are then made available to the using troops.

There are many things, of course, such as money to buy them what to do with parts that are not used, keeping up with changes in stock numbers, all of which add to the problem of assuring that the right part is at the right place at the right time.

To put the division mission in the parlance used in Ordnance circles, it can be said that it is a national (and Free World-wide) maintenance, supply management, and cataloging responsibility for Army missile and rocket systems.

The books mentioned earlier

are called manuals, and they serve both the supply people and the technical people. While on the subject of manuals, it should be noted that the requirement is that the various publications be distributed to the user not later than the delivery of the equipment, the ideal being that they be distributed ahead of equipment arrival, for training purposes. This was achieved by Field Service Division, as a first in Ordnance, in the case of Nike-Hercules when publications were distributed at time of or prior to date the equipment was delivered.

To do this job, the division has three operating branches—the Maintenance Branch, Supply Management Branch, and Cataloging Branch, whose names readily identify them with their jobs. They are supported by the Administrative Branch for overall administration, and their progress followed by the Programs Control Office.

Many of the myriad supply computations are handled on the ultra-modern electronic computer (The electronic brain," on television, through the Data Processing Applications Branch, a technical support activity of the division.

The Ammunition Coordination Office, a staff office concerned with specialized ammunition matters, completes the division organization as it now stands.

As noted earlier, the depot mission has been deleted. As a consequence, the Redstone Depot was removed from the division organization and made a separate mission division in August, 1953.

During its seven-year history, four officers have served as Field Service Division's chief, the first being Lt. Col. Clinton A. Waggoner. He was succeeded by Col. B. D. Beach and later by Col. Paul Elias.

Lt. Col. Frank E. Napper, the present chief, has been at the helm since July, 1956, having come to Redstone from White Sands Missile Range, N. M. Prior to his White Sands tour, he had spent many years with troops in the field where he had come to know first-hand the many problems encountered and the type of service that must be provided from the national level to properly support the field troops. His executive assistant, A. A. Stewart, likewise has a background of many years in Ordnance supply and depot activities, having been with the Redstone Depot continuously from the time it was activated, originally as a part of Field Service Division, until

March 1957 when he returned to the division as now constituted.

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MUTUAL

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A GIFT FOR COL. LEHTONEN—Lt. Col. Selby Frank (left), Deputy Chief of the Field Service Division, Army Rocket and Guided Missile Agency, presents a gold-plated swagger stick to Col. R. O. Lehtonen (right), recently named as Deputy Commander of ARGMA, at a combination farewell party for Col. Lehtonen and reception for Col. Henry H. Wishart (center) who succeeded Col. Lehtonen as Chief of the ARGMA Industrial Division. The event was held Saturday night at the Squirrel Hill Officers Club by officers and their ladies of the ARGMA Industrial Division.

Reception, Farewell Party Honors Cols. Lehtonen, Wishart

A combination reception and farewell party was held Saturday night by officers and their ladies of the Army Rocket and Guided Missile Agency's Industrial Division, honoring Col. R. O. Lehtonen and Col. Henry H. Wishart. Col. Wishart was recently assigned as Chief of the ARGMA Industrial Division, succeeding

Col. Lehtonen who has been named Deputy Commander of ARGMA.

The event began at 6:30 p. m. at the Squirrel Hill Officers Club at Redstone Arsenal.

Guests included Brig. Gen. and Mrs. J. G. Shinkle, Col. and Mrs. H. N. Brownson, and Lt. Col. and Mrs. Frank E. Napper, Gen. Shinkle is the ARGMA Commander, Col. Brownson is Chief of the ARGMA Control Office, and Col. Napper heads the ARGMA Field Service Division.

TRADITIONAL SILVER TEA SLATED DEC. 9 BY OFFICERS WIVES CLUB

The traditional Silver Tea will be held by the Redstone Arsenal Officers Wives Club on Tuesday, Dec. 9, at the Squirrel Hill Officers Club from 2 to 4 p.m.

All Club members are invited to attend this Christmas event and guests are welcome. During the tea cash contributions will be received for the needy at Christmas time.

Decorations will be Christmas cheer in real fruit, gilded and entwined in ropes of laurel and magnolia leaves. There will be table trees of fruit and leaves and a large choir boy with pipe organ background will be centerpiece on the main table.

A program of organ music will be presented by Arthur J. Kurtzman.

Reservations for the tea must be made not later than Friday, Dec. 5. Cancellations must be made by noon on Monday, Dec. 8.

Members off-post should call Mrs. Henry Arrott, JE 4-9987; members on-post should call Mrs. James Bishop, ext. 8747.

Mrs. Steininger Named President of RSA Garden Club

The Redstone Arsenal Garden Club held election and installation of officers at their Nov. 18 meeting.

Mrs. D. H. Steininger was installed as president, Mrs. J. G. Freyder as vice-president, and Mrs. R. L. Easley as secretary.

Mrs. H. S. Buck, retiring president, was presented with a gift in appreciation from the club.

There was no presentation of the Redstone Garden Club Plaque for Achievement in the month of November. However, the plaque for the month of December will be presented for the most attractive Christmas decorations.

There will be no regular meeting for the month of December as the Garden Club will hold its annual Christmas luncheon on the 9th. Friends and prospective members are welcome. For reservations, contact Mrs. Robinson at ext. 7452 if interested in attending.

Maj. R. W. McNamee Assigned to ARGMA

Maj. Roland W. McNamee, Jr., son of Mr. and Mrs. Roland William McNamee of Los Altos, Calif., has been assigned with the Research and Development Division at the Army Rocket and Guided Missile Agency.

Maj. McNamee was formerly chief of the Guided Missile Section, Ordnance Division, Headquarters, U. S. Army in Europe.

Maj. McNamee received his BS degree in 1945 from the U. S. Military Academy and an MS degree in electrical engineering in 1951 from the University of Pennsylvania. He is a member of the American Ordnance Association and the Association of the U. S. Army.

Maj. and Mrs. McNamee have two children, Gregory Michael, age 4, and Heidi Ann, three years old. Mrs. McNamee is the former Margaret Ann Johnson, daughter of Mrs. L. M. Johnson, Ashland, Kans.

After reading all the epitaphs in the graveyard, you wonder where they bury the sinners.

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C. J. OSIA

* * *

C. J. Osia Is Named 'Safety Supervisor'

C. J. Osia, Chief, Scheduling and Services Unit, Advanced Process Engineering Section, Structures and Mechanics Lab ABMA, has been selected as the "Safety Supervisor of the Week" because of the contribution he has made to the safety program maintained in the Engineering Materials Branch. The safety record of his unit is unblemished by any lost-time accident since its origination in January 1955.

The function of his unit is to furnish the necessary service to the sections of the Engineering Materials Branch to assure successful operation. Foremost among these requirements is assisting the sections in establishing safe operating practices.

"Safety is just common sense," says Osia. "It is our belief that no job is of sufficient importance to warrant it being done using unsafe practices. There is no such

thing as job which cannot be done safely. We realize the requirement of an expeditious operation, but by adequate planning this need can be accomplished with no danger to the employees. Only when we sacrifice the safety of our work do accidents occur. The lost-time accident is a crippling blow to the over-all efforts required if we are to meet schedule requirements. These requirements are established on the assumption that operations can be done safely and all employees will be available for work. When accidents occur, the basic assumption is wrong and schedule requirements suffer. No time is saved when an accident occurs."

Osia was born in St. Louis, Mo., in 1929. After graduation from high school in St. Louis, he joined the Army. After completion of duty in Alaska he was assigned to the Ordnance Guided Missile Center Materials Lab in Fort Bliss, Texas, in 1949 and moved to Redstone with that organization in 1950. After his honorable discharge in August 1951, he remained in his duties as a civilian.

Mr. and Mrs. Osia reside in the Colonial Hills subdivision of suburban Huntsville. They have a daughter, Paula, who started school in September of this year.

"Before you drink like a fish, remember that a fish doesn't have to walk home."

—Old Indian Proverb

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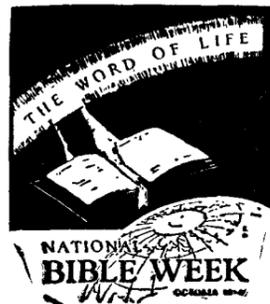
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AID FOR MINE DISASTER VICTIMS' FAMILIES—Matthew Zaborsky (left), of the Redstone Arsenal Control Office, presents a check for \$41.50 to Maj. John E. Cary, Canadian Liaison Officer at Redstone, to be forwarded to the Spring Hill (Nova Scotia) Disaster Fund to aid families of coal miners who were killed in the recent disaster there. The money was contributed by some 40 members of the RSA Control Office who were contacted by Zaborsky—himself a former miner whose father was killed in a similar disaster in 1935 at Pocahontas, Va.

Bids Called on Second Increment of Facilities For Use by Thiokol

Army Engineers have advertised for bids for the second increment of extensive facilities to be built at Redstone Arsenal, for use by the Thiokol Chemical Corporation in performing development work on propellants for the Army Ordnance Missile Command.

Facilities in the second increment will include a three-story engineering building with a total floor area of about 31,000 square feet; a casting facility with a storage area of about 864 square feet, a casting area of about

Movie Schedule

Wednesday, 3 Dec., "The Mugger" starring Kent Smith. Time 1315, 1745, and 1945.

Thursday and Friday, 4 and 5 Dec., "The Buccaneer" starring Yul Brynner, Charlton Heston, Claire Bloom and Charles Boyer. Time 1315, 1745, and 1945.

Saturday, 6 Dec., SPECIAL MATINEE, "Kronos" starring Jeff Morrow and Barbara Lawrence. Time 1000.

Saturday, 6 Dec. "Johnny Rocco" starring Stephen McNally and Coleen Gray. Time 1745 and 1945.

Sunday and Monday, 7 and 8 Dec., "The Last Hurrah" starring Spencer Tracey, Jeffrey Hunter and Dianne Foster. Time Sunday 1400, 1745 and 1945. Mon-

day 1315, 1745 and 1945. Tuesday, 9 Dec., "The Last Blitzkrieg" starring Van Johnson and Kerwin Mathews. Time 1745, and 1945.

1,375 square feet, and a separate vacuum pump house; an engine preparation and assembly building with a floor area of about 5,100 square feet; a case preparation building with a floor area of about 3,440 square feet; a radiographic inspection laboratory with a floor area of about 8,500 square feet; and necessary utilities.

Bids for the contract will be opened at 11 a. m., C. S. T., on Dec. 12, 1958, at the U. S. Army Corps of Engineers District Office, 2301 Grant Street, Mobile, Ala.

Girls Needed as Square Dance Partners at Post's Rocket Service Club

Calling all girls who like to square dance! That's what Redstone Arsenal's Rocket Service Club is doing.

Square dancing sessions are held each Tuesday night at the Club, beginning at 7:30, reports Miss Molly Patterson, Service Club director.

Austin Roberts, a Redstone employe, is donating his services as square dance instructor and caller, and also provides appropriate phonograph records. All that's needed now is lots more partners for the enlisted men who are at-

Ronald Strickland Retires After 22 Years' Civil Service

Ronald Strickland recently retired, after 22 years' Government Service, from his job as a sheet metal worker with the Pilot Manufacturing Developing Branch, Guidance and Control Lab, Army Ballistic Missile Agency.

A native of North Carolina, Strickland plans to make his home in Winter Haven, Fla.

He came to Redstone Arsenal in 1954. He was previously employed at the Norfolk (Va.) Navy Yard; Terminal Island, San Pedro, Calif.; and Naval Ordnance Test Station, China Lake, Calif.

Lee Paris Wins Toastmaster Prize

Lee Paris of the Mason-Dixon Toastmasters Club of Huntsville won the humorous speech championship of Area 5, District 48 clubs in competition held recently.

Talks were made at a meeting at Morrison's Restaurant attended by 65 persons. Paris won a bronze trophy for his talk on "Detroit's Monsters."

Also competing were Bill

Greene of the Redstone Club, Jim Blanche of Huntsville Club, and Jim Fulgum of the Gadsden-Atalla Club.

Table topics were conducted by Jack Carye, Canadian liaison officer at Redstone. Cliff Kiley served as toastmaster. Guests were introduced by Charles Cockrell of Huntsville, area governor of toastmaster clubs. Guests included Col. Owen T. McCloskey, Deputy Commander of Redstone Arsenal; and Lt. Col. Charles Michaels Chief of the research and Curriculum Division, OGMS.

tending the dances in large numbers, said Miss Patterson.

Girls who wish to join the dancing parties will have no difficulty getting onto the post and will be more than welcome at the Club, she added. Anyone desiring additional information should contact her at ext. 4741.

RHYMES of the TIMES 'art
THE WORLD WOULD LITTLE FEAR IF IT BUT LEARNED FROM YESTERYEAR.
 ...Agon: AFPS

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Choice of 1 Meat
 Choice of 3 Vegetables
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 Coffee or Tea **85c**

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 Private Party Room Seating Up to 50 People



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Real Live Reindeer!

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For The Thrill Of Your Life See

Santa and his real, live reindeer Thursday, December 4th. Santa and his reindeer will make three appearances . . . from ten to twelve A.M.; from three-thirty to five-thirty; and from six-thirty to eight-thirty P. M.

FREE Candy for the children from Santa. Make a day and night of it! Plan now to bring your family to Parkway City Shopping Center Thursday and save on all your Christmas needs. It's family fun to shop and save at Parkway City Shopping Center.

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Post Library

ANNA L. FARRAR, LIBRARIAN

This is a list of the new books ready for circulation at the Post Library, Bldg. 3711. Come in and make your selection.

Irving Adler, "Tools of Science."
 Lawrence Bachmann, "The Lorelei."
 Brent Balchen, "Come North With Me."
 Irwin Blacker, "Westering."
 Earl Bond, "One Mind, Common to All."
 John Bourke, "Apache Campaign in the Sierra Madre."
 Edward Canby, "High Fidelity and the Music Lover."
 Helen Carlisle, "The Tiger Sniffs the Rose."
 Arthur Clarke, "Voices Across the Sea."
 Joseph Conrad, "Tales of the East and West."
 David Cooke, "Post of Honor."
 Kendell Crossen, "A Hearse of

Another Color."
 Margaret Cussler, "The Woman Executive."
 Doris Disney, "Black Mill."
 Garner Dodson, "Making the Most of Every Move."
 Phillip Dunaway, "Turning Point."
 Arthur Ford, "Nothing So Strange."
 Harry Golden, "Only in America."
 Gerald Hamilton, "Emma in Blue."
 Werner Heisenberg, "Physics and Philosophy."
 Llewellyn Holmes, "Wild Summit."
 Geoffrey Household, "Brides of Solomon, and Other Stories."
 William Inge, "Four Plays."
 Charles Israel, "The Mark."
 John Latham, "The Meskin Hound."
 Burr Leyson, "More Marvels of Industrial Science."
Ashley Montagu, "The Cultured Man."
 Ben Moore, "NATO and the Fu-

ture of Europe."
 Howard O'Hagan, "Wilderness Men."
 Mary O'Malley, "The Portuguese Escape."
 Mary Renault, "The King Must Die."
 Craig Rice, "April Robin Murders."
 Harlow Shapely, "Of Stars and Men."
 Kurt Singer, "My Strangest Case."
 Davenport Steward, "Battle-ax of God."
 Edward Tanner, "Around the World with Auntie Mame."
 U. S. Air Force, "U. S. Air Force Report on the Ballistic Missile."
 U. S. Dept. of Labor, "Occupational Outlook Handbook."
 Joseph Wechsberg, "Avalanche!"
 Hugh Willoughby, "Amid the Alien Corn."
 Pelham Wodehouse, "Cocktail Time."

Soldier Lives Conduct Code in Four Escapes

TONGGU, Korea — Four is a significant number — if not always exactly a lucky one — for Specialist Third Class Charles H. Banger of Chatham, N. J., a First Calvary Division soldier here who is a living example of the advantage of following a soldier's age-old precept about attempting to escape from the enemy.

in Korea he fought in four major campaigns, was captured four times, escaped four times, and was in enemy hands for four days during the longest period they managed to hold him.

"I took the first opportunity to escape no matter how small it was," says Banger, who thus anticipated one of the cornerstones of the Armed Forces Code of Conduct.

During his first tour of duty

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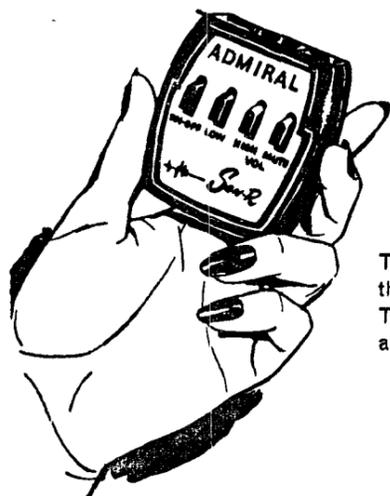
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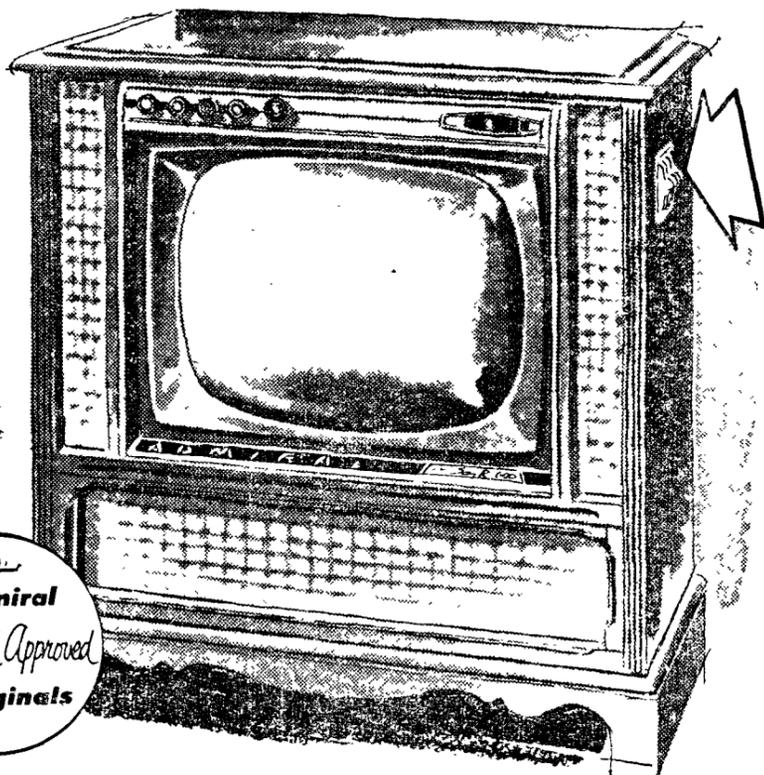
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RICHARD WALKER, veteran of World War I service with the U.S. Navy, checks over plans for the forthcoming move of Army Ordnance Missile Command personnel into a new building. Walker heads the Supply Branch at the Command.

WAR I WAS OVER (BUT NOT REALLY) WHEN RICHARD WALKER JOINED NAVY

It was January 1920 when World War I veteran Richard Walker of the Army Ordnance Missile Command joined the U. S. Navy. Hostilities had been over for more than a year - since the signing of the Armistice in November 1918, but the United States remained "at war" until completion of the peace settlement, which was not to take place until the Summer of 1921.

The Missile Command paid special tribute to its World War I veterans in connection with the observance of Veterans Day last week. Walker is one of seven World War I veterans working in Command Headquarters.

"It was really peace time," recalled Walker as he told how he entered the Navy on a bet. "I bet 10 cents to a horse with a local farmer that I would join the Navy. I won the horse, but gave it back."

Walker completed naval training October 1920 at Goat Island Navy Base, San Francisco, Calif., and spent his first two-year cruise sailing up and down the West Coast, visiting Chile, South America, in 1921.

Later that year he left San Francisco for Boston via the Panama Canal. In 1922 he sailed from Newport, Rhode Island, for China by way of the Suez Canal. He was in China for the next three years, returning to the United States in 1925.

That same year he made the

Australian cruise with the entire fleet, aboard the U. S. S. Seattle. This was the last voyage for the coal burning Seattle, which was retired upon return to the U. S. It also marked the last voyage for Walker, who spent the remaining three years of his Navy service at the Naval Air Station, Pensacola, Fla., training to be an aviation mechanic.

"I really enjoyed my Navy service," Walker declared, explaining that during his nine years' service he completed one entire trip around the world.

He was discharged from the Navy in 1929 and for the next ten years was employed in private industry. He began his civil service career in 1939, returning to the Naval Air Station, Pensacola, where he handled supplies and did time-keeping for Corry Field.

Four years later he returned to private industry. He re-entered civil service at the St. Louis Ordnance Depot in 1942, working as an inventory clerk. He remained at the Depot for ten years, coming to Redstone Arsenal in 1952 to accept employment in the Arsenal's Engineering Department.

He joined the Supply Division at the Army Ballistic Missile Agency in March 1956 and became Chief of the Supply Branch of the Army Ordnance Missile Command in April of this year.

"The party is very dull," said Neal to the hostess, "so I'm going to leave."
"Well," she replied, "that will help some."

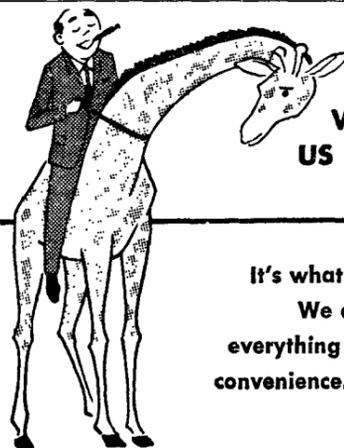
Three Announcements Issued by Civil Service Commissioners Board

The U. S. Civil Service Board of Commissioners has issued three announcements of competition.

Announcement No. 5-35-13(58) covers accounting clerks. In the general category the grade is GS-4 at \$3755 per annum. In the fields of accounts maintenance, cash accounting, general, voucher examiner, military pay and time, leave and payroll grades are GS-5 and GS-6 paying \$4040 and \$4490 per annum respectively.

The second announcement is numbered 5-35-14(58) for Supply Requirements Officers with grades from GS-9 (\$5985 p. a.), GS-11 (\$7030 p. a.), GS-12 (\$8330

pa. a), GS-13 (\$9890 p. a.) and GS-14 (\$11,355 p. a.) and ber 5-35-15(58) is an examination for truck driver-messenger (WB-4 at \$1.60 per hour.)



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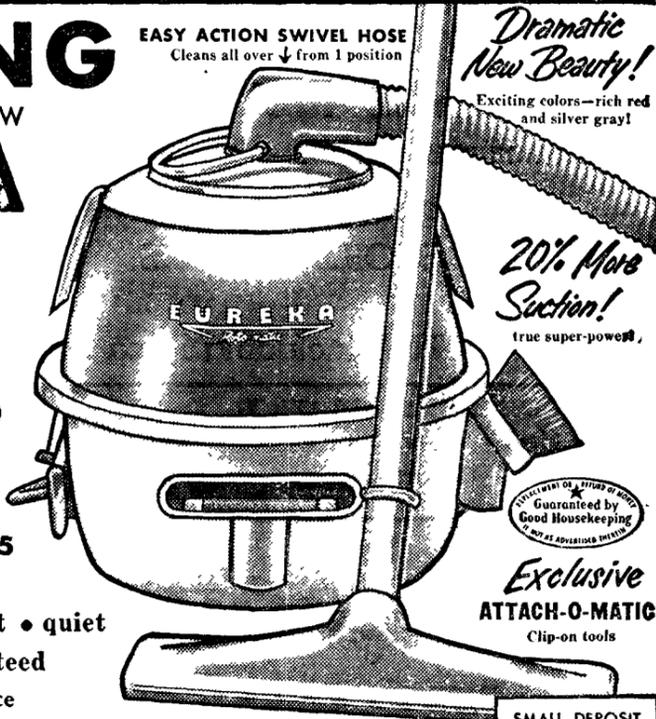
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Three Redstone Men Named to Committee Of Safety Engineers

Three Redstone men were appointed to the Executive Committee of the Tennessee Valley Society of Safety Engineers at its second meeting held recently in Decatur. They are W. E. Albright, (RSA Safety Director), Robert Tice, and Burreis F. Hankins (both Safety Engineers of the RSA Safety Division).

Twenty-eight men attended the meeting, representing Redstone Arsenal, Ford Motor Co. Sheffield; Reynolds Aluminum Co., Sheffield; Chemstrand Corp., Decatur, TVA; U. S. Army Corps of Engineers, Thiokol Chemical Corp., Redstone Division; and Rohm and Haas, Redstone Arsenal, Research Division.

The purpose for the organization of this group is to work toward the formation of a national North Alabama Chapter of the American Society of Safety Engineers. It will provide an exchange of ideas and information within the safety engineering

profession, and one of the important goals will be to promote greater public interest in the prevention of accidents.

North Alabama counties which will be included in the chapter are Franklin, Marion, Winston, Cullman, Blount, Marshall, De Kalb, Jackson, Morgan, Lawrence, Colbert, Lauderdale, Limestone, and Madison.

Those attending the Decatur meeting from Redstone Arsenal were the following from the RSA Safety Division: Dewayne Thatcher, Dodge Old, M. M. Hudgins, Frank Hart, E. W. Priddy, T. W. Davidson, W. T. Cook, Robert Tice, W. E. Albright, L. L. Roberts, George Hardy, Paul Hodson, and Edsel Baites. Jack Harbarger represented Thiokol and Charles Wells represented Rohm and Haas Co.

The regular meeting time for this organization will be the third Thursday of each month and the next meeting is scheduled to be held at the Lyon's Hotel in Decatur at 7 p. m. Anyone interested in becoming affiliated with this organization should contact Robert Tice, RSA Safety Division.

Chemists Groups Set Events in Huntsville, Birmingham Friday

Friday night is a big night for chemists in this area. In Huntsville, the local chapter of the American Chemical Society will meet; and in Birmingham, a joint meeting of the Alabama Section of the American Chemical Society and the Alabama Chapter of the American Institute of Chemists will be held.

The Huntsville event will feature a talk by Dr. Otto Eisenschiml, chairman of the board of the Scientific Oil Compounding Co., Chicago, on "How to Maintain Our Supply of Survival Scientists". Dr. Eisenschiml is also a fellow of the AIC. Social hour will begin at 6:30 p. m. at the VFW Club, dinner is at 7, the speech at 8. This will be Ladies Night, and a dance is also slated from 9 to 12. Those who

wish to attend any particular portion of the night's activities may do and omit others it was announced.

For reservations, contact Dr. Charles Colburn, Rohm and Haas ext. 430.

AIC members in the Huntsville area who do not attend the Birmingham event have been invited by the ACS to attend the Huntsville meeting, according to Martin Williams, secretary of the Alabama Chapter of the AIC.

The Birmingham meeting will begin with a social hour at 6 p. m. at the Bankhead Hotel. Dinner will be at 7, and at 8 members will hear a talk by Harold A. Levey, president of American Products Manufacturing Co., New Orleans, on "The Chemist and His Employer."

For reservations for this event, contact Williams at ext. 3795 or 3736. Reservations should be made today, Williams stated.

AFGE LODGE TO MEET

Redstone Arsenal Lodge 1858, American Federation of Government Employees, will meet at 7 p. m. tonight at Carpenters Hall, 1304 W. Clinton St., it was announced by E. L. Lowther, Lodge president.

RSA OFFICERS' MIXED BOWLING LEAGUE As of 24 Nov.

TEAM STANDINGS; WON LOST		
4—Peapickers	52	20
3—Bombers	42	30
8—Pindroppers	39	33
7—Bowlweevils	38	34
1—Hi-Counts	34	38
5—HolyRollers	33	39
6—D-Yanks	27	45
2—Blindmice	24	48

200 Games, Men: Thompson 203, Usinger 203-203, Middleton 212.
180 Games—Women: Thompson 201, Kloos 187, McRay 217.

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Nights

To the Music of

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Friday 9:00 p.m. to 1:00 a.m.

Saturday 8 p.m. to 12 p.m.

NOTE: On Friday and Saturday Nights a Minimum Expenditure of \$1.00 Per Person Is Required— This Includes a 20% Cabaret Tax.



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CONTINENTAL IN A CAGE—Sgt. Leopold Janse, the goal keeper for the Continental soccer team leaps high to stop an attempted goal in the Thanksgiving day soccer contest at Goldsmith-Schiffman Field. The Continentals and the Vikings, NATO students at the Ordnance Guided Missile School, fought to a 1 to 1 tie in the benefit game sponsored by the Huntsville Veterans of Foreign Wars.

Dr. Sayles Receives Awards for Potential Patentable Ideas

Awards have recently been approved for six potential patentable ideas submitted by Dr. D. C. Sayles of the Army Ordnance Missile Command.

The awards of \$25 each, were given by the Air Research and Development Command for ideas turned in by Dr. Sayles when he was a consulting engineer with the Air Force. He has been a consulting engineer with AOMC for the past three months. Dr. Sayles is with the Research Plans Division, Assistant Chief of Staff for Research and Development, AOMC.

Three other ideas submitted by him have not yet been acted upon. The titles of ideas for which he has received awards follow: (1) high-energy rocket propellant composition, (2) vehicle arresting retrorocket, (3) self-lubricating coating for ammunition, (4) unconventional high-explosive warhead filler, (5) frangible fire-fighting rocket, (6) combination de-coppering deterrent coating for gun propellants.

A native of Canada, Dr. Sayles received his B. S. degree from the University of Alberta, Mas-



VIKINGS AND CONTINENTALS—Shown above are the Vikings and Continentals, the NATO soccer teams from the Ordnance Guided Missile School, that played the benefit soccer game Thanksgiving afternoon at Goldsmith-Schiffman Field. Sponsored by the Huntsville Veterans of Foreign Wars, the proceeds will go to the underprivileged children's Christmas fund. Left to right are: Cpl. Bent Gyldenvang, Denmark; Cpl. Hans Helmersen, Norway; Sgt. Thorbjorn Kopperud, Norway; Lt. Bent Okolm, Norway; Cpl. Hans Jensen, Denmark; Sgt. Ola Pedersen, Norway; Cpl. Ole E. Madsen, Denmark; Cpl.

Jorgen Jorgensen, Denmark; Cpl. Poul E. Hansen, Denmark; Cpl. Arne Kjieldstaldie, Norway; WO Erik Thomsen, Denmark; Cpl. Kurt Sorensen, Denmark; Sgt. Leopold Janse, Belgium; SFC Gilbert Matteaccioli, France; Sgt. Jean Mancos, France; Sgt. Laurent Smeets, Belgium; Sgt. Jean-Pierre Laudouar, France; Sgt. Jose' Determe, Belgium; Sgt. Claude Cordonnier, France; Pvt. Horst Windheuser, Germany; Lt. Charles-Louis de Rochechouart, France; Sgt. Alain Herrouin, France; PFC Erich Mal-tan, Germany; PFC Helmut Kiss, Germany; Sgt. Pierre Pouzet, France; and SFC Jacky Marchand, France.

Army Engineers Ask Bids on Construction For ARGMA, Thiokol

Army Engineers have called for bids for the construction of additional developmental facilities for the Army Ordnance Missile Command.

Bids will be opened on Dec. 4 for the construction of the first increment of extensive facilities for the use of the Thiokol Chemical Corporation in performing development work on propellants for the Ordnance Missile Command. The job will include the construction of two 2-story buildings of masonry unit construction on concrete slab, each with a floor area of approximately 22,000 square feet; two 1-story

buildings of masonry unit construction on concrete slab, each with a floor area of approximately 1,900 square feet; two earth-covered concrete bunkers, each containing about 350 square feet; two earth barricades; roadways and parking areas; fencing; and utilities.

Bids will be opened on Dec. 6 for the construction of a pre-flight evaluation laboratory for the use of the Army Rocket and Guided Missile Agency in performing operational and climatic environmental tests on rockets and missiles. The laboratory will be a one-story rectangular building about 86 feet wide and 267 feet long, with a partial basement. It will be of reinforced concrete construction with structural steel framing, insulated for close temperature control. Interior partitions separating individual test cells will be of reinforced

ter's degree from the University of Chicago, and Ph. D. from Purdue University.

"Pardon me, sir, do you know the way to the post office?"
"No, I'm sorry, I don't."
"Well, its two blocks up and

one block to the right."

concrete. A 16-ton gantry crane will be constructed for use in moving the rockets and missiles.

Bids for both jobs will be opened at the Corps of Engineers office, 2301 Grant Street, Mobile, Ala., at 11 a.m., C.S.T. on the scheduled dates.

WOODY'S DRIVE-IN
OPEN 6:00 - START 6:30
THURSDAY & FRIDAY
2 BIG HEATS!
CALYPSO JOE
AND
HOT ROD RUMBLE
SATURDAY
ESCAPE from RED ROCK
A REGALSCOPE picture starring BRIAN DONLEVY
Plus
COLUMBIA PICTURES presents
JOAN CRAWFORD
AUTUMN LEAVES
A WILLIAM GOETZ PRODUCTION
SUNDAY & MONDAY
"KATHY O"
Dan Duryea — Jan Sterling
Patty McCormack
TUESDAY & WEDNESDAY
COUNT 5 and DIE
A ZONIC PRODUCTION
Released by CENTURY-FOX

PARKWAY
WEDNESDAY-THURSDAY
THE CAMP ON BLOOD ISLAND
A HAMMER FILM PRODUCTION
MEGASCOPE
PLUS
The Snorkel
A HAMMER FILM PRODUCTION
A COLU-SIA PICTURE
FRIDAY & SATURDAY
KANSAS RAIDERS
COLOR BY TECHNICOLOR
Starring Audie Topp Brian
MURPHY-CURTIS-DONLEVY
Marquerite Scott Richard
CHAPMAN-BRADY with ARLEN
Plus
WALT DISNEY'S
DAVY ROCKETT AND THE RIVER PIRATES
TECHNICOLOR
PLUS
WALT DISNEY'S
MAN IN THE SPACE
TECHNICOLOR
A Red Stone Picture
From the Original
"Man in the Space"

WHITESBURG DRIVE-IN
LAST TIMES TONIGHT
ANDY GRIFFITH
'No Time For Sergeants'
WARNER BROS. PICTURE
THURSDAY & FRIDAY
JOEL McCREA
VIRGINIA MAYO
THE TALL STRANGER
CINEMASCOPE
Color by De Luxe
ALLIED ARTISTS PRODUCTION
PLUS
LET'S BE HAPPY
TONY MARTIN
VERA-ELLEN
Robert Fleming
CINEMASCOPE
COLOR
SATURDAY
Biting Bull-Whip
Fury and Romance!
NAKED SUN
IN FLAMING EASTMAN COLOR
JAMES CRAIG
LITA MILAN
AN ALLIED ARTISTS RELEASE
plus
ERROL FLYNN
The **BIG BOONIE**
Also starring
PERLO
ARMENDARIZ
ROSSANA DORY
SUNDAY & MONDAY
"MARACAIBO"
CORNEL WILDE
JEAN WALLACE
ABBE LANE
TECHNICOLOR
VISTA-VISION
TUESDAY & WEDNESDAY
"Underwater Warrior"
Starring
DAN DAILEY

GRAND THEATRE
THURSDAY & FRIDAY
THE MOST OUTSPOKEN STORY OF OUR TIME!
Paramount presents The DON HARTMAN production of EUGENE O'NEILL'S
DESIRE UNDER THE ELM
Starring SOPHIA ANTHONY BURLI
LOREN PERKINS IVES
SATURDAY
COLUMBIA PICTURES presents
THE LINEUP
starring **ELI WALLACH** co-starring **AS LI GUTHRIE**
ROBERT KEITH - WARNER ANDERSON
plus
THE PHANTOM STAGECOACH
A COLUMBIA PICTURE

LYRIC THEATRE
"HUNTSVILLE'S FINEST"
WED., THURS., FRI., SAT.
Walt Disney's
WHITE WILDERNESS
A TRUE-LIFE ADVENTURE FEATURE
SUN., MON., TUES.
CARY GRANT-INGRID BERGMAN
INDISCREET

WALT DISNEY
PRESENTS
DOROTHY McGUIRE and FESS PARKER
CO-STARRING IN
OLD YELLER
STARTS SUNDAY

STARTS SUNDAY
WALT DISNEY
PRESENTS
DOROTHY McGUIRE and FESS PARKER
CO-STARRING IN
OLD YELLER

STARTS SUNDAY
WALT DISNEY
PRESENTS
DOROTHY McGUIRE and FESS PARKER
CO-STARRING IN
OLD YELLER

STARTS SUNDAY
C'MON ALONG to New Orleans to
MARDI GRAS
Starring PAT CHRISTINE
BOONE & CARERE
TOMMY SHEER GARY FRED
SANDS NORTH CROSBY CLARK



FINAL UGF REPORT—The Redstone United Givers Fund's final 1958 report was given recently by the Executive Committee to Maj. Gen. J. B. Medaris, Commanding General of the Army Ordnance Missile Command who served as chairman of the Redstone UGF campaign. A total of \$154,962.16 was reported—approximately twice the amount of the 1957 drive. During the report meeting, Gen. Medaris also presented UGF "Oscars" — and his personal congratulations—to members of the UGF Executive Committee and to UGF Agency Chairmen. Shown at the final meeting, in photo above, are (left to right, front row): Mrs. Sarah Hymer, Rohm & Haas chairman; Dr. Alan Deschere, Rohm & Haas member of Executive Committee; Leonard Brockman, executive secretary of the Executive Committee; Gen. Medaris; Stuart Jones, Executive Committee chairman. Back row: Stan Kreger, Ordnance Guided Missile School agency chairman; Lt. Col. Ernest W. Ewbank, Jr., OGMS member of Executive Committee; Charles Babcock, Thiokol agency chairman; Joseph Moquin, AOMC Headquarters agency chairman. Shown on table in foreground are some of the "Oscars" which were presented.

Religious Services

POST CHAPEL — Bldg. 3714

PROTESTANT

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

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

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

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

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

Wednesday — 1845 hours — Chancel Choir rehearsal.

CHAPEL No. 2 — PROTESTANT
Friday — 1930 hours — Chri-

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

Monday thru Saturday 1000-2200.

Sunday and Holidays 0900-2200.

LIBRARY OPERATING HOURS

Monday thru Friday 0900-2200.

Saturday and Holidays 1000-2200.

Sunday 1200-2200

CRAFTS SHOP OPERATING HOURS

Monday thru Saturday 1000-2200.

Sunday and Holidays 0900-2200.

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Saturday and Holidays 1000-2200.

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Sunday and Holidays 0900-2200.

LIBRARY OPERATING HOURS

Monday thru Friday 0900-2200.

Saturday and Holidays 1000-2200.

Sunday 1200-2200

CRAFTS SHOP OPERATING HOURS

Monday thru Saturday 1000-2200.

Sunday and Holidays 0900-2200.

Monday and Tuesday—Closed.
Wednesday thru Friday 1400-1630 and 1730-2200.
Saturday and Holidays 0800-1630.
Sunday 1230-1930.
RSA BOWLING LANES OPERATING HOURS
Mon., Wed., and Sun., 1300-2300.
Tues., Thurs., Sat., Hol., 1000-2300.

Friday 0900-2300.

League Play:

Friday 1300-1600 and 2000-2300
Monday thru Thurs., 1745-2300

GOLF DRIVING AND ARCHERY RANGE OPERATING HOURS

Sun thru Sat., 1300-1830.

POST GYMNASIUM OPERATING HOURS

Monday thru Friday 1030-2130

Saturday 0930-1700

Sunday 1300-1700 (The Gym

will be utilized by the Blood-

motive 10 and 11 December).

Boy Scout Troop 234 Sets Court of Honor

Tonight the Court of Honor for Boy Scout Troop 234 will be held in Bl. 118. The Court of Honor is the ceremony at which Scouts receive the awards they have earned in the last few months. The ceremony will last about an hour.

Guest speaker will be Col. Harry C. McClain. Col. McClain has recently assumed the position of Scouting Committee Chairman for Redstone Arsenal. The general public is invited to the ceremony and this applies in particular to the parents of Scouts.

Bl. 118 is next to the Scout Building, No. 114. Guides will be present to direct those attending to the meeting place. The meeting will be held at 1930 hours.

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For Your Family
And Friends...
And Yourself!

Christmas Gift! During the Christmas season, the spirit of giving prevails... bringing joy both to the giver and receiver of gifts and greetings...

Many of our members have been planning for Christmas — saving regularly for these extra holiday expenses.

Perhaps you were unable to save. But it need not dim Santa's spirit. Your Credit Union welcomes the opportunity to serve your credit needs—to help you have a joyful Christmas.

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OUR HOLIDAY LINE IS NOW COMPLETE!

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COME IN — ENJOY SEEING ALL THESE BEAUTIFUL GIFTS OF ASSORTED CANDIES... CHEESES... GOODIES... DELECTABLES, ALL SHAPES, SIZES AND PRICE RANGES.



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PRESCRIPTION SERVICE

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He Knows Us

BENTLEY DRUG CO.

Athens Pike on Jordan Lane

PHONE JE 4-1273

ALL WAYS RELIABLE

SOLDIER BEHAVIOR IMPROVES SHARPLY IN OVERSEAS AREA

HEIDELBERG, Germany — Behaviour trends of enlisted personnel within the U.S. Army, Europe, have recently shown significant improvement, according to the commander, General Henry I. Hodges.

General and special courts-martial, on a steady decline during 1957, took a sharper downward trend the last two months of the year. Incident rates, plunging about 10 per cent below those for the same months in 1956, were recorded during December as the lowest in the history of the command.

The December rate per thousand for civil incidents was 2.9; for military incidents, 6.1; for crimes of violence, 0.35.

Greatest improvement occurred in the last three months of 1957, immediately following the shipment of about 8000 personnel to the U.S. during October and November for discharge under the job performance potential program.

While the primary aim of this

SPORTS QUIZ

1. Who was the first Olympic boxing champion to win the world's heavy weight crown?

2. Could a baseball player hit a ball out of the park in fair territory—a home run—and be

program continues to be the elimination of soldiers lacking in ability to adapt themselves to the needs of a more modern Army, it is recognized that within the group being separated is a sizeable segment of "incident-prone" individuals who, if retained, could be expected to receive about 50 per cent of the administrative discharges issued by the Army, and to account for more than 50 per cent of persons in confinement.

The program is not a substitute for disciplinary action. Nevertheless, by the separation of "incident-prones" before they become disciplinary problems, the necessity for later courts-martial and other punitive actions in materially reduced and the overall level of efficiency and behavior is proportionately enhanced.

credited with only a single?

3. Who defeated Ezzard Charles in 1951 to win the world heavy-weight title.

4. What pro line had the best defensive record in the National Football League last year?

5. Who holds the world record for the mile run?

(Answers to Quiz)

1. Floyd Patterson, 1952 Olympic middleweight champ.
2. Yes, if there was a baserunner on first and the batter passed the runner before the runner was out. The batter would be out second. The runner would be out first and the batter passed.
3. Jersey Joe Walcott.
4. The Baltimore Colts held 12 runs.
5. Australia's Herb Elliott, 3:54.5, 1,74 yards per try.

Presentation Slated By Atlantic Research

A classified technical presentation encompassing recent and future programs by the Atlantic Research Corporation in the fields of solid propellant research and rocket development is scheduled for 9 a.m. to noon Wednesday, Dec. 10, in the AOMC Control Room, Bl. 4505, it was announced by Col. S. C. Holmes, AOMC Assistant Chief of Staff for Research and Development.

Personnel interested in attending should contact Mrs. Rhoda High at ext. 2619.

Representatives of the corporation who will participate in the briefing are: Dr. Arch C. Scurlock, president and director of technical operations of the firm

since its inception; M. Lee Rice, vice-president; Philip K. Reilly, Jr., assistant to the president; and Daniel A. McBride, manager, Pre-contract Engineering Group.

Safety Scoreboard

(As of Dec 1)

Days since last civilian disabling injury—30.	
Our Goal	45
Days since last military disabling injury—6.	
Our goal	30
Days since last contractor personnel disabling injury—35.	
Our Goal	75
Days since last government vehicle accident—6.	
Our Goal	30

Give CHINA For Christmas

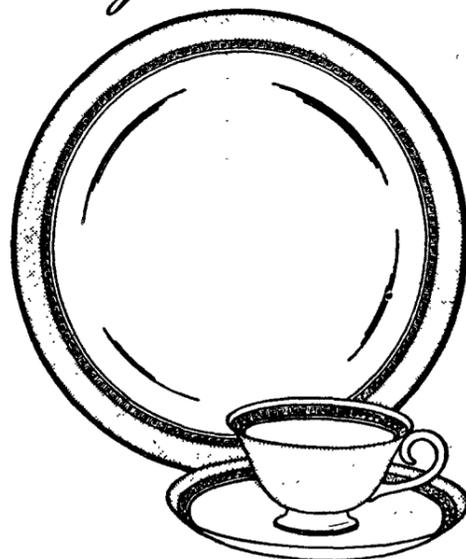


If it's fine...it's *Flintridge China*
Grecian Key

Timeless tradition, a perfect combination of antiquity with tomorrow, GRECIAN KEY is elegance in Flintridge translucent "Fine Ivory" china. A continuous pattern in gold and black, or encrusted platinum, enhanced by any Flintridge color band. A truly decorative yet restrained pattern for your home. GRECIAN KEY is available in either the rim or coupe shape.

\$22.00 each 5-pc. place setting.

See GRECIAN KEY and other distinctive patterns at your favorite FLINTRIDGE headquarters...



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20 Treatments — Only \$25.00

Buy Your Course of Treatments Now—or—Use Our Gift Certificates for Those You Love!

Stauffer System

Stauffer reducing really works!



Get in shape for Christmas

If you put your faith and figure in Stauffer System's hands right away, we'll have you slender for the holidays! You'll not only be lighter in pounds, but more slender in inches. And Stauffer gives you a lovely *lifted* posture... firmer tissue... and smooth, "close-fitting" skin. Phone for an appointment now—and enjoy the holidays with a new figure. Figure analysis and trial visit without obligation.

See Full Page STAUFFER Ad On Page 21 of Today's FAMILY WEEKLY

PHONE JE 6-4781 For Appointment

PARKWAY CITY

8 a.m.—8 p.m.—Mon. thru. Fri.

STAUFFER SYSTEM

from thoughtful you to thankful him

THE MOST WANTED
CHRISTMAS

It's our business to know what men like... and that we do!



Gifts

FOR HIM

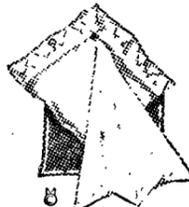
Oh Lady Be Good to Him... Choose Here!



Belts



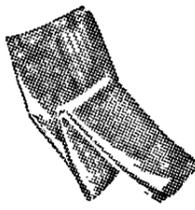
Neckties



Handkerchiefs



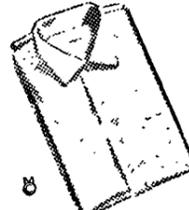
Knit Sport Shirts



Slacks



Dress Socks



Dress Shirt

ARNOLDS MEN'S WEAR

NO. 3 N. SIDE SQUARE

PHONE JE 2-5401

At the Service Club

SOMETHING OLD: Mairryn' Sam, Bob Taylor, assisted by Hairless Joe, Tom Golden, opened the Sadie Hawkins Dance Tuesday night by presenting dance cards to the girls and masks to the men.

Mairryn' Sam bedecked in a swallow tail coat, black stetson and complimented by a Smith and Wesson 38 started the mass confusion by a mighty blast from his hand cannon. Prizes were offered to the three girls with the most names of men she had danced with in an hour. Peggy Weems won the first place prize - a loving cup with "Hostess With The Mostest" engraved on it. Jo Carruba, Birmingham and Claudia McNutt, Birmingham, tied for second place winning jars of par-sarved turnips.

Drawings of Lil Abner, Daisy Mae, Mummy Yokum and the fleeing Dogpatch characters painted in fluorescent paint by Tom Golden were used as stage decorations. Much to the delight of the group "The Skunk Hollow" boy did not show up for the dance. A few authentic Dogpatch characters led by Br'er Hazard and his bunch, attended the "stomp".

John Strickland, Jim Farris, Jim Botsford and Gene Theiler assisted with the preparations for the dance. Don Pool did an excellent job with the lighting of the lounge and stage.

Mrs. Lee Jernigan of Butler High Schol brought her enthusiastic "Footlighters" to the Chili Supper Friday night. The students presented an excellent program and the presentation was well received by a large audience. Ginger Stevens, Jerry J. Mitzer, Mickey Pierce and Sandy James made up the Combo. Can Can from Moulin Rouge was well done by Carol Ewalt, Laura Albright and Dotty Lewis. Julius Caesar made the comedy routine by Wayne Sims and Merry Odom. The Calypso, a modern dance, was presented by Ginger Potievint. Mickey Pierce sang "Diana" and "Love is a Many Splendrous Thing". Last but not least Shirley and Glenn Hines gave their version of a Farce Apache Dance. The program was excellent and we hope Mrs. Jernigan will make another presentation soon.

The Talent Show followed by the Birthday Party was very successful Sunday night. From Anita's School of Ballet, Judy Turner was presented in a Romantic Ballet and Peggy Erskine presented a Ballet of Broadway from "Annie Get your Gun". These two girls are students of Mrs. Bainbridge, a Prima Donna, from Germany.

Other participants in the show were Tom Golden, Charlie Ad-

ams, Donald Pendleton, W. B. Bryan, Shirley and Glenn Hines, Mike McGarrity and Stanley Blakely. The Master of Ceremony was Bob Taylor. There was an enormous audience for the talent show.

SOMETHING NEW: The dance classes will begin on Jan. 7. We will have three classes: Fox Trot, Jitterbug and Tango. GIRLS - GIRLS, we need you for these classes. The classes have been filled except for girls and we would like to enroll 20 girls. Call the Service Club, ext. 4741, today for reservations.

Dec. 6th is an important date. **WHY?** There will be a Birmingham Christmas Shopping Tour, and following the shopping tour, the group will attend the Christmas Music Festival, and a Dance at the YMCA. Sign up today.

And on Dec. 6th the Six-Round Swiss Tournament will begin and will continue on Dec. 7th and 13th. All Redstone Arsenal Chess enthusiasts are invited to participate in the tournament. Contact Mike Schuman or the Service Club for further information.

Mark December 8th as the Dance of the Month. Tommy Dorsey Orchestra starring Warren Covington will be playing for the occasion. The dance will begin at 8 o'clock and continue until 12. Get your dancing shoes on because the Birmingham, Huntsville and Nashville Hostesses will be here early.

BINGO is off schedule next week because of the dance. We'll play BINGO on Wednesday Dec. 10 at 8:15 o'clock.

HELP! HELP! Santa needs help in Santa Land. We have many toys that need to be repaired be-



SIX MEMBERS OF THIOKOL Chemical Corp.-Redstone Division's staff recently received award letters and checks on the occasion of their inventions being filed for patents. Henry Nocke's award was for the invention of a new rocket motor cut-off device. Joseph Pelham's for a new rocket igniter; and Bob Van Roo's, Mitt Anderson's, Jim Berry's, and Bill Fiser's for the joint invention of a Plenum-Nozzle Thrust Spoiler. Left to right in photo are John J. Troynor, Redstone Division's Patent Coordinator; Nocke; Van Roo of Thiokol's Technical Liaison Office; Pelham, Chief of Test & Inspection Dept.; Anderson, Rocket Engineering Dept.; Berry, Rocket Engineering Dept.; Fiser, Chief of Pilot Lines; and Dr. W. M. Mebane, Redstone Division's General Manager who made the awards.

fore Christmas for the Huntsville Charities. Drop by the lounge and tinker with some of the toys. We have sufficient supplies and equipment for the repairs.

The Christmas Formal is scheduled for Dec. 18. The JUNIOR HOSTESS OF THE YEAR will be presented at the dance. Jimmy Thomas Orchestra will furnish the music for the dance.

COFFEE CALL at 8 o'clock every night. How about a cup? **FRANCES**

READ THE WANTADS

Thomas Simons Gets Commendation

Thomas A. Simons has been awarded the Army Commendation Ribbon with metal pendant for performance of duties while assigned as a Specialist Fourth Class at the Army Ballistic Missile Agency. Simons received his discharge from the Army recently and planned to attend graduate school at the University of British Columbia. The award was made by personal let-

ter from Brig. Gen. J. A. Barclay, ABMA Commander, in which he extended his personal congratulations to Simons for his outstanding accomplishments. The commendation cited Simons for meritorious service during the period from Feb. 13, 1957, until Sept. 3, 1958, during which time he served as a project engineer in the ABMA Industrial Division.

Dick: "I'm trying to avoid an argument—and all you do is sit there and say nothing."

WHY SETTLE FOR LESS THAN

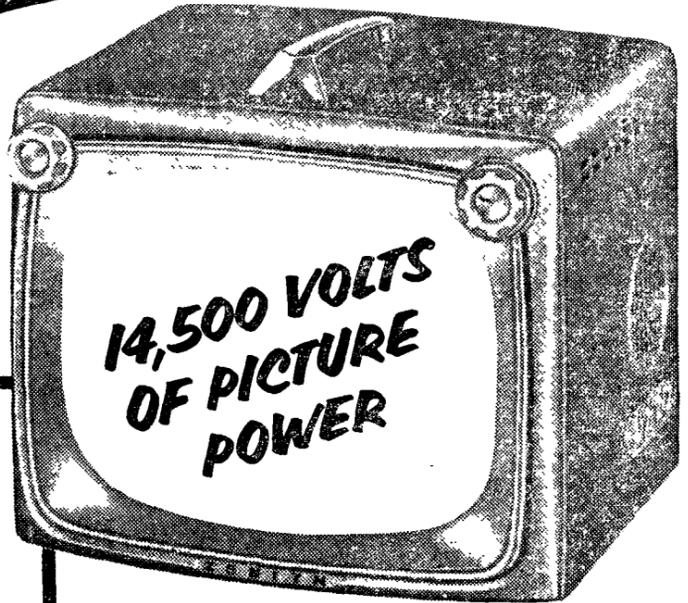
BIG SET PERFORMANCE

COMPARE AND SEE WHY THE

NEW '59 ZENITH QUALITY PORTABLE TV



IS AMERICA'S **BEST BUY** IN PORTABLE TV!

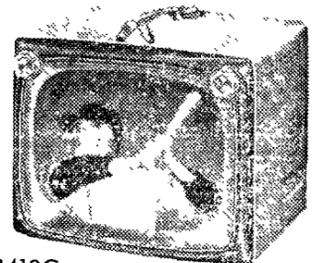


14,500 VOLTS OF PICTURE POWER

The Caravan Model B1410L

Trim, modern styling. 14" diagonal overall. 104 square inches of rectangular picture area. Metallic Sandalwood color.

NEW DECORATOR COLORS



The Sunset Model B1413G

Lightweight aluminum cabinet. 14" diagonal overall. 104 square inches of rectangular picture area. Featuring exclusive, built-in Wave-magnet® Antenna. Rich Persian Gray color.

BEST BUY

"Service Saver" Horizontal Chassis **NO PRODUCTION SHORTCUTS MEAN LESS SERVICE HEADACHES!**

Zenith TV Chassis have no printed circuits which cause breakdown. All wiring is handcrafted for long, trouble-free service.

BEST BUY

14,500 VOLTS OF PICTURE POWER

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MRS. SHELBA BROWN is presented a gold lapel pin which commemorates her election to membership in the Wise Owl Club of America. The award is being made by Harold Rush, as Dr. James A. Farr, Dr. W. M. Mebane, and Dr. T. A. Neely wait to offer congratulations. Pictured left to right: Farr, Mebane, Mrs. Brown, Rush, and Neely.

THIOKOL'S MRS. SHELBA BROWN BECOMES WISE OWL CLUB MEMBER

Mrs. Shelba Brown, a chemist in Thiokol Chemical Corporation — Redstone Division's Chemical Research Department, has become the 190th woman member of the Wise Owl Club of America.

The Wise Owl Club is sponsored by the National Society for the Prevention of Blindness and its membership is composed of individuals who now have their eyesight because they had the wisdom to wear protective eye wear.

On August 29, Mrs. Brown was engaged in her daily work as a research chemist when a potentially serious accident occurred. She was using a separatory funnel with a mixture of carbon disulfide and boron. She was shaking the funnel and the pressure of the very powerful chemical mixture sprayed the left side of her face. The mixture was strong enough to cause second degree burns on her lips, but her eyes were saved by the special protective goggles she was wearing.

All members of the Wise Owl Club have been involved in industrial accidents which could have caused blindness if adequate protection had not been worn. There are approximately 15,600 persons who have been elected to membership in the society. Mrs. Brown is the fourth Thiokol employee to attain membership.

Mrs. Brown received recognition at a recent meeting of the Chemical Research and Development and Technical Services Department at Thiokol's Redstone Division. She was presented with a handsome engraved plaque and a gold lapel pin in the shape of a tiny "wise owl." In addition to the presentation which was made by Harold Rush, Director of Safety Education, Promotion, and Analysis, a short congratulatory statement was made by Dr. W. M. Mebane, Thiokol's Redstone Division General Manager.

Daffynition: Family—a group of people who own keys to the same house.



H. J. McSHERRY

H. J. McSherry Is Week's 'Safe Worker'

"The Safe Worker of the Week" is Hiram J. McSherry, Stock and Tool Keeper, Supply Branch, OML, ARGMA, the RSA Safety Division has announced.

McSherry was recommended by his supervision based on the highest type of job performance and his years of accident-free work at the Arsenal.

McSherry is native of this area and a long-time employee at Redstone. He was originally employed at Redstone in 1942 and except for time in the Army during WW II, and a short break in service in the late '40's, he has been employed here continuously. He was born in Limestone County, attended Elkmont School, and now lives at 329 Shaw Street, Athens. He is married to the former Edna Hughes and they have a two-year-old son, Micheal

James, of whom they are naturally very proud.

McSherry's main reason for avoiding accidents is his desire to enjoy living and the things he likes to do most. He is a very ardent hunter and fisherman and only this past summer he won a jackpot prize of \$36 for catching the biggest fish on a deep-sea fishing expedition.

McSherry has never lost a day from work anywhere because of an accident.

"When a woman lowers her voice it is a sign she wants something; when she raises it, it's a sure sign she didn't get it."

—Old English Proverb

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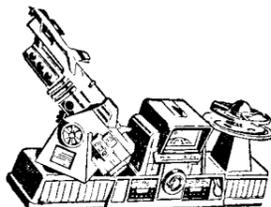


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UGF 'OSCAR' FOR ARMY CONTRACTOR—Brig. Gen. J. G. Shinkle (left), Commander of the Army Rocket and Guided Missile Agency, presents a Redstone United Givers Fund "Oscar" to a group of Raytheon Manufacturing Co. employees at the Arsenal for their outstanding participation in the recently concluded Redstone UGF drive. Accepting the award is Maurice Jennings, who is Raytheon Director of the Key Personnel School, Research and Development Division, ARGMA. Looking on are Jack Balch (second from right), who served as ARGMA chairman during the UGF campaign, and Curtis Williams, Chief of the Technical Training Branch, R&D, ARGMA, who served as R&D Chairman for UGF. "Of all ARGMA groups, perhaps the best job in the campaign was turned in by the Raytheon group," Balch stated, adding that they were "fastest with the mostest." The 36 Raytheon instructors contributed a total of \$943, including a gift of \$75 from the Raytheon home office in Bedford, Mass. The group's "Fair Share" participation amounted to 131 per cent. In background of photo above is model of Army's Hawk missile, for which Raytheon is prime contractor and in which Raytheon instructors are presently conducting Key Personnel courses at the Arsenal.

RETURNED HERE FOR STUDY

Expanded Redstone Boosters Recovered From Caribbean Floor

Several expended booster sections of the Army's Redstone Ballistic Missile have been recovered from the shallow waters of the Caribbean Sea and studied by scientists and engineers of the Army Ordnance Missile Command to help find out how the huge motors performed in flight.

A total of five such unique "sunken treasures" have been brought up from the ocean floors—averaging only about 12 to 15 feet in depth—near the hundreds of tiny downrange islands off Cape Canaveral, Fla.

The Army last week launched its final Redstone missile in the research and development flight test program which began more than five years ago. A liquid-propelled surface-to-surface missile capable of transporting nu-

clear or conventional warheads against targets up to 200 miles away, the Redstone has also formed the main stage of the Army's satellite-launching Jupiter rockets. It is now in production by Chrysler Corporation.

While the nose cone or warhead portion of the missile streaks on in to the target area, the burned-out booster or power plant section—which is about 40 feet long and six feet in diameter—drops short, into a precalculated spot along the trajectory. The impact point is surveyed and aircraft spotters are sent out to search for the big metal shells, which in these slight depths can be easily seen from above.

Then two small motor launches are directed by the aircraft spotters to the area, where skin divers go overboard, fix grappling hooks

to the battered motor casings, and they're hauled up.

In cases where silt is so heavy as to make visual spotting of the booster difficult, the boats drag the area with a 200-foot-long cable until they "catch" something. It isn't always a booster they snag, and like any other frustrated "fisherman" the searching party sometimes snarls its lines.

Recovery of the missile motors is performed as a part of the service of the Atlantic Missile Range.

Recovering an expended booster section is quite a different thing from bringing back a missile nose cone, and is a much less involved project. Whereas the warhead must arrive intact in the target area to be effective, the booster has done its job in simply propelling it there—and it falls behind, un-needed, usually ending in a crumpled, tangled mass upon impact. Boosters are not ordinarily intended to be recovered and of course none of the elaborate recovery apparatus—such as parachutes, balloons, locator lights, shark repellent, etc.—is built into the booster, as it is in the case of a nose cone which is to be recovered.

Anyway, the divers "pick up the pieces"—large and small—of the power plant, to be crated up and shipped back to the Army Ballistic Missile Agency's laboratories in Huntsville. The Missile Agency, an element of the Army

Ordnance Missile Command, developed the Redstone.

Here, the expended booster sections are available for study and analysis as needed by missile scientists and engineers of any of the Agency's several different labs, such as Structures and Mechanics, Systems Analysis and Reliability, and Fabrication and Engineering.

Study of the recovered motors is especially valuable in the event a firing has been considered less than completely successful (even though carrying most of its intended distance) or if telemetering devices attached to the missile at launching to record certain vital data have failed to provide sufficient information.

If the firing has been entirely successful, the missile-makers are not so much interested in recovered engines, since it's evident they functioned properly.

One of the main things which can be learned from recovered booster sections is a seemingly simple, but most important fact—how good was the welding in the huge metal vehicle? "We just want to see how well the structure stood up," as one AOMC official, James T. Sawyer, puts it. Sawyer is Chief of the Experimental Structures Section of the Structures and Mechanics Lab.

"Our people here at ABMA can learn such things, for example, as the effect of engine exhaust temperature on the tail section—whether anything burned away or buckled from the heat. We're also interested in the valves, pumps, and turbines—in seeing what condition they're in after a full duration run. We might find clues as to the effects of vibration on certain components."

In addition to the engine sections which have been brought to the ABMA labs for analysis, parts of another are on exhibit at the Ordnance Guided Missile School for its soldier-students to study.

And the fifth of the recovered

Redstone boosters might possibly someday wind up in the Smithsonian Institute. The Missile Firing Lab of ABMA is holding one in storage at Cape Canaveral, and is considering offering it to the famed Washington museum for public display as an item of historic interest.

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On

DECEMBER 29, 30, and 31

FOR CALCULATION OF DIVIDENDS

Mail payments received, or payments to representatives during this period, will not appear on your fourth quarter statement. They will be posted to accounts in January, giving credit for mail payments as of the date actually received by the Credit Union. Credit for payments to representatives will be given for the date actually paid to the representative.

Holidays observed by the Arsenal will also be observed by the Credit Union.

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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 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.

AUCTION SALE! Our next surplus and salvage sale will be held Friday, Dec. 7 at 6:30 p.m. There will be plenty of good used furniture, appliances and other useful items at your own price. Prizes will be given all during sale. (Use your Cents to Save Dollars). **WAREHOUSE SALES CO., Four-lane drive—city limits. 1tc**

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FOR SALE — Production type power tools, like new drill press band saw, wood lathe, paint sprayer, 2 stands and electric motors, extra drill press assortment available, \$225.00. Can be purchased separately. Phone Redstone ext. 4472 or JE 6-6309 after 6 p.m. **1tc**

FOR SALE — Two modern 3-bedroom homes 1 mile west of Athens on new 72 highway just outside city limits. Terms can be arranged. **R. E. MASSEY, Phone Athens day 9156, night 926W3. 12-12c**

FOR GRACIOUS COUNTRY LIVING — Spacious modern brick home on 1½ acres, located 16 miles from Redstone near high school and shopping district. This is for anyone who wants quality, built by a building contractor for own home. For further information call New Hope BR 3-4773. **12-19c**

FOR SALE — Beautiful hand crocheted bedspreads. Call **MRS. POLK, JE 2-8705. 1tp**

FOR SALE — 1954 Ford Convertible, black, new tires, Fordomatic, radio, heater. Asking \$550.00. Call **JE 6-9384. 1tc**

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FOR SALE — Mahogany dining room suite, Duncan Phyfe drop leave table with three leaves, six Hitchcock chairs, six drawer buffet, good condition, Ext. 7043. **1tp**

FOR SALE — 1955 Plymouth Savoy 4-dr. sedan, heater, automatic transmission, \$850.00 or best offer. Phone **JE 6-4814. 1tp**

FOR SALE — Five room house, garage and barn on 1½ acres of land two miles east of Hartselle. **W. R. PATTERSON, Pho. SP 3-7394. 12-25c**

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Purchase of Toys For Children's Yule Party Is Completed

Purchase of toys for the Children's Annual Christmas Party at Redstone Arsenal was completed last week in preparation for the Dec. 22nd event.

Dependents of all Arsenal military personnel ranging in age from infants in arms up through children nine years of age, residing either on or off post, are invited to attend. This includes dependents of NATO troops stationed at the Arsenal.

No reservations are required for the party, which will be divided alphabetically into four groups. Children whose last names begin with A through D will attend at 9:30 at the Rocket Auditorium. Those with names E through J will attend at the same time at the Post Theater. Two more simultaneous parties will take place at 1:30 p.m., with K through R at the Rocket Auditorium and S through Z at the Post Theater.

Bus transportation from the various housing areas will be furnished for both parents and children.

The program will include taped Christmas music, movies, and the presentation of gifts.

Mrs. Melvin Collins was in charge of the selection and purchase of gifts for the party and was assisted by Mrs. Harry Bullard, Mrs. Robert Clonce, and M-Sgt Allen Helson.

The Annual Christmas Party is sponsored by the Arsenal's Joint Activities Council through its Special Projects Committee.

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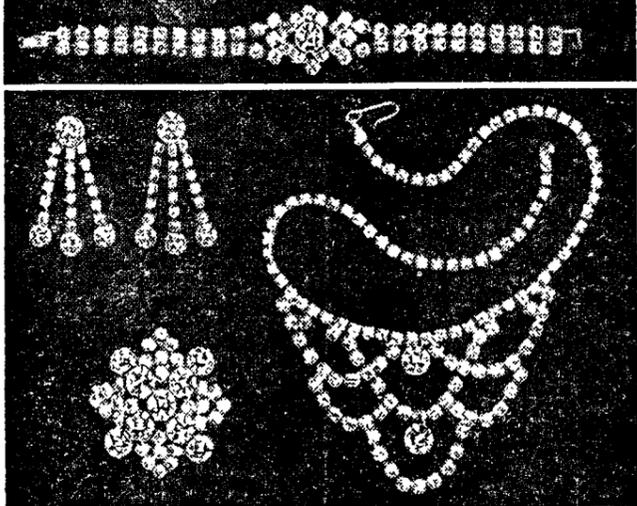
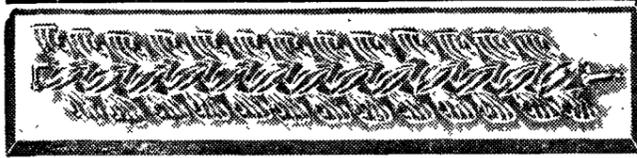
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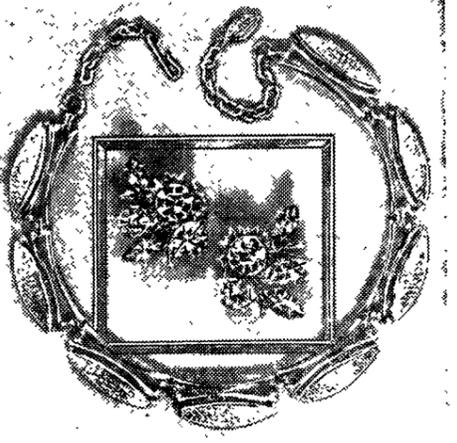
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BY HARRIS ELLSWORTH
Chairman, U. S. Civil Service
Commission

WASHINGTON, D. C.—Over one million employee ideas for improving Government operations. That's the impressive total of suggestions made by Federal employees in the 43 months since the Government Employees' Incentive Awards Program began in November 1954.

All Federal workers can feel justly proud of this tremendous testimonial to their deep interest in achieving greater efficiency and economy in Government operations.

The passing of the 1-million mark in employee suggestions during fiscal year 1958 highlighted another year in which new annual records were set in both phases of the incentive awards program—suggestions and superior performance.

Ingenious employees during the year ending June 30, 1958, submitted 332,663 suggestions for improvement—the highest number for any year. A record total of 86,325 of those suggestions were adopted and used to improve operations.

Superior performance and outstanding achievements beyond job requirements in 1958 resulted in a new high of 52,600 superior performance awards granted to employees.

This splendid record demonstrates dramatically how Federal workers are meeting the important challenge posed by President Eisenhower earlier this year. The President, in a message to the heads of departments and agencies, said in part: "Never has there been a more vital need for new ideas and superior performance in all fields of endeavor."

This past fiscal year EVERYONE benefited from the constructive ideas and superior job achievements of employees. The American people benefited to the

tune of over \$120 million in measurable improvements in Government operations. Our Government benefited through better use of its most important resource—people—and through greater efficiency, higher productivity and reduced costs. And employees benefited, too. They received more than \$10 million in cash awards, plus personal recognition. All told, Federal workers have earned over \$27 million in cash awards for their good ideas and superior job performance since the program's inception in 1954.

The top individual cash award

for 1958—\$7,540—was earned by William E. Schaem, a structural engineer with the Department of the Army. He proposed a practical and economical method of reinforcing rigid concrete roof girders of structures by adding high-strength steel bands similar to those used for reinforcing packing crates. After thorough tests were conducted on this novel method, it was approved by the American Concrete Institute. Mr. Schaem's outstanding accomplishment has saved the Army \$6 million in construction costs.

Of course, not many of the

Cash awards earned by employees are in this category. More typical is the case of Gerald Welch, a wood-container maker at Norton Air Force Base, San Bernardino, Calif. He suggested that a portable conveyor belt be used in the process of unloading boxes and crates from railroad cars. His idea now permits a 3-man unloading crew to do the job in half the time with half the effort, and more safely, too. Savings to the Air Force from this better way were not tremendous—\$800 the first year—but the suggestion clearly contributed to

stretching the defense dollar. And it resulted in a cash award of \$60 for Welch.

I am sure that there are many thousands of untold ideas for "doing things better," like those of Schaem and Welch, in the minds of Federal workers everywhere. The incentive awards program provides all Federal employees with the encouragement and the opportunity to voice their ideas and contribute their best efforts, to help Government meet the serious problems of these changing times.

Columbia U. Alumni Honor Gen. Medaris

The Michael I. Pupin Award, in memory of one of the great engineering teachers of Columbia University, was presented last night to Maj. Gen. J. B. Medaris, Commanding General, Army Ordnance Missile Command, by the alumni of Columbia's School of Engineering.

The presentation took place at a dinner arranged by the alumni at which Gen. Medaris was the principal speaker.

Gen. Medaris told his audience that engineering will carry much of the responsibility as mankind moves forward into the Space Age. "Events of the past year must have convinced the most reactionary mind," he remarked, "that human existence will never again be quite the same. It is our task to attempt to facilitate man's adjustment to and understanding of a totally new environment. In the process of that adaptation, there will be far-reaching effects upon his earthly existence."

Santa Has 'Arrived' At Post's Toyland

Santa Claus has already "arrived" at the Arsenal's Post Exchange Toyland, reports Maj. David Robinson, PX Officer.

Old St. Nick delivered carload after carload of bright new toys, he adds, — such things as dolls, games, bicycles, kiddies' uniforms (like cowboy suits and nurses' outfits), missile replicas, and hundreds of others.

Santa's "helpers" (also sometimes known as "parents") are invited by Maj. Robinson to come by the Toyland Shop (Bl. 3637) across the street from the Main PX, and see for themselves what Santa turned out in his North Pole workshops this year.

Toyland is open 9:30 a.m. to 5 p.m. Monday through Friday, and 9:30 a.m. to 2 p.m. on Saturday.

Rhymes of the Times



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NEVER OFFEND
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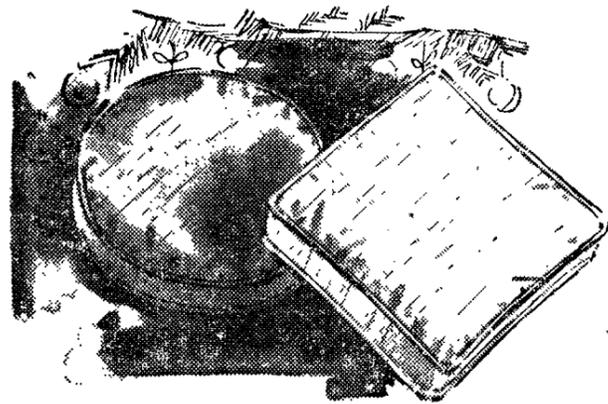
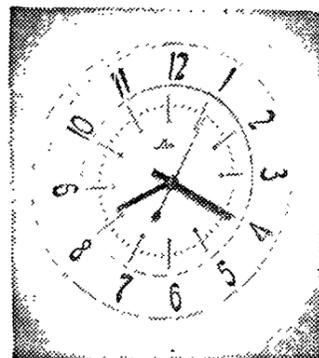
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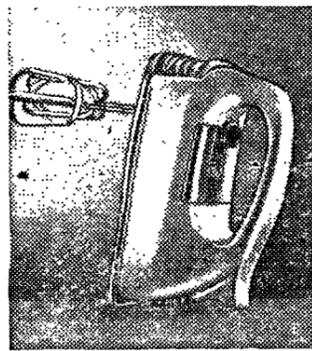
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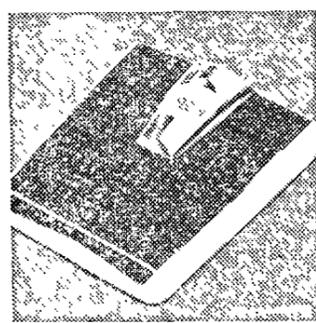
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