

The Redstone Rocket

VOL. V; NO. 11

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

JULY 3, 1956

Ammunition Division Ceases All Activities

\$3 Million Contract Awarded On Jupiter

A \$3,175,000 Army Ordnance contract has been awarded Chrysler Corporation for engineering and production work on the Army's new Jupiter guided missile, now under development by the Army Ballistic Missile Agency.

Most of the work on the deadly surface-to-surface ballistic missile will be done at the government-owned Chrysler-operated plant near Detroit. A considerable amount of sub-contract work will be done in other national plants.

This artillery-type, intermediate range ballistic missile (IRBM) will have a range in the neighborhood of 1,500 miles and will be rugged enough to stand the strain of rapid transportation.

The Navy has been working jointly with the Army on the Jupiter project to the extent of adapting the missile to ship launchings. Chrysler has done some work on the Redstone missile, which has served as a basis for the development of the Jupiter.

Delineating the Army and Navy's roles in a recent statement before a Senate sub-committee, Maj. Gen. John B. Medaris, AB-

MA commander said, "In 1955 all three services made proposals for the development of a 1,500-mile missile. On the 8th of November, the decision was made by the Secretary of Defense and one project for a 1,500-mile missile was assigned to the Air Force for a land-based version. One project was assigned jointly to the Army and the Navy with respective responsibility of the two services delineated. He said the Army would be responsible with its skilled crew and background of experience for the development of the missile system, and the land-based application as an alternate to the Air Force project. The Navy would be responsible for the development of the ancillary equipment and adaptations required to make the missile usable from shipboard, the Army to be strictly charged with bringing the missile on in such a way that it could be used from shipboard. And that is a very important element of our development work today."

ENDS 14 YEARS OF OPERATION

Was Top Producer Of Chemical Ammo

After 14 years of continual operation, Redstone Arsenal's Ammunition Division — which was the biggest producer of chemical ammunition used by the Armed Forces in both World War II and the Korean War — has "gone out of business."

The huge ammunition-manufacturing facility — capable of turning out over a million items per month — was officially closed down last week, leaving this Army Ordnance installation free to devote its efforts exclusively to the new and vital field of rockets and guided missiles.

The Ammunition Division's workload had steadily decreased since the end of the Korean fighting and the unit, which employed as many as 2,000 people during periods of wartime mobilization, listed only 275 on its payroll on the closing date. Nearly all of these are accepting positions open in other activities of the rapidly expanding Arsenal, which now employs some 8,000 civilians.

John H. Hyer, division chief and a veteran of some 18 years in the ammunition field, has transferred to the Project Management Staff of the Rocket Development Division as a production specialist.

Certain units of the Research and Development Division and Ordnance Missile Labs are moving into Building A-156, the former Ammunition Division headquarters. These include the Administration and Management Office, Contract Administration, and Technical Intelligence.

Production by the Ammunition Division began on March 28, 1942, only six months after construction of the Arsenal got underway. From that time until August 14, 1945, the official date of receipt of the Japanese surrender request, the output of munitions at Redstone broke record after record. At the most critical period of World War II, an average of 20 carloads of finished ammunition was shipped daily, involving the handling of 3,000 tons of war materials per day. On many days, as high as 50 carloads were shipped.

The overall number of separ-

Col. Elias Retires; Napper Heads FSD



COL. PAUL ELIAS

The Field Service Division has a new chief.

He is Lt. Col. Frank E. Napper, who took over from Col. Paul Elias on July 1. Col. Elias retired from the Army and will move his family to Detroit, Mich.

On June 29, a retreat parade was held in honor of the colonel's retirement. He came to Redstone in March, 1954, following a tour in Japan as the deputy Ordnance officer for the Armed Forces Far East.

Col. Napper comes to Redstone from White Sands Proving Ground, where he was chief of the Systems Test Division.

The colonel has had three different tours of duty overseas. In 1942 and 1943 he was in North Africa and the Middle East. In 1943 he went to Europe for his first duty there. Then, in 1951, he returned to Europe for two years.

Col. Elias' overseas tours have been mostly in the Pacific. He was 8th Army Ordnance officer for General James Van Fleet in Korea and has served in Hawaii, the Philippine Islands, Panama, and Japan. He was in Europe in 1944-45.

Col. Elias was awarded the Legion of Merit, the Bronze Star, and the Commendation Ribbon with two clusters during his service which began upon graduation from the United States Military Academy in 1929.

The colonel has a doctor of engineering science degree from New York University. During his undergraduate days, he played tackle for the Army team at West Point.

Apprentices to Go To Mississippi Meet

The Apprenticeship Committee has selected two outstanding apprentices to attend the Eighth Annual Apprenticeship Training Conference at Biloxi, Miss., on 5, 6, and 7 July. Johnnie F. Lyle, a

(Continued on Back Page)

could never happen to us, but we'd best be careful because we might run head-on into someone who was thinking the very same thing.

Post Spelunkers Spend Spare Time Undergr'nd

(Photo Inside)

They spend their duty hours with their "heads in the clouds," concerned with rockets and guided missiles—but for a hobby, they like to go underground. They're the 15 Arsenal employes and servicemen who belong to the Huntsville spelunkers (cave explorers)—and, in fact, comprise about 75 per cent of that group's total membership.

The official name of the local outfit is "The Huntsville Grotto." It's a chapter of the National Speleological Society.

Besides making up the bulk of the membership, Arsenal personnel hold the five top offices.

President is Dr. C. A. Lundquist, of the Research Projects Office, Development Operations Division, Army Ballistic Missile

Agency. Vice-president is Linwood Varney, of the Ordnance Guided Missile School. Secretary-treasurer is W. W. Varnedoe, Jr., Launching & Handling, DOD, ABMA. Phil Zettler-Seidel of the Aeroballistics Lab, DOD, ABMA, serves as representative to the regional association. And property custodian is Tom Hooper of RSA.

The Huntsville spelunkers meet the second Monday of each month at 7:30 p.m. in the basement of the Huntsville Public Library.

Safety is emphasized by the local "cave-men" at all times. For instance, here are four cardinal safety rules: (1) Carry three independent sources of light into a cave. (2) The light must be good for at least 12 hours. (3) Never

(Continued on Back Page)

'Small Fry' Rocket Set For Infantry Debut

BY JOE JONES
Public Information Office

The mighty mite of missiles—the world's tiniest rocket—has cleared the final hurdle at Redstone Arsenal and will soon be placed in the hands of infantrymen for field testing.

The now-famous midget in Redstone's missile family, tenderly called "Small Fry" by those who know her best, reached the pinnacle of her workouts on the arsenal's testing ranges last week.

The findings: Successful in every respect.

Shortly Small Fry will make her infantry debut at Ft. Benning, Ga.

But, owing to her vast popularity as a showpiece hereabouts, there's better than even chances that the pencil-length projectile will continue to make the Alabama-Tennessee civic club circuit having already been exhibited nearly 100 times by Redstone speakers in slightly more than a year.

The little one is actually an inexpensive practice round for a 3.5" Bazooka. Only 8-3/4 inches long, the rocket can be manufactured for \$2.50 in comparison to about \$30 for a real-life Bazooka round. It has the same trajectory as the longer rocket for which it

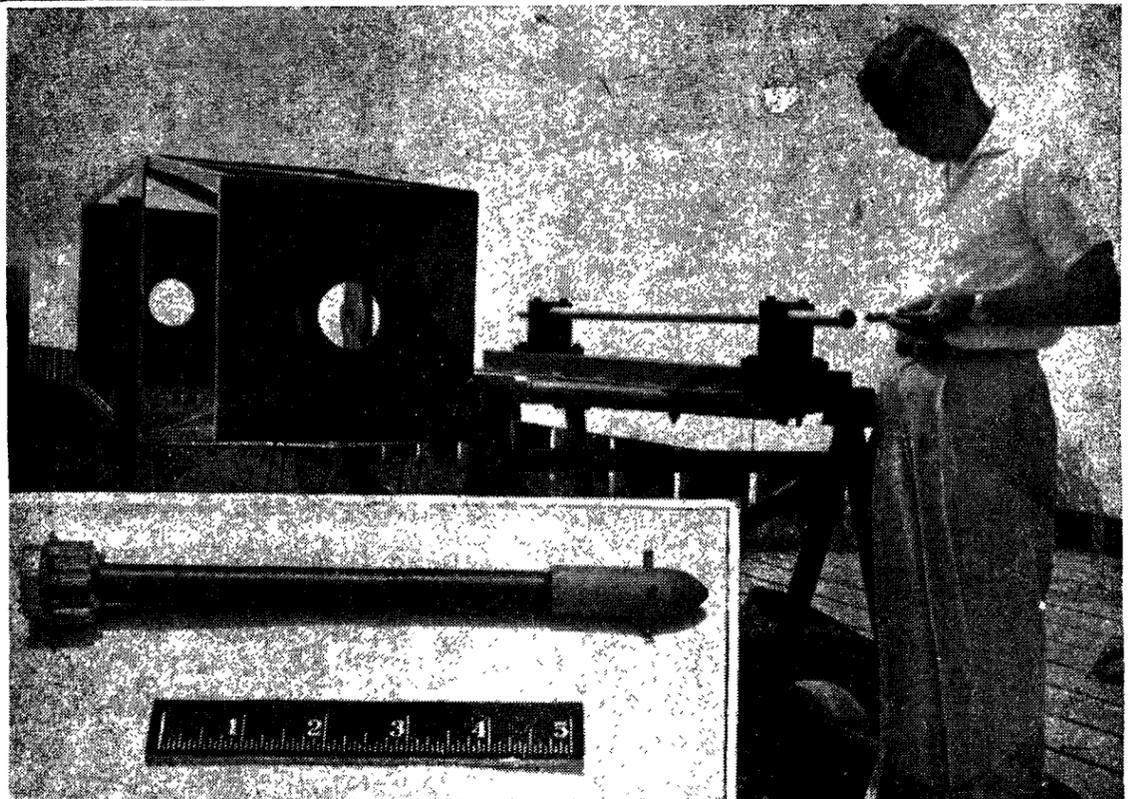
even more accurate, according to the men who have conducted the tests.

Small Fry, using a smaller amount of the same mixture which propels the regular Bazooka rocket, is accurate 300 yards or more. It has a "spotting head" containing ordinary flash powder which explodes with brilliance and blast when it hits the target, allowing the troops in training to check their accuracy.

(The 3.5" Bazooka, of course, is a personnel-type, anti-tank weapon which is fired from the shoulder, a successor to the Bazooka of World War II fame.)

The tiny practice round was developed by Rohm and Haas, here and tested by the Rocket Development Lab of OML. Last week more than 200 rounds were fired in environmental tests on Range No. 4. This final testing included the same type exacting performance required of larger, more expensive rockets: dropping, freezing, heating, vibration, etc.

Back in the earlier phases of Small Fry's testing, someone hit on the idea of rigging the midget into a permanent exhibit and displaying it—and firing it—at public meetings where Redstone scientists were speaking.



"SMALL FRY" TESTS COMPLETED—The world's smallest rocket, developed at Redstone, has undergone its final tests at the arsenal and is soon to be delivered to the infantry for field tryouts. Above, test engineer Ray Turner is shown placing the midget in a launcher on Range No. 4 where environmental tests were conducted. The inset at lower left shows a close-up of the 3.5" rocket.

The Redstone Rocket

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

The Rocket is NOT an official or semi-official Army or Ordnance Corps publication. Policies and statements collected in the news and editorial columns represent the views of the individual writers and are not necessarily those of the Department of the Army, the Ordnance Corps, or Redstone Arsenal. Appearance of advertisements in the Rocket does not constitute an endorsement of the advertising matter by the Department of the Army, the Ordnance Corps, or Redstone Arsenal.

The publisher will receive editorial content for publication in the Rocket only through the Public Information Office, Redstone Arsenal, Bldg. A-101, Extension 2212 or 2704. All advertising copy and payments therefor are received by Mrs. Zilla Newsome, 308 E. Holmes St., Huntsville, Ala., telephone JE-44701, as representative of the publisher.

The Redstone Rocket is distributed free of cost to personnel at Redstone Arsenal. Mailing rates for the Rocket are \$3 a year, or \$1.75 for six months. Mailing arrangements may be made with the publisher.

Ends 14 Years

(Continued From Page One)

ate units loaded and assembled for shipment was 45,204,100. This was made up of five general classifications: burster charges (used in chemical shells, bombs, and grenades for dispersing the smoke or gas on the target); chemical mortar and artillery ammunition; rifle grenades; and demolition blocks

Total production of bursters during War II amounted to 14,233,000. Chemical artillery ammunition produced in this period totaled 11,605,800 rounds of 75 mm, 105 mm, and 155 mm. The important infantry weapon, the 81 mm mortar, was supported in combat with a steady flow of ammunition from Redstone. The totaled produced, all of white phosphorous variety, was 3,615,000.

A smaller member of the production family was the rifle grenade, vital to the individual soldier in battle. This grenade filled with smoke, either colored or white, had a variety of applications, such as signaling aircraft for assistance, indicating actions to observation posts, and the blinding of enemy machine-gun nests before assault by foot troops. Total production of all type of grenades at Redstone had reached 3,288,000 on Aug. 14, 1945.

The manufacture of demolition blocks, for use by Combat Engin-

eers and parachute troops primarily, totaled 11,756,000 units during the war. A number of other items were produced on a smaller scale; for example, the 30-pound, 100-pound, and 115-pound serial bombs, in the total amount of 706,300 units. The 76 mm round was also turned out in smaller quantities.

At the end of World War II, Redstone Arsenal was one of the few remaining industrial arsenals being operated with government personnel. Following cessation of hostilities in August, 1945, ammunition activities was greatly curtailed. All ammunition schedules were cancelled, and production ceased on Aug. 17.

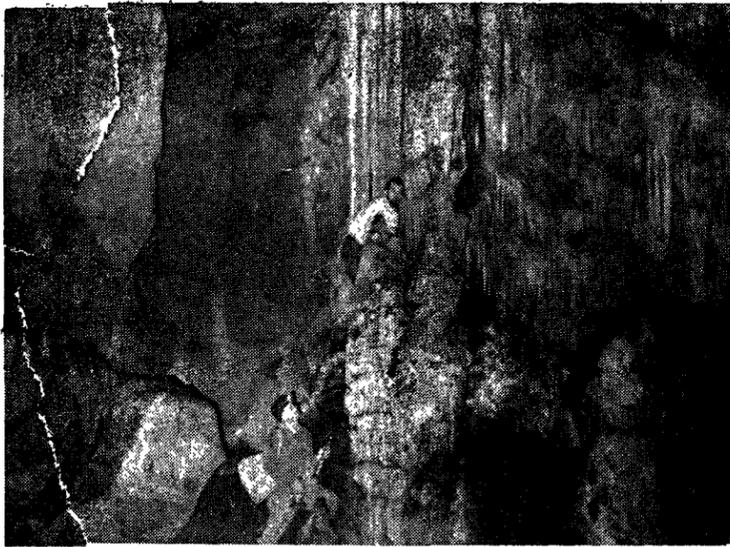
Between 1945 and 1950, most of the division's work involved renovation of shells returned from overseas.

With the beginning of the Korean Conflict in June, 1950, explosive items were once again put into full scale production and continued for several months after the cease-fire order was issued in July, 1953.

During the year 1953 alone, the Ammunition Division assembled over 15 million units, or well over 100,000 tons of ammunition. This is the equivalent of about 3,000 box-cars (over fifty 60-car trains, or a full train each week of the year). In producing this tonnage, it was necessary to handle (load and/or load) approximately 200,000 tons of supplies, which were shipped in nearly 10,000 commercial trucks and 1,650 railway cars.

Over 20 acres of covered storage, made up of some 250 units, were utilized in storing this material.

Since the Korean War, major items produced — for filling



ARSENAL 'CAVE-MEN' IN ACTION—Shown clambering about inside a cave are two of the Arsenal's 15 "cave-men", or spelunkers—members of the Huntsville Grotto of the National Speleological Society. At bottom is Dr. C. A. Lundquist, and midway up the column is Paul Kane. Arsenal personnel make up about 75 per cent of the total membership of the local cave-exploring group.

AREA TOWNS COOPERATING IN DRIVE TO GET ARSENAL PERSONNEL HOUSING

Cities and towns surrounding Redstone Arsenal are cooperating in a concerted effort to locate rental housing facilities for incoming civilian and military personnel at the arsenal.

Representatives of the Redstone housing office and public information office are now in the process of contacting chambers of commerce and similar organiza-

tions in nearby communities and requesting them to establish their own house-listing programs.

R. G. Riley, the arsenal's newly-named housing coordinator, said a total of 35 family units were listed—and most of them rented—in the first week of the drive.

Save Lives!

Drive Safely

On July 4th

They are located in Decatur, Athens, and Scottsboro, Ala., and Fayetteville, Tenn.

The house hunt is soon to be extended to Arab, Cullman, and Hartselle, Riley said.

The housing coordinator emphasized that only family units are needed at this time. A recent campaign by the Huntsville Chamber of Commerce and Business and Professional Women's Club turned up more than 300 units in that city—most of them single rooms — thereby relieving the pressing need for individual accommodations.

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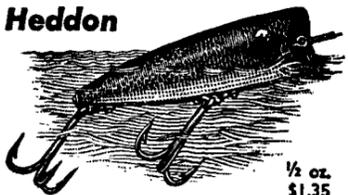
DETACHMENT "A"
(9330 TU)
By Rowb

M/Sgt. Greenwood is offering a reward for one new size 10 loafer lost in the vicinity of the Tennessee River. Sgt. Greenwood (he was on leave) and friend found it necessary to have a go at swimming when their boat liquified beneath them. The friend remains anonymous since it would prove embarrassing for it to be known he was in the water on an "odd day". Anyway, let's hope that next time Huck and Tom go out they keep away from tugs.

John Sarkisian was overheard asking Sgt. Johnson for another locker in which to keep his camel. It seems he just received his



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1/2 oz.
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—talks to the big ones!

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Precedent does not call for mentioning retiring columnists, but it is nice to note that SP3 Warren Le Mon is leaving for a European tour.

Huntspatch is being squeezed so tightly by housing problems that new "off-posters" will soon be forced to rent rooms in the barracks.

The golfing world has another "Hogan" scorching up the links. This time it is in the person of SP2 "Jolting" Jim Hogan who stroked his way to the second flight finals of the Post Golf Tournament.

Prediction — Ocean Perch will be virtually extinct by 1960.

Our softball contingent has been steadily improving mainly by virtue of some really fine pitching by Pvt. John Ruscoe. Play has been picking up and excellent games may be seen by anyone dropping over to Linton Field on weekday evenings.

R.I.P. — Both Tom Salonia and Chuck Recka are planning early July nuptials. Congratulations.

There is an exciting new publication soon to come off the presses entitled, "The Easy Way to High P-T Scores". Keeping one's own score, which seems most obvious, is not granted even passing mention. Since most of us are at best armchair athletes, a special test would yield the best results. For example, replace sit-ups with sit-downs and cut down the 300-yard run to the distance from the barracks to the bus.

Save Lives!
Drive Safely
On July 4th



MAJ. WALTER W. FRANCK

**MAJ. FRANCK IS
NEW CLUB OFFICER**

Major Walter W. Franck recently arrived at Redstone Arsenal to serve as Club Officer. He came to Redstone from Giessen, Germany, where he was Chief of Excess Property, Facilities Br., Giessen Quartermaster Depot.

Major Franck entered the service in 1942 and served in the

European Theatre of World War II. His decorations include: the National Defense Service Medal, Army of Occupation Medal, three ETO campaign Stars (Northern France, Rhineland, and Central European Campaigns), Meritorious Service Unit Citation, American Campaign Medal, European and Mediterranean Campaign Medal, Victory Medal, and the Armed Forces Reserve Medal.

After the war he was stationed in the Far East Command until 1949 when he returned to the United States. He went to Germany in 1953.

Prior to entering the service, Major Franck worked for the Carnegie Steel Corporation in

Chicago.

He is married and has a three-year-old daughter, Susan.

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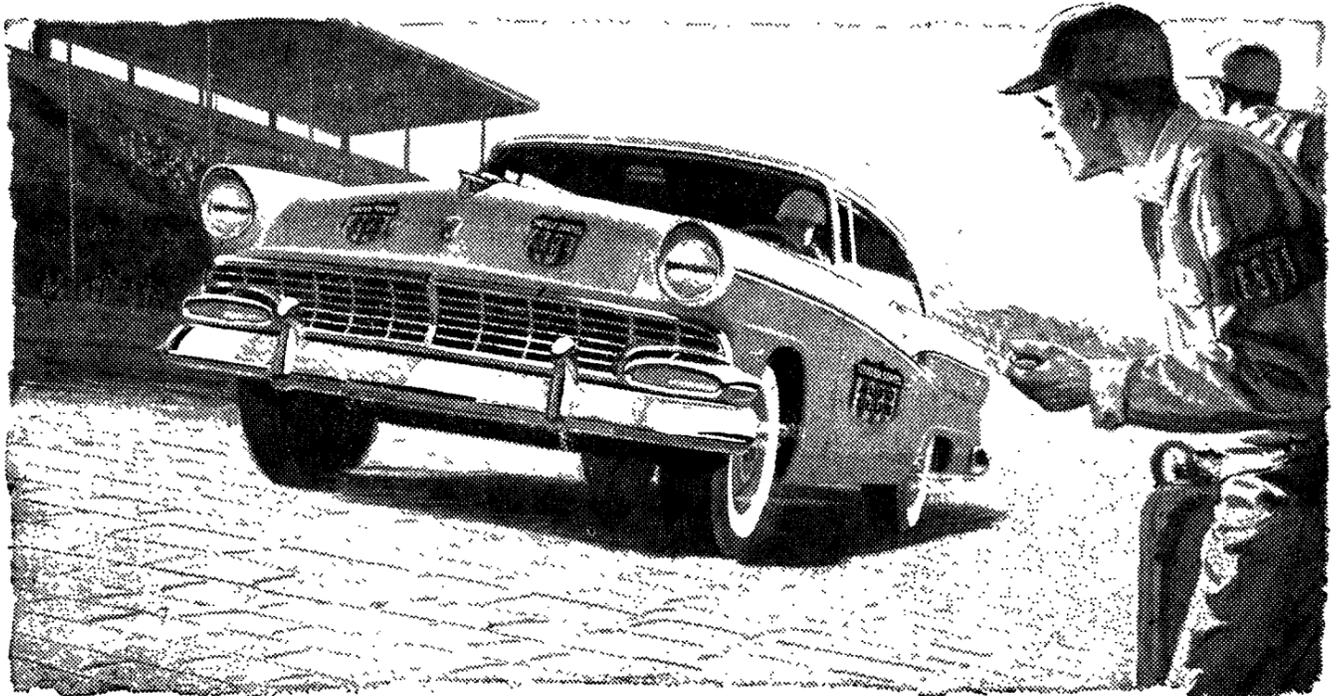
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Ford fully realizes that the welter of claims and counter claims about "racing victories" (many of them completely contradictory) must be confusing and disillusioning to the public. Ford ran this race against time, over the true "Classic" distance and at the most famous track in America, in order to dispel this cloud of doubt and disbelief and prove that no one outperforms Ford!

Peter de Paolo, leader of the team of drivers that piloted the winning Ford, states flatly: "No other stock car could have equalled this performance!" And Pete de Paolo should know, for he was

the first driver to win the "500" Classic with a better than 100 m.p.h. average. And now he comes back with a group of drivers to establish a stock car record with the great '56 Ford!

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WELCOME MRS. BARCLAY — A coffee welcoming Mrs. Barclay was given by the members of the Officers Wives Club recently. Shown above are some of the 175 ladies attending the social. They are (left to right) Mrs. R. C. Barthle, Mrs. O. M. Hirsch, Mrs. J. A. Barclay, Mrs. H. R. Dares, Mrs. Charles Modisett, Mrs. M. L. DeGuire, Mrs. C. F. Nooncaster, Mrs. W. J. Durrenberger, Mrs. D. F. Shepherd, Mrs. J. G. Zierdt, Mrs. J. B. Medaris and Mrs. H. S. Newhall.

Mrs. Barclay Is Honor Guest At Coffee Party

Members of the Officers Wives Club honored Mrs. Barclay, wife of Brig. Gen. John A. Barclay, at a coffee at the Officers Open Mess last Tuesday.

Mrs. John B. Medaris and Mrs. Oliver M. Hirsch received with Mrs. Barclay.

The coffee table was decorated with magnolias. An Army theme was carried out. Division flags representing every division in the Army formed the background for the serving table.

The table, covered with a cloth of white linen, was centered with a plaster of Paris model of the Redstone guided missile surrounded by an arrangement of Magnolias. On the table, also, there were two arrangements of fruit in bowls made from watermelon halves.

Presiding at the table were: Mrs. Robert C. Barthle, Mrs. Henry R. Del Mar, Mrs. William J. Durrenberger, Mrs. Leonard S. Frakenstein, Mrs. Duncan Hall-

ock, Mrs. William Hassler, Jr., Mrs. Lincoln B. Hunt, Mrs. Henry S. Newhall, Mrs. Clifton Nooncaster, Mrs. Hartsell H. Northington, Mrs. Thurston T. Paul, Jr., Mrs. Lawrence W. Sheeran, Mrs. Richard G. Thomas, and Mrs. John G. Zierdt.

Arrangements were made by the wives of the officers from the Army Ballistic Agency under the direction of Mrs. Daniel F. Shepherd.

Those serving on the committee with Mrs. Shepherd were Mrs. John G. Zierdt, Mrs. W. J. Durrenberger, Mrs. C. F. Nooncaster, Mrs. S. C. Skemp, Jr., Mrs. H. H. Northington, Mrs. H. E. Vonkaenel, Mrs. J. S. Killough and Mrs. T. R. Watkins.

Approximately 175 attended.

POST THEATRE SCHEDULE

Tues., July 3 — "Congo Crossing", Virginia Mayo, George Nader, Peter Lorre.

Wed., July 4 — "The Proud Ones", Robert Ryan, Virginia Mayo, Jeffrey Hunter.

Thurs., & Fri., July 5 & 6 — "The Proud and the Profane", William Holden, Deborah Kerr.

Sat., July 7 — "Naked Hills", David Wayne, Keenan Wynn.

Sun. & Mon., July 8 & 9—"The Revolt of Mamie Stover", Jane Russell, Richard Egan.

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REDSTONE SCOUTS RECEIVE AWARDS — A court of Honor was held at the Redstone Arsenal Chapel recently by Boy Scout Troop 234. Shown above with their leader are the boys who received the awards. Left to right: Carl Messenger, Chuck Keyserling, Lt. Richard Harrison, Bob Barthle, and Billy Trotter. Lt. Harrison is holding the charter which was presented to the troop.

RSA Scouts Hold Court of Honor

Boy Scout Troop 234 held a Court of Honor recently at the Redstone Arsenal Chapel. The affair was attended by the boys' parents and members of the Scout Committee.

Awards were made to Billy Trotter, Chuck Keyserling, Bob Barthle, and Carl Messenger. Trotter and Keyserling received their Star Scout award, Barthle a merit badge in Finger Printing, and Messenger, his Tenderfoot pin.

Highlight of the evening was the presentation of the Troop Charter. The troops received awards for percentage increase in membership, adult leaders registered, percentage of membership over rank of First Class, number of boys with 20 nights or more of camping, 100% subscription to Boy's Life, the scouting magazine, and an award for registering the troop on time.

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STARTS SUNDAY
THE BOLD AND THE BRAVE
Wendell COREY
Mickey ROONEY
DON TAYLOR
MICOLE MARNEY
CINEMASCOPE



There was a day when a man could be identified by the color of his automobile. For that reason, men who were not too proud of the places they visited usually bought a black car that couldn't easily be identified with the owner. Should one be unfortunate enough to own a car that could be distinguished by its color he could always claim that he had loaned it to his younger brother if it was seen where he shouldn't have been.

Times have changed. In this day of pastels, a person who is color-blind can't even identify his own car. One who is color-ignorant must take a course in colors before he can identify his neighbors car. It really isn't worth the trouble to know who visits who and for what unless

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STARTS SUNDAY
THE BOLD AND THE BRAVE
Wendell COREY
Mickey ROONEY
DON TAYLOR
MICOLE MARNEY
CINEMASCOPE

REDSTONE DEPOT
By WANOPHUS (Pronounced One-of-Us)

Comes summertime and wander-lust sets in for most daven-turous souls. So it is with our brood — for it seems that most of the news these days is about someone either going or coming back from vacation. Also now on the Depot Menu is TDY — for unlike other agencies we are not required to perform much of this type of travel.

At this reading we have many a sun-burned, battle-scarred, chigger-bitten, footsore and weary vacationer back in the fold day dreaming about the sun-and-surf, fresh sea food, extra hours sleep and making the poor souls scheduled for vacations at later dates, up the previously planned dates. Returning from the "land of sunshine" and "the most beautiful beaches in the world" — we have Jack "Red Legs" Calder, Gene Smith and Euclid Womack. Euclid we believe established a new high in souvenirs, he returned with a new automobile.

Pearl Cooper visited with her parents and old acquaintances in Columbus, Ohio. While there she joined her parents in celebrating their 50th wedding anniversary.

Dave Stephenson, June Turvey and Gertrude Conrad seem quite interested in the reports returned from Florida — who knows — maybe they will be driving that way soon.

We have Venson Birdwell of the General Supply Branch returning form TDY status. He at-

blackmail is the motive. The color of the automobile is not important, for there are only two car finishes — LACQUER and LIQUOR.

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STARTS SUNDAY
THE LAST HUNT
Robert TAYLOR
Stewart GRANGER
Lloyd NOLAN - Dobra PAGEZ
METRO-GOLDWYN-MAYER PICTURE Eastman COLOR

tended the Production Equipment Seminar at Atchison Storage Facility, Kansas. Venson said the temperature in the caves was most enjoyable and he certainly envied the employees there when the temperature here soars to a hundred plus. "Chig" Lusk and Gene Smith attended a conference on Project MASS at Anniston Ordnance Depot. Looks like the thing we have been needing to expedite supply to the users.

Mr. VanderVeen, of the Surveillance Office, is back with us after completing the orientation course on the Redstone Missile conducted by OGMS. Van had a couple of days rest prior to the beginning of th-s training and is full of "vim" and "vigor" and "what have you."

Frank Green kept the ball rolling during Van's absence and had to take to the mountains to soothe his nerves. He was so upset he couldn't get over Monte Sano and there we find him enjoying the cool mountain air without the long drive usually con-

nected with a vacation. Wise guy, that Frank.

The eagerly awaited transfer of personnel from Ammunition Division is now a thing of the past. We would like to welcome all of these nice people to the Depot and invite them to "take off their shoes and make themselves at home."

Also now in the Depot, but not to the Arsenal, is Mr. Curtis Thames, Ammunition Inspector, reassigned from Savannah Ordnance Depot. Welcome back to Redstone, Mr. Thames, and to the family at Redstone Depot. The parade continues — Miss Eleanor Hardin from Corps of Engineers, Little Rock, Arkansas, welcome.

We in the Depot would like to express, through the media of this column, our appreciation for the cooperation received from the Salary and Wage personnel in establishing jobs for the functions assigned Redstone Depot incident to receipt, storage, issue and stock control of ballistic missile material for ABMA.

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Hal McIntyre Band to Play for Dance Here

Hal McIntyre and his Orchestra, an all-time favorite from coast to coast, will play at Redstone Arsenal July 14 at the first "Famous Bands Night" sponsored by the Officers Open Mess.

McIntyre and his "Band All America Loves" will play from 9-11 in a dance open to officers and their guests. It will be held in one of the Ordnance Guided Missile School's large new shop buildings.

The entire program has been arranged by the Surface to Surface Missile Division of OGMS, which has charge of Officers Open Mess entertainment activities for the month of July. Captain Sherman F. Bunn is chairman of the dance. According to Captain Bunn, "If the officers support this dance and it turns out a success, we may be able to continue bringing big name bands to Redstone."

McIntyre, who features vocalist Jeanne McManus and a vocal group called the McIntyres, has played engagements at most of the nation's outstanding theatres.

THE REDSTONE ROCKET
JULY 3, 1956

hotels and ballrooms including the Paramount, Hotel Commodore and Glen Island Casino in New York, Frank Dailey's Meadowbrook in New Jersey, the Aragon Ballroom, Oriental Theatre and Hotel Sherman in Chicago and the Palladium in Hollywood. He has made four feature length musicals at Columbia movie studios and has records on the Decca, MGM and RCA Victor labels.

A protege of Benny Goodman and Glenn Miller, and Miller's roommate while with the Miller band, McIntyre gained added prominence by being chosen to play at the President's Birthday Ball for the late F. D. R. and Mrs. Roosevelt.

Recently voted among the nation's top dance bands in a Downbeat Magazine poll, McIntyre and his Orchestra will complete an engagement at the Steel Pier in Atlantic City just prior to his one night stand at Redstone.

Tickets, which cost \$1.50 per person, are available in all divisions on the arsenal. White uniform is preferred dress for officers, however, a summer tuxedo or light summer suit is acceptable. Dress for ladies will be informal.



TOPS IN HIS CLASS was Charles L. Jones who finished with a 93.8 average and an academic rating of "Excellent" in the Guided Missile Systems Maintenance Supervisor, SAM course at the Ordnance Guided Missile School. Jones, a SP3, was appointed warrant officer, junior grade, upon completion of the course, and just after this picture was taken. Mr. Jones entered the service in May 1953, and came to

Army Sgt. Pedals To Blood-donor Fame

FORT BENNING, GA.—Master Sergeant Richard C. Watson (23-17 N. Andrews Circle), Columbus, Ga., a 13-year Army veteran, rode

eight miles on his bicycle to donate a pint of blood recently in answer to an urgent radio plea and is still chuckling about it.

"You should have seen the look in the doctor's face when I told him I didn't need any help in getting back to my car. I had a bike and I was going to pedal it the four miles back home."

Watson started donating blood shortly after he joined the Army in 1942, and figures that he has donated over a gallon since then.

Redstone to attend the course last September. A graduate of Newport Township High School in Wanamie, Pennsylvania, he is originally from Nuangola, Penn., and is married to the former Hester A. Sittler of Berwick, Penn. The couple, which has one child, Charlene Louise, age one, lives on Route 5, Huntsville

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COLONELS ARE HONORED—A party honoring Colonel and Mrs. Paul Elias (left) and Lt. Col. and Mrs. Frank E. Napper was given by Field Service Division recently. Colonel Elias, who was stationed at Redstone Arsenal as chief of the Field Service Division in March, 1954, will retire from the service on June 30. Colonel Napper replaces Colonel Elias as chief of this division.

Elias And Levings Feted with Lobster Dinner Party

Mr. and Mrs. Fred Sayers and Mr. and Mrs. Chauncey W. Huth honored Colonel and Mrs. George E. Levings and Colonel and Mrs. Paul Elias with a farewell lobster dinner recently at the home of the Sayers in Flemington Heights. The dinner table was decorated with miniature methods of travel. A toy moving van placed on a "road" of brown ribbon represented the Elias's, moving to Detroit, Mich. An airplane was used to show the style in which the Levings will travel to France in the Fall when Colonel Levings reports to duty in Paris.

Candles in crystal candelabra illuminated the room. The daughters of the hosts and hostesses Virginia Sayers and Virginia Huth, dressed in blue and wearing dainty French aprons trimmed with pink bows served the guests. Approximately 17 guests enjoyed this courtesy.

Winners at Bridge Are Announced

Winners at Couples Bridge at the Officers Open Mess on June 25 were Mrs. Ruby Reed and Col. Arthur Lahlum.

Mr. and Mrs. Davis Foxworthy were the host and hostess at this meeting.

The two second high scores were won by Mrs. Whitt Compton and Bill Millsap.

Low scores were made by Mrs. Lahlum and Major Rudolph A. Axelson.

The Axelsons will be the host and hostess for the next meeting at 7:30 p.m. on July 9.

Hobo Party Held By Comptroller

Members of the Comptroller Office held a hobo party at the V.F.W. Club last week.

Reigning as King and Queen Hobo were Mr. Bill Fleming and Mrs. Paul McClung.

The affair was planned by the social committee of the Comptroller Office headed by Mr. Lacy Strong. Serving with Mr. Strong on this committee are Miss Alicia King, Mr. Ed Fransoli, Mr. Joe Farrell, Mr. Paul McClung, Mrs. Dorothy McAilly, and Mrs. Christine Stevenson.

Charlie Lyle and his orchestra furnished music for the evening. Approximately 125 members of the staff and their guests attended.

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Division Employees Give Chiefs Party

It was a gala occasion at the Officers Club June 23 when Field Service Division personnel honored Col. Paul Elias and Mrs. Elias upon his retirement from the Army and their departure from Redstone; and welcomed Lt. Col. Frank E. Napper, their new chief, and Mrs. Napper to Redstone.

The honored guests formed the receiving line.

Following the cocktail hour, dinner was served, and seated at

the head of the table were Col. and Mrs. Elias, Col. J. G. Shinkle, Lt. Col. and Mrs. Napper, Col. and Mrs. Miles B. Chatfield, Col. and Mrs. Merlin DeGuire, Lt. Col. and Mrs. Albert Ruemmele, Lt. Col. and Mrs. O. M. Hirsch, Mr. and Mrs. Louis Grabensteder, Mr. and Mrs. Paul Barker, Mr. and Mrs. Melvin Greuel, Mrs. E. E. Weatherford, Mr. and Mrs. Neal E. Roberts, and Dr. and Mrs. W. M. Mebane.

Mr. Barker, acting as toastmaster, introduced Col. Shinkle, Col. Chatfield, Col. Napper, Col. Ruemmele, Mr. Greuel and Mr. Roberts, all of whom paid tribute to Col. Elias for his cooperation and understanding in their respective missions.

Col. Elias replied by saying his assignment as chief of Field Service Division had been one of the most challenging and rewarding of his career.

Following the dinner, dancing to the music of Berlin Robbins' orchestra was enjoyed.

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'Small Fry'

(Continued from Page 1)

conclusion to a-rocket speech? they asked.

Arthur Davis of the Internal Ballistics Section got the job. He "watered down" the propellant, actually replacing it with gunpowder, and designed an exhibit which would allow the rocket to travel along a wire to its target several feet away — exploding with loud blasts both on departure and on contact with the target.

It was impressive. Too impressive, some men were soon to say.

Ray Turner, the test engineer, gave the modified Small Fry its first public workout at a meeting of the Columbia, Tenn., Lions Club. And not without some misgivings.

It wasn't too bad when a slight malfunction splintered the woodwork trimming on the Randall Hotel banquet room door. But then came loud and lusty protests from half a dozen waitresses who feared the unexpected boom would have an adverse affect on one of their number, a very-expectant mother.

That was thought to be the first indoor firing of a rocket. Many more followed by Turner and other Redstone speakers. But thereafter, they made a point of spreading the word before setting off the blast.

Completely unclassified, the display model of the Small Fry has been fired publicly nearly 100 times. There have been many kinds of audiences, but none more responsive than the one gathered in a nearby backyard a Saturday afternoon not long ago.

One of the test engineers had arranged to fire the rocket for his teen-age, space-enthusiast son. The son, several days before hand, invited a next-door buddy. The message got around, as such messages will, and came the appointed hour, some 100 persons, not a few of them adults, were standing by for the show!

And the mighty mitc, on its way to infantry training grounds, had captivated another audience.

Post Spelunkers

(Continued from Page 1)

go into a cave alone. (4) Leave word outside when you expect to return and specifically which cave you've entered.

In some caves, they walk, in some they crawl. In others they have to climb about, or go down by rope-ladder.

Arsenal cave explorers claim there's something under the earth to interest most everybody on earth (to coin a bad pun.) From a photographer's point of view, caves are a picture paradise with plenty of subjects good for both color and black-and-white shooting. Persons with a geologist's turn of mind get an inside view of the earth's "plumbing" and strata. Those interested in archeology know that early man lived in caves, and that artifacts are often found here; the Tennessee Valley is an especially rich site for such. Spelunkers with an interest in biology can discover all sorts of cave creatures, such as crickets, bats, salamanders, blind fish, and crayfish.

And for all groups there is the lure of exploration and adventure, the thrill of travelling thru virgin or at least unmapped territory.

The Huntsville club has two expeditions per month, on the first and third Sundays. Members meet at Hill's parking lot on Brandon St., at 8:30 a.m.—and it's "away we go". In all, they've visited about 50 caves.

Skeptics sometimes say, "But if you've seen one cave, you've

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seen 'em all, haven't you?" Not so, counter the spelunkers. Each cave has its own different features—its own distinct "personality." Even after 50 caves, local explorers keep finding something new.

Right now, they're looking forward to a big event—the so-called "Cave Carnival" to be held on July 7 and 8. This is a combination social get-together and full weekend of planned caving, sponsored by the Southeastern Region of the National Speleological Association. The local group plans to visit the Sauta, or Saltpeter,

Apprentices to Go

(Continued From Page 1)

machinist apprentice, was selected from the Army Ballistic Missile Agency and Robert W. Hill, a plumber-steamfitter apprentice was selected from Redstone Arsenal. These selections were based on the grades in the related classroom subjects and their shop

Cave near Scottsboro during their "Carnival." They invite new memberships in their chapter; interested persons should contact any of the club officers for details.

performance as reported by the shop supervisors. Committee, will accompany the apprentices.

At the conference, they will meet with outstanding apprentices representing private industries as well as the government from the ten southern states. They will receive special recognition from the Conference and will be awarded a certificate as an outstanding apprentice by Mr. William F. Patterson, Director of the Bureau of Apprenticeship, U. S. Department of Labor.

Mr. E. Guy Johnson and Mr. Harry L. Brandon from the Training Branch, Civilian Personnel Office, and Mr. Niles A. Prestage, a member of the Apprenticeship

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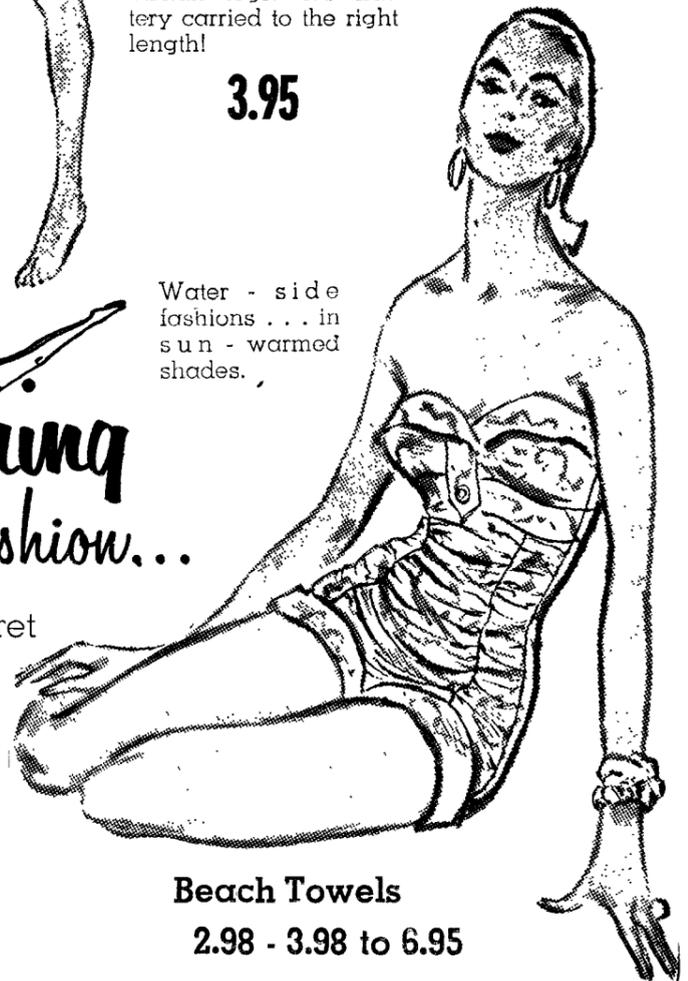
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