

The Redstone Rocket

VOL. IV; NO. 39

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

JANUARY 17, 1956

INJURY RATES FOR '55 LISTED

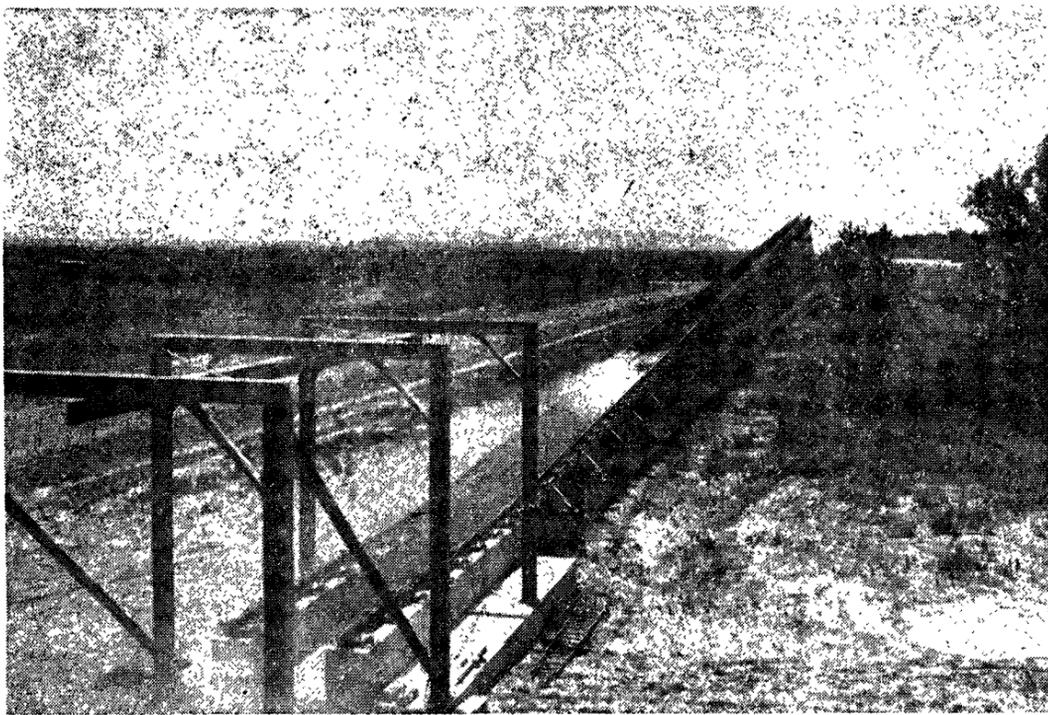
The cumulative injury rate for all Redstone Arsenal civilian employees—numbering approximately 7,000 and including civil service, contractors, and concessionaire—for the year 1955 was 1.2 (number of disabling injuries per 1,000,000 man-hours.) The rate was 1.3 the year previous.

The 1955 injury rate for the approximately 1,700 Redstone military personnel was 4.2 (number of disabling injuries per 100,000 man days.) The rate in 1954 was 3.7.

The cumulative vehicle accident rate at Redstone during 1955 was 1.0 (number of motor vehicle accidents per 100,000 miles driven.) The 1954 figure was .2.

The cumulative injury rate for Redstone civilian personnel in 1955 and 1954 by agency was as follows:

	1955	1954
GMDD	.9	2.3
RDD	3.4	2.3
OGMS	0.	5.6
Ammunition	1.1	.7
Post Engineer	3.4	2.3
Transportation	0.	0.
Consolidated Supply	1.9	0.
Redstone Depot	0.	0.
Rohm & Haas	0.	2.1
Thiokol	.6	.7
All Other	.5	.8



REDSTONE'S 'RAILROAD IN THE SKY'—Towering against the horizon at Redstone Arsenal is this unusual aircraft rocket testing device—a 600-foot-long inclined railroad track 40 feet high at one end. Known by engineers as a ballistic track or acceleration launcher, it is one of only three such test facilities in the United States. Rockets are fired from small sleds which speed over the track faster than sound, to simulate an air-borne effect. Blast from a test sled, powered by a solid propellant JATO, can be seen in photo above, taken during a firing test.

ONE OF THREE IN U. S.

Aircraft Rockets Test-fired From RSA's 'Railroad in Sky'

Death-dealing rockets which would be launched from million-dollar jet planes in time of war are being test-fired now at Redstone Arsenal—from \$150 "home-made" sleds zipping faster than sound over a 600-foot-long inclined railroad track to simulate an air-borne effect.

Redstone's unique "railroad in the sky," one of only three such test facilities in the United States, is known by engineers as a ballistic track or acceleration launcher. Others are located at Eglin Air Force Base, Fla., and at the Naval Ordnance Test Station, Inyokern, Calif.

The little test sleds, to which the aircraft rocket launchers are attached, are powered by motors from surplus outdated Navy solid propellant JATO's with 5,000-lb. thrust and burning time of .7 of a second.

These sleds—only four feet long, four feet wide and eight inches thick—are designed to fly apart into eight separate sections once they leave the track. The smaller lighter pieces do not bend out of shape, as the entire sled would, upon hitting the ground. So the parts are recovered by

Redstone engineers, reassembled and used again. Some have been used in as many as 35 tests.

The test sleds literally "skim" along the scaffold-supported track—inclined at an angle of three degrees in respect to horizontal—on runners made of magnesium, which metal quickly vaporizes due to heat of friction, thus forming a very thin layer of gas between rails and sled.

Speeds of up to Mach 1½ can be attained. (Mach 1, the velocity of sound waves, is 746 miles per hour at sea level.)

The aircraft rocket being tested is fired from its sled, representing a speeding plane, when the sled gets within about 80 feet of the 40-foot-high "muzzle" end of the 600-foot-long track. Seconds later, the rocket—which does not carry a high explosive payload in these tests—slams into a hill six miles away. The impact area has been cleared of trees so rocket can be picked up and later studied in laboratories for performance faults.

Two observers have the seemingly unenviable job of sitting in a war surplus medium tank at the

Newsweek Magazine Military Analyst Visiting Arsenal

Richard J. Davis, military analyst for Newsweek Magazine, will address the Huntsville Rotary Club at 12:30 p.m. today at the Russel Erskine Hotel.

Mr. Davis is spending part of his week in Huntsville and at

edge of the hill and spotting rockets for quick recovery.

Redstone's ballistic track—equipped with numerous intricate devices for recording various test data—plus an instrument building with eight-foot-thick reinforced concrete walls just back of it was completed in June of 1955 at a total cost of approximately \$150,000.

In addition to experimental aircraft rockets developed at the Arsenal, rockets are frequently sent here by other Army and also Air Force installations for test-firing on Redstone's "railroad in the sky."

ANNUAL MEET SET BY CREDIT UNION

New Members, Annual Dividend To Be Voted on

Credit Union members will meet with the Board of Directors and other officers at 5:00 p.m. in the Rocket Auditorium on January 26 to vote for new members for the board and committees and to vote on the annual dividend.

The report of the directors and committee chairmen will be read. New directors will be elected.

Lawrence Craig, treasurer of the Redstone Federal Credit Union, is urging all members to attend the meeting in order to have full representation for voting.

Last year a dividend of four and one-half per cent was paid the membership.

This year it will be recommended that this be increased one-half percent. However, this can only be done through the approving vote of the membership, Craig pointed out.



DR. M. H. NICHOLS

RADIO ENGINEERS TO HEAR SPEECH

The Institute of Radio Engineers will meet at the Fifth Avenue School auditorium tonight to hear Dr. M. H. Nichols speak on "Comparison of Required Radio Frequency Power in Different Methods of Multiplexing and Modulation in Telemetry."

The meeting will begin at 7:30 p.m. and will be followed by a social hour.

Dr. Nichols will present a comparison of the ultimate performance of various methods of modulation and multiplexing as related to radio telemetry. Although certain of these methods may appear impractical with current technology a knowledge of their ultimate performance will serve as a guide to future developments made possible by technological advances.

One comparison will be made on the basis of the minimum received carrier signal strength required to produce a specified and individual channel output signal-to-noise ratio.

Another comparison will be made on the basis of information efficiency.

Dr. Nichols received his Ph.D. in physics from Oberlin College.

Forces Collect Big Share of ARC Funds

Washington (AFPS)—Members of the armed forces and veterans are still collecting a lion's share of American Red Cross funds.

A recent statement of expenditures for 1954-55 fiscal year which ended June 30 disclosed that service members and veterans received \$35,696,464—or 41 per cent of the organization's total budgeted funds.

The report showed \$13,394,100

Continued on back page



H. W. EASTLAND

AUSSIE ROCKET RANGE TALK TOPIC

H. W. Eastland, who was stationed with a British Army radar team at the Australian rocket range at Woomera for three years, will give an illustrated talk on Thursday entitled "Rocket City—South Australia."

The Alabama Section of the American Rocket Society will meet for the first time this year at the Huntsville Junior High School next Thursday evening, 19 January, at 8 p.m.

The public is invited. For those unacquainted with "Woomera," it should be stated that this is perhaps the longest ground range in the world; about 1,200 miles from launching site to the northwestern coast of Australia.

The range then extends another 1300 miles over water to Christmas Island in the Indian Ocean. And there are plenty of miles beyond if more are required.

Mr. Eastland's talk will include a description of the facilities, the living quarters, and the surrounding country.

Graduate Study Program Meet Set

A special meeting will be held in the Rocket Auditorium, Bldg. A-120, on Thursday 19 January at 1:30 p.m. for all persons interested in taking Engineering and Physics courses in the Graduate Study Program.

The purpose of the meeting will be to make final arrangements pertaining to the starting dates, meeting times, registration, etc. of the courses to be started.

(Continued on Back Page)

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100 DAYS OF SAFETY—M/Sgt. James F. Shelton (left), and Lt. Thomas B. Wilson, safety NCO and Safety Officer for the 291st Military Police Company at Redstone, point with pride to the visual record of 100 days in which the green light burned and no traffic accidents were experienced by any member of the company. With a twenty-four hour operation of 34 vehicles and three motorcycles covering this guided missile installation, the Military Policemen claim their round-the-clock service proves the efficiency of its drivers. Besides, most of them operate their own cars off-duty and this record covers both the government-owned jeeps and sedans and their own models.

(Photo by Carl Pickens)

The Redstone Rocket

The Redstone Rocket is a civilian employe newspaper published every Tuesday in the interests of Redstone Arsenal personnel. It is published by special agreement between Jack W. Hoffhaus, Hartselle, Ala., printer, and the Civilian Welfare Council, Redstone Arsenal, Huntsville, Alabama.

The Rocket is NOT an official or semi-official Army or Ordnance Corps publication. Policies and statements reflected in the news and editorial columns represent the views of the individual writers and under no circumstances are they to be construed as those of the Department of the Army.

All editorial material for publication must be submitted to the Public Information Section, Bldg. A-101, Tel. 2212 or 2704.

All advertising and ad payments are handled by Mrs. Zillah Newsome, 308 E. Holmes, Huntsville, Ala., Tel. JE-4-4701, as representative for Jack W. Hoffhaus. Appearance of advertisements of products or services in The Rocket does not constitute an endorsement by the Department of the Army.

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 must be made with Jack W. Hoffhaus.

Time Is On Our Side

Time is on our side so long as we retain the advantages we gain in laboratories, engineering departments, and on the production line.

America's defense is dependent upon the application of science in the development of weapons and on the skill and speed with which they can be produced in sufficient quantity. It is only in this way that the vast natural resources and manpower of potential enemies can be matched or exceeded. Forewarning the enemy of the strategy and tactics we would employ in defending ourselves and informing him of the weapons we would use would destroy any advantages we have and possibly tip the balance against us. The proper safeguarding of classified information preserves these advantages so long as it is practical or desirable.

Security consists of two main elements:

- (1) Physical safeguards, such as locks, safes, alarm systems and guards, and
- (2) People, who are loyal, reliable, and determined to prevent unauthorized persons from gaining access to or knowledge of classified information.

The Department of Defense requires that classified information be marked, stored, transmitted, reproduced, destroyed, and accounted for in prescribed ways. It also takes every reasonable precaution to assure that persons granted access to classified information are to be trusted.

So long as physical safeguards are properly used and people entrusted with classified information deny access to unauthorized persons, time is an advantage to the defense of our country. Time is on our side—Security Will Keep It There.

WILBER M. BRUCKER
Secretary of the Army



COL. FREDERICK CRABB, JR.

Two Colonels Join Redstone Arsenal Missiles Staff

Two colonels have joined the staff at Redstone Arsenal.

They are Col. Frederick G. Crabb, Jr., former commander of Ranier Ordnance Depot and Col. Thomas J. Raber, former commander of Tokyo Ordnance Depot.

Both have had many varied experiences in Ordnance. Col. Crabb during World War II, was in the invasion of Africa, later the invasion of Sicily and finally the invasion of Normandy. At that time, he was Division Ordnance Officer of the 2nd Armored Division — the famous "Hell-on-Wheels" division commanded by Gen. George S. Patton.

Among the decorations the colonel has earned are the Legion of Merit, with an oak leaf cluster, the Bronze Star with two Oak Leaf Clusters and the Commendation Ribbon with two clusters. He is a USMA graduate who took his master's degree at Massachusetts Institute of Technology.

At present he is assigned to the Guided Missile Development Division at Redstone.

Col. Raber entered the armed forces in 1941 after several jobs



COL. THOMAS J. RABER

in industrial engineering.

He has been in the Far East twice since the end of World War II. In 1946 he was stationed at the Ordnance Service Center at Manila, P. I. for a two-year tour. In 1953 he returned to the Far East Command for another 18 months.

During his stay in Tokyo he received the key to that city from the Tokyo Prefectural Governor for outstanding industrial and community assistance. The presentation was made shortly before his return to the United States in October.

He is now the deputy director of the Ordnance Missile Laboratories.

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Freeman, Flecker Receive Promotions

During a recent ceremony performed in the office of Colonel H. S. Newhall, Commandant of the Ordnance Guided Missile School, Lt. Kaye L. Freeman was promoted to first lieutenant. Lt. Freeman is a student in the CORPORAL Guided Missile System Maintenance Supervisor Course.

He is married to the former Margaret McCown of Ardmore, Ala. They are residing at 320 W. Holmes Street in Huntsville.

Also receiving a promotion was Mr. Ralph L. Flecker, who was promoted by Colonel Newhall to the rank of Chief Warrant Officer.

CWO Flecker is an instructor in the Surface to Surface Missile Division of the school.

CWO and Mrs. Flecker have four children, Darlene, Ralph, Jr., Gary, and John. They reside at 1009 West Holmes Street in Huntsville.

A grumpy household r was awakened at 3 a.m. by a drunk who pounded insistently on the door. The sleepy man opened the bedroom window and shouted, "Go away, darn it. You're trying to get into the wrong house."

"Oh, yeah?" called the happy fellow. "An' how do you know yer not looking outa the wrong window?"

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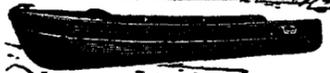
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News about ALUMACraft BOATS

Designed by Erich Swenson, using special aluminum alloys, pre-forming and finishing each model with precision care, Alumacraft boats and runabouts have earned, in the past nine years, an excellent reputation for quality, performance and value. With two new outboard runabouts and a new and deeper Model FB added for 1955, we now offer 14 models, a size for every use.



ALUMACraft CANOES

Although the first Alumacraft canoe was introduced several years after Alumacraft boats, they too have become the standard of quality, performance and value. In addition to the 17-foot double-end Model C-17 and the ingenious fantail outboard Model CO-17, a new 15-foot double-end model has been added for 1955. This Erich Swenson canoe weighs only 77 lbs. and has a full 3-foot beam amidship, giving it the stability and carrying capacity of most 17-foot models.



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IN VARIETY SHOW—Harry Roberts, song stylist, will be featured with the Third Army Variety Show, "Holiday," to be presented at the Rocket Auditorium at 8 p.m. Monday, Jan. 23. Also featured will be Rene Zaccanti, trombonist; Steve Franz, ventriloquist; Jan Paderewski, pianist—plus a host of other professional entertainers. The show will be free to all Arsenal personnel, civilian and military.

SO CHERY

Club Members Study Use of Cosmetics

Mrs. Odell Whitt was the guest speaker at the Officers Wives Club luncheon held at the Officers Open Mess last Tuesday.

Introduced by the club president, Mrs. Oliver M. Hirsch, Mrs. Whitt demonstrated skin care and the correct application of cosmetics with Mrs. Hubert R. Jones as a model.

The cosmetic theme was carried out in the decorations. Magnolia leaves and multi-colored kleenex with lip stick prints were used on the tables. The centerpiece was of pastel gladioli and Dutch iris.

Wives of officers in the Ordnance Guided Missile School were in charge of arrangements under the direction of Mrs. Henry S. Newhall.

Mrs. Joe Wiggins, Bloodmobile chairman for volunteers, made a special appeal for both donors and aides for the Red Cross Bloodmobile.

New members and guests were introduced by Mrs. Hirsch. Approximately 100 attended the luncheon.

PERSONALS

Mrs. H. N. Toftoy, wife of arsenal commander, Brig. Gen. H. N. Toftoy, visited her parents, Rev. and Mrs. Charles A. Schweikert in New York while the general conducted business in Washington last week.

Mr. and Mrs. Elmer Fohrell are



AUTHOR OF COOKBOOK — Loris Troup, former editor for the Ordnance Guided Missile School, has written a new cook book "The Tasting Spoon," which deals not only in the use but also includes the history of spices. In addition to the book, Mrs. Troup recently sold an article "Keep Your Home Files Burning" to the Everywoman's Magazine.

the parents of a boy, Frederick Leslie, born at the Huntsville Hospital on Jan. 8. The baby weighed six pounds and six ounces at birth.

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Foxworthy's Hosts At Couples Bridge

Mrs. Ben Keyserling and Davis Foxworthy scored high at Couples bridge on Jan. 9.

Second were Mrs. William Trotter and Col. Paul Elias. Low players were Maj. Marvin Parker and Mrs. Merlin L. DeGuire.

Host and hostess for the meeting on Jan. 23 will be Mr. and Mrs. Foxworthy. Maj. and Mrs. Parker served in this capacity for the Jan. 9 meeting.

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AIR FORCE COLONEL VISITS—Col. Clement W. Bird, (center) of the Office of the Chairman of the Joint Chiefs of Staff, Washington, D. C., is greeted by Col. George Levings (left), Redstone Arsenal assistant commander, and Col. Henry S. Newhall, commandant of the Arsenal's Ordnance Guided Missile School, upon Col. Bird's arrival for an official visit to the Arsenal last week.

REDSTONE DEPOT
By OLIVUS

We all sincerely regret losing Lt. Col. T. H. Ebbert, who was our Depot Chief for more than two years. Through his outstanding leadership, unquestionable integrity, loyalty, and sincere devotion to duty, we have enjoyed two years of continuous progress and efficiency. He was truly the best chief we have had. Colonel Ebbert recently departed for an overseas assignment and the family will soon follow. We do wish for them the very best of everything in their new assignment.

Rumors flying everywhere and headlines of the papers present possibilities for a greater and more prosperous New Year for the arsenal as a whole. We have resolved to do our utmost to make this the most prosperous year for the Depot, thereby contributing our part toward the overall accomplishment of a great year for the arsenal.

Mr. and Mrs. Claude C. Davis

are the proud parents of another son, William Joseph, born 26 December—Congratulations!

Tracy Hill returned to duty all smiles and ready to work after being off the week during the holidays. He reports he did absolutely nothing but enjoy TV until stations signed off at night and dared his wife to awake him the next morning—OH—The Life of Riely.

Euclid Womack and James Day left last week for a six weeks' course at the Ammunition Inspectors' School, Savanna Ordnance Depot, Savanna, Illinois. Euclid, having heard of the cold weather prevailing at Savanna, is reported to have purchased additional winter clothes.

John McCutcheon was by a few days ago telling his friends goodbye. He was scheduled to leave from the New York port of embarkation early this month. He has been transferred to Germany.

The Redstone Depot was recently visited by twenty members of the Post Kindergarten. Each child had previously written his or her name on a slip of paper

to serve as a "pass" into the Depot area. The "passes" were picked up by Col. Ebbert and stamped with approval, at which time the youngsters were permitted to visit the General Supply Storage Section to witness a demonstration on the operation of a rifle. When the demonstration was completed, cookies and Cokes were awaiting the hungry youngsters in the Depot Coffee Shop and their "passes" for departure were returned to them. Employees of Building 819 enjoyed the visit very much and look forward to their return.

During the past month or so, the Ammunition Inspectors seem to be coming or going. B. P. Crump got back from Reik Island and VanderVeen left for Pennsylvania. Van got back and now Frank Green is heading "a little bit north of South Carolina." He will help lead a ship at Sunnypoint Army Terminal near Wilmington, North Carolina.

Wish we could give more details, but that romantic glow in the south end of Building 819 has something to do with a girl from Virginia and a soldier from Fort Bliss!

Henry Davidson, William McGlathery and Jeff Malone have transferred to the Fabrication Laboratory. Being inside this winter will be an improvement but we'll bet when Spring comes they would "kinda" like to be back in the Igloo Area. Good luck to you, men.

The 1956 March of Dimes drive is well under way at the Depot, with Harold VanderVeen as the chairman, and Gertrude Conrad, Claude Davis and John R. Russell as co-chairmen. Certainly the contributions of the past are paying great dividends. While considerable progress has been made,

the need for money is still great.

There is an old superstition that the first 12 days of the year predict the weather for the year. It ain't rained yet! And to add to the woe of the superstitions is the fact that there will be three Fridays the 13th this year.



MARCH OF DIMES



JANUARY 3-31

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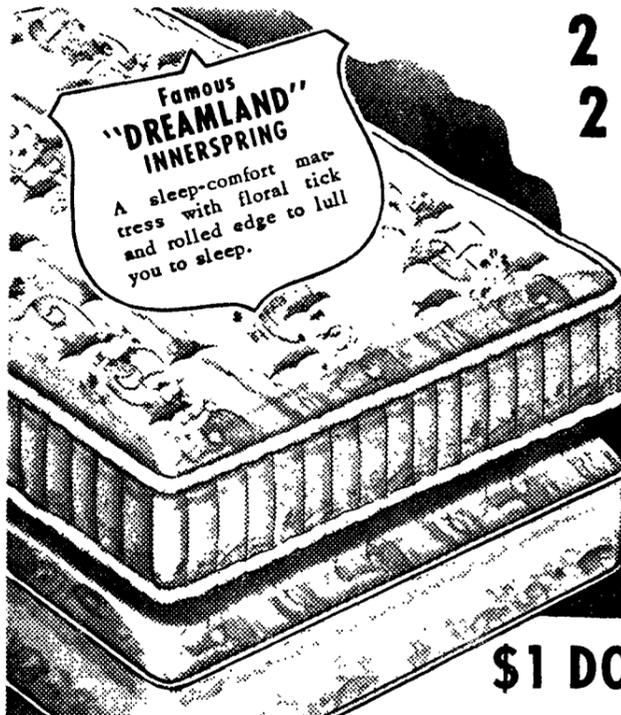
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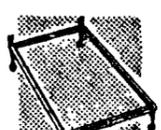
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DETACHMENT "A"

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By Michael L. Mastracci

All kinds of rumors and/or news these days. Moving day is the 17th of January, today. This is probably not news now, but it sure was when I wrote it. This day is not to be confused with the "dry run" perpetrated on the troops last Tuesday. Only by dint of constant practice can real success be achieved.

Detachment A is now not only completely equipped with new troops, but we also now have a new commanding officer, one Lieut. Cecil L. Joyce. After we get Lt. Whitener finally used to the ways and wiles of the S&P soldier (S&P soldier, a very incongruous expression), he ups and goes to Fort Benning, there to flaunt nature by jumping off of high places. My old grand-pappy tells me that this can lead to one heck of a let down. In any event, the company is still in good hands, Lieutenant Joyce cracks a mean whip, and since the troops now are practically all former Detachment B, he should feel right at home. Welcome aboard, sir. Oops, wrong Navy.

All sorts of unplanned havoc is being wrought by the Detachments reorganization. The most important being the effect on the basketball and bowling teams. How we going to have athletics if all our players are in the GMDD

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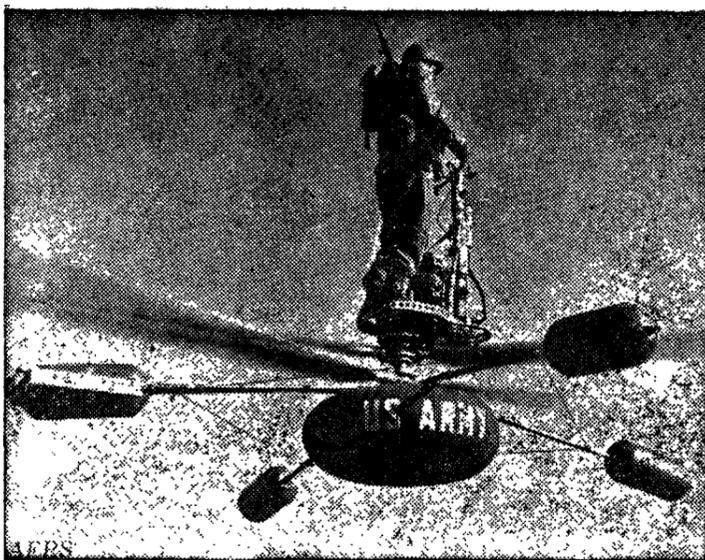
LAST TIMES TODAY



WED., - THURS., - FRIDAY



STARTS SUNDAY



Sfc. Herman Stern, Brooklyn, N. Y., is shown at the controls of army's Aerocycle over Camp Kilmer, N. J. Machine was first flown by the Army on December 15, 1955.

ARMY UNVEILS ITS 'AEROCYCLE'

Washington (AFPS) — The Army, envisioning a new concept in battlefield mobility, has unveiled its own flying carpet, a 200-pound "Aerocycle" that will give the foot soldier an airborne personality.

Combining the principles of the helicopter and motorcycle, the Aerocycle has two rotary blades under a stand-up perch that carries the infantryman to his destination.

To guide the Aerocycle, the pilot stands on the platform and simply leans in the direction he wants to travel. The control mechanism that governs vertical

motion and speed is similar to that of a motorcycle.

Capable of landing on either ground or sea, the Aerocycle is relatively easy to operate. The Army said initial tests at Camp Kilmer, N. J., Dec. 15, 1955, showed that soldiers without any previous flying experience could become proficient operators after only 20 minutes instruction.

A two-cycle Mercury outboard motor with a 44 horsepower rating can lift the machine into the air in a matter of seconds. It can carry a payload of 300 pounds, has a maximum speed of 65 miles per hour and a range of about 150

unit, and visa versa. Will someone please inform someone that this can set Post athletics back 20 years. (Come to think of it, maybe the object is to even things up around here.)

Anyhow, the players will not only know what side they're on, but they'll be dead tired as well. You have got to be in shape to haul lockers all day and play basketball all night.

A couple of Detachment A soldier types didn't waste their Christmas leave like the rest of you guys. SP-3 Casella and Pfc. Greenwell took upon their respective selves one (each) wife, with all the joy, pomp and problems associated thereto. Bully for you, you lucky off-post men.

SP3 Leland Nosby (formerly of this unit, now with the GMDD turncoats) will throw a nuptial ball in Birmingham, the Magic City, on the 21st. Clamb'r aboard fellas, it's free.

Then as if we hadn't already enough trouble, Pfc. Clinton also advises that he is going to quit his job and send a wife to work. The only difference between this and Nosby's story is that the Clinton soiree is slated for Fayetteville in February. Gee, maybe they ought to start giving shots for this sort of thing... we can fight diphtheria.

GRAND THEATRE

WEDNESDAY - THURSDAY

COLUMBIA PICTURES presents
**GUY MADISON
KIM NOVAK
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The most dangerous gamble!



FRIDAY - SATURDAY



miles.

The Army already has obtained 12 Aerocycles and shortly plans to conduct experimental tactical tests with them.

The machine was developed by DeLackner Helicopter, Inc., Mt. Vernon, N. Y.

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PARKWAY DRIVE-IN THEATRE

TUES., - WED., - THURS.
"MAGNIFICENT
OBSESSION"

Jane Wyman - Rock Hudson

FRIDAY & SATURDAY



SUNDAY & MONDAY



The Army employs 688,000 civilian workers throughout the world. They are in 1,200 occupations, ranging from laborer to research physicist and from file clerk to procurement specialist.

WHITESBURG DRIVE-IN

TUESDAY & WEDNESDAY
YEAR'S SUPREME THRILL!



THURSDAY & FRIDAY

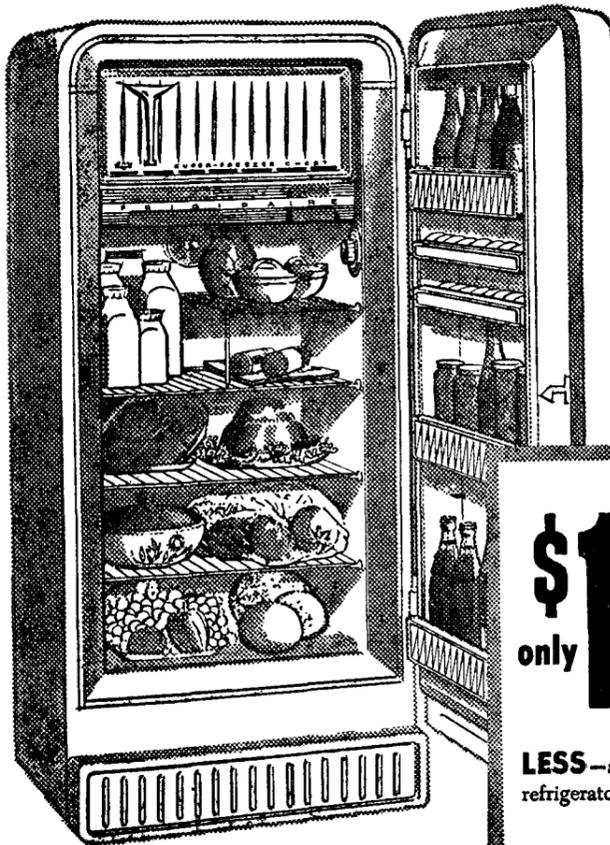


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BY CAROLYN E. NOLTE

Here are a few of the resolutions I've picked up:

- Buford Stidger — 1. Not to be so partial to blondes. 2. To forget the resolution he made.
- Gloria Pickett—To make Nolte happy by misfiling all new drawings.
- Lucile Ezell—To use the Hebrew definition for happiness in 1956. "He is rich who is happy with his share."
- Frieda Rice—Start a new hobby—collecting engagement rings.
- Tommy Strange — Just to live another year.
- Freddie Mounts—To get him a girl.
- Woody Woods—To fly higher.
- Johnny Rist—To really poster the "vimmins."
- E. C. McKenzie—To chase down with a bull whip, those that don't pay the Credit Union.
- Charlie Hoffman—Get re-elected as mayor of Decatur.
- Gene Davis—To get diamond-studded safety shoes—to glamorize the shops.
- Clif Green — To gold-plate the wedding helmets to run competition to Gene.
- Mike Rabatin — To avoid all nails.
- Mr. Ellison — To wear loud shirts.
- Bob Carmody—To force his riders to buy him a muffler by sheer will-power.
- George Kelm — To get shorter crew cuts.
- Sarah Smith—To go George one better by getting shorter poodle cuts.
- Nell Mintz—To answer letters better.
- Robert Paetz — To exceed the speed of sound by going down the hall in Bldg. 412 even faster.
- Charlie Swanson—To lose his

- Southern accent so he can get a word in edge-wise.
- John Stroud — To get a door built in the wall, so he can get to Dwg. Adm. easier.
- Bill Birmingham — To buy a new case of "Do it Yourself" kits.
- Jill Brooks—To keep Lucile Ezell from all the men who are chasing her.
- Bill Potter—To learn all about Texas.
- Larkin Davis — To talk only to Swanson so he can get a word in edge-wise.
- J. D. Bennight—To strike oil on his land so he'll feel at home here.
- Jean Bratton — Learn Morse code, so she can frustrate the engineers with the buzzer system.
- Walter Mattern —To buy another new car, when the 1957's come out.
- Gene Cowie—To become a father.
- Carolyn Nolte — To make the engineers and shops happy by sending them the wrong prints instead of simply telling them she doesn't have them.
- Ruth Drake—To engineer bigger and better parties.
- Money Taylor—To be nasty to everyone so they will think he has a split personality.
- Charlie Major—To continually harass Mrs. Ezell.
- Doug Brown — To get a gas mask to off-set Franklin's cigar smoke.
- Walt Crumpton—To roll up his hair every night.
- Sam McLendon—To quit watching TV 16 hours an evening.
- Jim Brown — To quit having birthdays.
- Andy Andres—To plow up his back yard to prove to Maxie that he doesn't have an money buried there.
- Mr. Kuers—To get those two weddings over.
- Mr. Maus—To have an even better year in the lab.
- Doyle Eastep—To build a larger house, so he can have all his kinfolks visit again this year.

- Guy Kay—To come down out of the clouds (it looks like he would have, since he's been married months now).
- Aubrey Drummond — to grow a goatee to go with his moustache.
- Tat r Taft — To start getting around more.
- Bill Simpson—To have a grand-daughter.
- Ann Fite—To slow down.
- Johnny George—To get a 12-point deer.
- Max Siebigteroth — To quit smoking stogies entirely.
- Jack Franklin — To smoke twice as many stogies to make up for Maxie's quitting.
- Mr. Phillips — To have a store room built in 412.
- Opal Burks—To sell the people in 412 on the attributes of instant coffee.
- Fann Couch—To see that they make a movie about redheads.
- Jack Strickland—To try to persuade Post Engineers to wax th floors once a week.
- Tom Wade — To put another motor in his car, so he'll have a twin six.
- Hugh Smith—To get a straight through line, so he can get drawings before they are designed.
- Dick Taylor — To have more nuggets in the house.
- Bob Hoppes—To get the coffee room moved back to Tool Engineering.
- Steve Little — To get store bought haircuts for the whole year.
- Tommy Blaise, Jr.—To quit letting people get him confused with his artist father.
- H. S. Blaise, Sr.—Same as Jr., plus winning more art contests.
- John Ray — To invent more stuff to make fishing easy.
- Charlie Rushing—To frustrate Little by hiding all of his stuff, then going on a weeks AL.
- C. W. Moffett — To reject all stuff made by Electrical Engineering.
- Bill Gibson—To try very hard to remember coffee breaks, so he won't work through all of them, as he usually does.
- Al Perkins — To help Maxie finish his house, so he won't have to listen to him complain about his back.
- Rich Richardson — To get a file cabinet all his own.
- Homer Wilbanks — To invent a built-in antenna so he can pick up more news (commonly known as gossip).
- Mr. Vann—Same as Stroud.
- Vance Harton — To move his



TIME MAGAZINE SCIENCE EDITOR VISITS REDSTONE—Jonathan Leonard (center), science editor of Time Magazine, is greeted upon arrival last week to visit Redstone Arsenal by Col. Miles B. Chatfield (left), director of Redstone's Ordnance Missile Laboratories, and Louis Grabensteder, Arsenal executive assistant. While at Redstone, Mr. Leonard toured facilities at the guided missile and rocket development center and conducted interviews with several Arsenal scientists and engineers.

- desk so he won't have to look at Phillips.
- Malcolm Neesmith — To run against Charlie for mayor of Decatur.
- Johnny Garrard — To get a motor scooter so he can get around the shop better.
- Jimmy Marchant — To get a telephone extension, so he won't have to run to the office.
- WELCOME — Starting out the New Year with us is Wilmer Hall. He is a mech engineer who comes to us from Decatur Iron and Steel Company.
- RETRACT — I read wrong—Money Taylor's nice tribute was only to the females—but anyway —it still goes, as written, for most of us.

The two traveling bopsters while in Russia saw a man being flogged in the public square. "I don't dig the beat," said one, "but that sure is a crazy drum."

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HOW TIMES HAVE CHANGED

In days gone by, much time was wasted going from place to place to pay the butcher, the baker, the candlestick maker— Now, it's so easy to pay by check ... Most housewives do.

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115 WASHINGTON STREET

NIKE TRAINING TRICK: 'REFLECTOR DISC' CAN TURN LIGHT AIRCRAFT INTO MEDIUM BOMBER ON RADAR SCREEN

COLORADO SPRINGS, Colo.—Army twin-engine light aircraft are being equipped with special "reflector discs" that will make them appear on a radar screen

like the "blips" produced by low-flying medium bombers.

These Beechcraft L-23's will be used by NIKE units to determine low-level accuracy of their radar coverage. NIKE, the surface-to-air guided missiles now guarding the major cities of our country, depends upon radar accuracy for its efficiency.

This new use of light Army planes comes concurrently with the assignment of the first fixed wing and rotary aircraft to the five regional areas of the Army Antiaircraft Command, which has

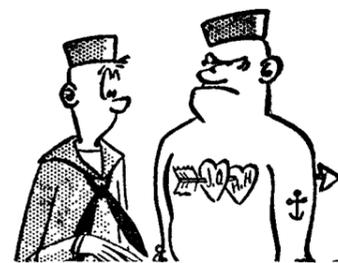
its headquarters here.

Integrated aircraft, according to Lieutenant General Stanley R. Michelson, commanding general, is essential not only for radar practice but for liaison between the various units.

"In many respects, the Army Antiaircraft Command's batteries, which actually launch the guided missiles and fire the antiaircraft guns, are scattered for miles around defended metropolitan and industrial areas.

"In some cases, a single battery may be split by natural or man-

SCUTTLEBUTT

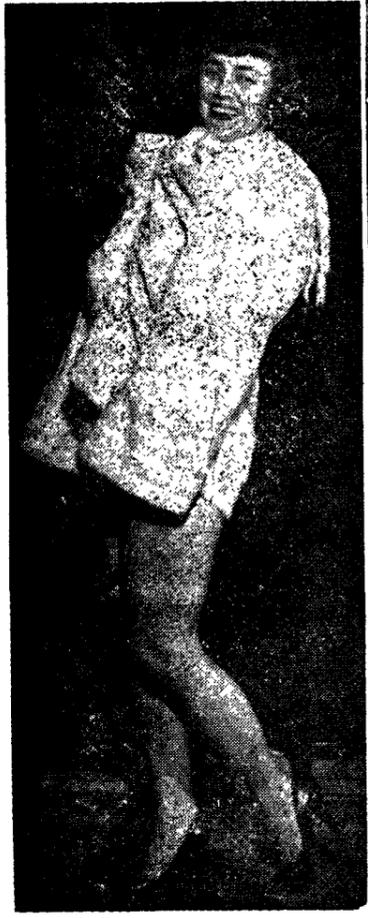


made barriers—mountains, river, bay or a series of factory buildings.

"Forced dispersion does not relieve the commanders of defended areas and batteries from the necessity to move quickly from one point to another to check on the efficiency of operations and coordination."

In metropolitan areas, this liaison will be accomplished often by small two-place helicopters, which require no special landing facilities. Additional uses for both fixed wing and rotary aircraft will include transport of special equipment and technicians—a sort of flying electronics repair shop —

to remote installations, and the evacuation of personnel in need of medical care not available at such an installation.



HOW TO KEEP WARM—A Big fur coat is a girl's best friend these chilly days, as demonstrated so fittingly by Miss Joyce Churchill, this week's Rocket Pin-up. A Huntsville native, Joyce works in the Signal Office at Redstone.

Military Analyst

(Continued From Page One)

Redstone Arsenal gathering material for a story to appear in a forthcoming issue of Newsweek. The article is tentatively entitled "Huntsville, Alabama — Rocket Capital of the World." Mr. Davis will conduct interviews with several city and county officials, as well as Redstone Arsenal personnel, while here.

Forces Collect Big

(Continued From Page One)

of this amount involved emergency financial assistance to servicemen, veterans and their dependents. Other services were a field staff which includes recreation workers with the armed forces around the world, and help in solving more than 103,800 cases of personal and family problems each month.

The expenditure also covered aid with communications between servicemen and their families, and constant activities in 127 military and 13 VA hospitals.

The Red Cross said it spent a total of \$87,539,503 for all budgeted activities during the period.

Graduate Study

(Continued From Page One)

In a previous meeting of Engineers and Physicists, it was indicated that graduate courses in Vibrations, Circuit Theory, and Intermediate Electricity and Magnetism were of greatest demand. However, other courses in this field will be considered for offering if there is sufficient group demand.

Representing the University of Alabama at the meeting will be Dr. John R. Morton, Dean of the Extension Division, Dean James R. Cudworth, Dean of the College of Engineering, Dr. Eric Reiger, Professor of Physics, and Mr. Phillip Mason, Director of the Huntsville Center.

Anyone desiring additional information pertaining to the Graduate Study Program, may call Bill Merchant, Civilian Training, Ext. 3530 or Mr. Phillip Mason, Huntsville, JE 6-2312.

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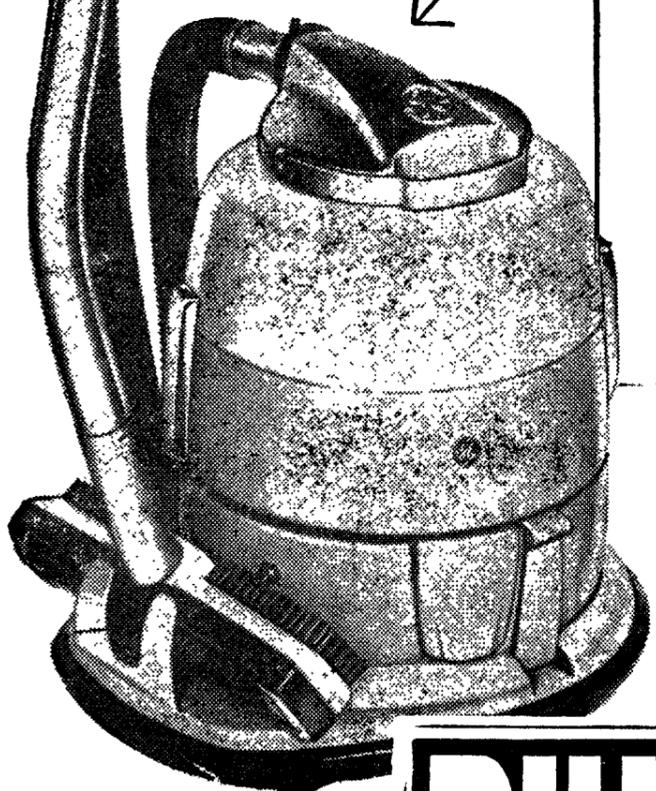


ROLL-AROUND

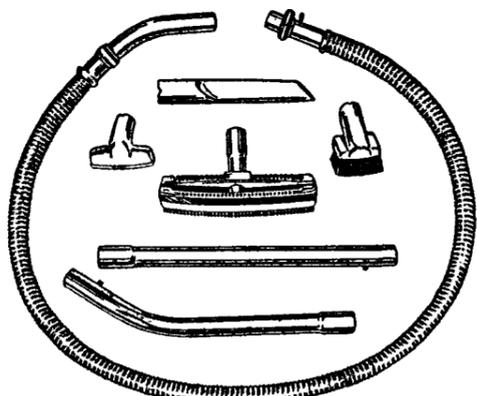
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