

The Redstone Rocket

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VOL. VII; NO. 5

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

JUNE 4, 1958

FIRST TIME UNDER TACTICAL CONDITIONS

40th Group Fires Redstone Inland

COL. THURSTON PAUL APPOINTED DEPUTY COMMANDER FOR ABMA

Col. Thurston T. Paul has been appointed Deputy Commander, Army Ballistic Missile Agency, by Brig. Gen. J. A. Barclay, the Agency Commander.

Col. Paul succeeds Col. Milton C. Clark, who has been assigned to special duty with the Army Ordnance Missile Command.

The new Deputy Commander will also continue as Chief of the Jupiter Project Office of ABMA.

A native of Castleton on the Hudson, New York State, Col. Paul attended N. Y. State College for Teachers in Albany where he received his bachelor's and master's degrees in education. He also pursued graduate studies in the University of Illinois, winning a degree of Master of Science in electrical engineering.

He taught school and served as a principal prior to entering the Army in 1940.

Col. Paul wears the Legion of Merit, the Bronze Star Medal with Oak Leaf Cluster, Army Commendation Ribbon, and the French Croix de Guerre with Palm.

He is a member of the Masonic fraternity, the Institute of Radio Engineers, American Society for Metals, and Radio Relay League.



COL. THURSTON T. PAUL

OGMS Signal Unit Wins High Rating

The Army Signal Corps' special electronic training group at the Ordnance Guided Missile School was singled out for exceptional praise this week by Maj. Gen. Emil Lenzner, the Army's deputy chief signal officer.

Lt. Col. Everett M. Amos, commanding officer of the Army Signal Electronic Training Detachment, was notified that a superior performance rating has been awarded his group for the third consecutive year by the Inspector General.

Col. H. S. Newhall, OGMS commandant, added his personal commendation, pointing out that the Signal Corps has supplied a substantial number of highly skilled electronics instructors required in the complex missile training courses.

Pfc. Gordon Turnbull Named President of RSA Choral Group

Pfc. Gordon Turnbull was recently chosen president of the Missilemen and Maids, choral group at Redstone Arsenal, at an election meeting held at the Post Chapel.

Pfc. Turnbull succeeds SP2 George Robertson. A native of Bradford, Ill., Turnbull is assigned to the Ordnance Guided Missile School.

Other officers named included: SP3 Clair "Bob" Barner, vice-president; SP3 Jim Lucas, treasurer; Miss Beth Weatherly, secretary; and Pfc. Ron Severnson, librarian.

The first concert of the season for the Missilemen and Maids is scheduled June 19 at the Post Service Club.

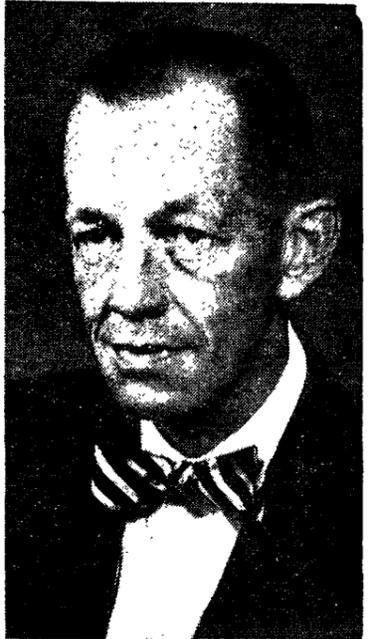
There are openings now in the group for female voices, both soprano and alto, it was announced. Rehearsals are held each Thursday night at 7:15 at the Post Chapel. Anyone wishing further information should contact Pfc. Turnbull at ext. 5080.

The Missilemen and Maids are under the direction of Lt. Lyle Barnard, and Mrs. Gail Quam serves as accompanist.

AOMC Public Information Office Sets Orientation

The Public Information Office, Army Ordnance Missile Command, will conduct an orientation program on PIO concept, activities, and organization Friday at 1330 hours at the Rocket Auditorium, Bl. 7120.

Executive assistants and administrative officers of all divisions, offices, and laboratories of AOMC, ABMA, ARGMA, and RSA have been invited to attend the meeting.



SMALL BUSINESS REPRESENTATIVE — Victor H. Joyce, Small Business Administration representative from the Atlanta Regional Office, recently received a permanent assignment at Redstone Arsenal. He will work in conjunction with the Army Ordnance Missile Command Small Business Office. His office is located in the Industrial Division of the Army Rocket and Guided Missile Agency. The regional representative is serving as an advisor to small business contractors and prospective contractors for special activities covered by the Atlanta office.

'B' Battery Performs Feat In New Mex.

Army troops Monday night successfully tested the combat readiness of the Redstone missile by launching the liquid-propelled ballistic missile under tactical conditions from the desert sands in New Mexico, Department of the Army has announced.

The firing at White Sands Missile Range by the 40th Field Artillery Missile Group (Redstone) marked the first time a Redstone missile has been launched inland. On May 16 at Cape Canaveral, Fla., Battery 'A' of the 40th Group made missile history in a first and successful troop launching of the Redstone.

In Monday night's firing, soldiers of 'B' Battery concluded their training program by launching the missile in a simulated tactical problem. Map grid coordinates of the target were given to 'B' Battery officers who directed the 'laying in' of the missile on planned ballistic trajectory to the target.

The Redstone was programmed at less than its full range. The alcohol and liquid oxygen for fueling the 62-ft. missile were supplied by the firing batteries' organic equipment. Erection, servicing, and fueling of the Redstone were performed by soldiers of the self-sustained missile group.

In Monday night's firing, the 40th Group substituted lightweight erection equipment for the giant gantry crane or service tower used at Cape Canaveral. A firing panel dug in some 600 feet from the launching site served as the 'blockhouse' as it would in a (See 'B' BATTERY on Page 2)

AOMC PIO Needs Information on Clubs

The AOMC Public Information Office is preparing an information booklet on Huntsville and Madison County.

One section of the book will list all active professional business, management, and other societies and clubs. Presidents and chairmen of such organizations are requested to call Walter Wiesman, Ext. 6400, for furnishing the information required for the booklet.

Funeral Services Will Be Held Today For Hoffman Birney

Funeral services for Hoffman Birney, 67, publications officer in ABMA's Development Operations Division, will be held at 6 p.m. today at Laughlin Funeral Home, Huntsville.

He died Monday night in Huntsville Hospital after a short illness. Birney was a novelist with 26 books to his credit, also a former literary critic for the New York Times. He came to Redstone Arsenal in 1950.

He is survived by his widow, Mrs. Marguerite Birney, and a son, Herman H. Birney III.

Sayers Is President of Sojourners Chapter

Frederick Sayers of the ARGMA Control Office, was elected president of Redstone Chapter 353, National Sojourners, at a recent business meeting held at the Huntsville Elks Club.

Lt. Col. Herbert C. Hansen, past president, is leaving Redstone Arsenal to attend the Army War College.

865TH TO BEGIN TRAINING

Second Jupiter Missile Squadron Activated Here



Chief of Dental Service — Lt. Col. Herman Rabinowitz (above) has recently been assigned as Chief of Dental Service at Redstone Arsenal. His previous assignment was as Dental Surgeon, U.S. Army Transportation Terminal Command, Yokohama, Japan. He is a graduate of the College of Dentistry, New York University. Before entering the Army Col. Rabinowitz was a dentist in Brooklyn.

St. Louis University Gives Honorary Degree to von Braun

Dr. Wernher von Braun, Director, Development Operations Division, Army Ballistic Missile Agency, was awarded an honorary Doctor of Science degree by St. Louis University in St. Louis, Mo., at the University's commencement exercises Tuesday.

Dr. von Braun also gave the

The Strategic Air Command's second Jupiter Missile Squadron was activated this week at the Army Ordnance Missile Command.

The new Air Force unit, which will begin training shortly preparatory to taking over operational control of the Army-developed intermediate range ballistic missile, is designated as the 865th Strategic Missile Squadron (Jupiter).

The first Jupiter squadron, the 864th, has been in training at Redstone since January. It is expected to complete its training by the end of this year, and to be deployed to an operational location, as yet unannounced.

The new unit, the 865th, will also be deployed when it finishes training.

Each squadron comprises approximately 700 men at full strength.

Commanding officer of the 865th is Col. Glenn B. Daughton. He comes to Redstone from Cook Air Force Base, Calif., where he served as operations and training officer of the 704th Strategic Missile Wing. Deputy commanding officer is Col. John Eigenmann.

Primarily support and administrative personnel are expected to begin arriving at the Arsenal during this month, with most of the trainees to follow shortly afterwards.

Quarters for the unit will be in the old troop area, with Bl. T-3151 as headquarters.

USAF Headquarters had announced earlier this year that SAC plans to have a Jupiter operational capability in late 1958 — as soon as the missiles come off the production lines.

The 1,500 mile Jupiter was developed by the Army Ballistic Missile Agency.

principal address at the commencement.



A DAY'S HAUL—Shown above is part of a 1,600-pound catch made last Thursday off Panama City, Fla., by a group of "expert anglers" from the Army Ballistic Missile Agency fishing on a chartered trip aboard the good ship Captain Anderson No. 2. Standing, left to right, are John Seaty, Kenneth Brice, Ed Powell, Eugene Foster, Oliver Snow, all of Guidance and Control Laboratory, and Tommy Lenley, of the Huntsville Office of the Alabama Department of Conservation. Kneeling are Louis Dossett, Robert Paysinger, an unidentified deck hand, Felix Dillard, Lowell Snoddy, Ben Hubbard, Newton Tiller, and Chet Doughty. (All are from Guidance and Control except Tiller, of Test Laboratory—and the deck hand, of course.)

The Redstone Rocket

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

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Honorary Degree Awarded

GEN. MEDARIS GIVES COMMENCEMENT ADDRESS AT PA. MILITARY COLLEGE

Maj. Gen. J. B. Medaris, Commanding General, Army Ordnance Missile Command, received an honorary degree Monday from Pennsylvania Military College, Chester, Pa.

Gen. Medaris also delivered the commencement address.

It was the 137th commencement of the College. Three other distinguished men received honorary degrees of doctor of laws. They were Robert W. Sarnoff, president of National Broadcasting Co.; Wilfred D. Gillen, president of Bell Telephone Co. of Pennsylvania; and Richard L. Burke, president of the Shipbuilding & Dry Dock Co., Chester, Pa.

There were 152 graduates in the PMC class, which was one of the largest in recent years.

The citation presented to General Medaris with the honorary LL.D. degree reads as follows:

"General Medaris proved to be a man willing to do more, much more than merely accept technological advancement from his associates. He has sought it out. He has stimulated it. He has demanded it. He is now awed by the shape of the future ever more plainly perceived.

"Clearly he has also filled creatively one of the most demanding roles that any leader could assume, that of tireless and intelligent mediator between the conservative forces of the purse and the enthusiasms of the scientists. Largely through his unstinting effort, the Huntsville projects were kept alive, and through his determined and enlightened support of Dr. Wernher von Braun and other scientists, the crowning achievement of recent American science, the launching of the first EXPLORER, became possible. We value him as the very figure of a soldier and the champion of steady, far-sighted space projects."

General Medaris was described in the citation as the "man who, more than any other, is in command of the future balance of peace in our time."

During his visit to the campus, Gen. Medaris also reviewed a graduation parade and presented commissions to 61 ROTC cadets.

Incidentally, the president of the college is himself a retired Army major general, E. E. MacMorland. Gen. MacMorland recently had visited Redstone Arsenal as a member of the Army Ordnance Board which met here.

'B' Battery

(Continued From Page 1)

tactical situation.

The launching from desert sand instead of concrete pad exhibited the versatility of the missile under any terrain conditions.

Other than for the telemetry and safety provisions afforded by the White Sands Missile Range, the troops were on their own.

The Redstone was developed by personnel of the Army Ordnance Missile Command, of which Maj. Gen. J. B. Medaris is Commanding General. Dr. Wernher von Braun, who headed the development team, is Director of Development Operations at the Army Ballistic Missile Agency.

The Redstone was the basic missile used in launching the Explorer scientific earth satellite, and contributed to the solution of the re-entry heating problem last August.

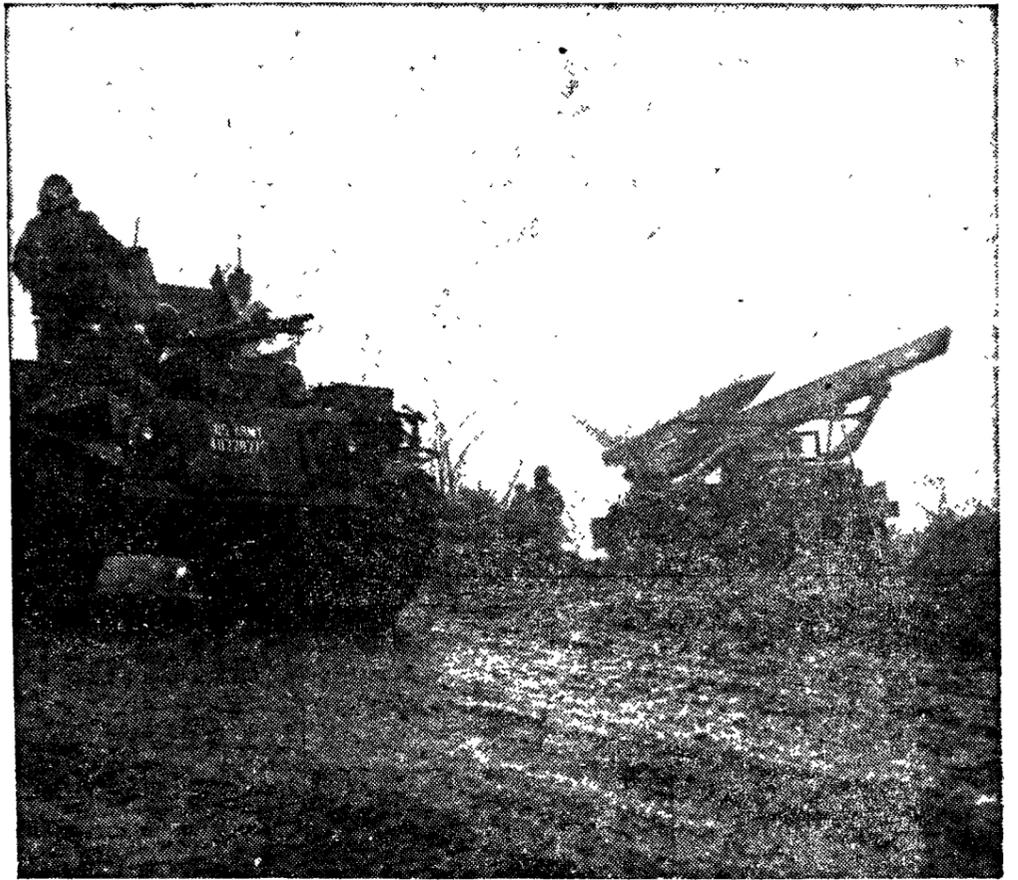
The Redstone is a surface-to-surface ballistic missile. It is composed of a warhead, which is capable of carrying either atomic or non-atomic payloads; the aft-body, which houses the self-contained guidance and control equipment; and the thrust unit, composed of a liquid rocket motor and propellant tanks. Alcohol is used as fuel and LOX as oxidizer.

The 40th Group, which as recently as 18 months ago had on its rolls the last mule pack company in the U. S. Army, has an historic and meritorious record of service in three wars. It is composed of two firing batteries, an Ordnance Company, an Engineer Company, and a Headquarters Battery. The 40th Group underwent extensive training at Redstone Arsenal for the past year.

Col. Robert C. Gildart commands the missile group. A native of Washington, D. C., Col. Gildart has an extensive background in artillery.

Capt. William Gresette, 28 years old, commands 'B' Battery. He is a native of Columbia, S. C., and a graduate of Clemson.

READ THE WANTADS



FAR EASTERN MUD—Artillery maneuvers of the First U. S. Cavalry Division bring a light tanker of an AAA battalion into juxtaposition with an Honest John rocket launcher.

THIOKOL FIRE INVESTIGATION RESULTS ANNOUNCED

Investigation into the recent fire in one of the processing plants of Thiokol Chemical Corporation-Redstone Division revealed that it was caused by a piece of tramp iron, Thiokol officials announced. In spite of elaborate precautions to avoid such an occurrence the foreign matter apparently got into the mixture without being detected, they said.

Investigation also revealed practically no damage to machinery and plant damage was confined to paint and wooden frames supporting specially designed burn-out panels. These panels form the outside wall of the thick concrete bays so that, in the event of fire, pressure forces them outward directing any flame outside and away from the plant. Officials of the company placed total plant machinery damage at less than \$5,000. There was no interruption in overall division operations and it was expected that operations in the burned bay area could be resumed this morning.

The fire occurred during the third shift Saturday at 2 a.m. Sixteen men were in the plant at the time, but safety precautions prevented any injury or major property damage. No explosion occurred but the high burning rate of solid propellants made the blaze a spectacular one. All safety devices functioned perfectly. Burn-out panels gave way to direct the flames outward; concrete walls confined the flames to the one bay; the automatic deluge system directed tremendous quantities of water into the propellant area; and all personnel, operating by remote control behind concrete walls fled the plant in the prescribed manner.

Thiokol's Redstone Division handles research and development of solid propellant motors used in missiles for all three services. Employment is close to 1,350 and



GRADUATES AT WEST POINT Cadet Charles N. Toftoy, son of Maj. Gen. and Mrs. H. N. Toftoy, was graduated today from the United States Military Academy at West Point, N. Y., and received a commission as a second lieutenant of Infantry in the Regular Army. Gen. and Mrs. Toftoy were at West Point to attend the ceremony. Gen. Toftoy is Deputy Commanding General, Army Ordnance Missile Command.

the division has a safety record of more than 2,000,000 man-hours without a disabling injury.



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FORT CAMPBELL, Ky.—In the Army's first pentomic division—the 101st Airborne—missilemen have moved up front. Expectations of modern atomic war have brought them, with their new long-range weapons, within a hoot and a holler of the slugging infantrymen they support.

These men are paratroopers who may one day have to fight surrounded. Airborne tactics presume that a division will assault by air to establish an airhead, fight to exploit it, deliver the decisive blow, then take off by air to fight elsewhere.

These missilemen man the 101st Honest John rockets, the first weapon to give an American division its own atomic punch.

They are now in their second year of training here to help perfect the skills and tactics the airborne may someday need on a battlefield where atomic weapons may decide the victory.

When the 101st pioneered the Army's modernization program late in 1956, pentomic planners moved some of the Honest Johns forward into the division command.

During field exercise after field exercise the "Screaming Eagle" paratroopers have practiced ways and means of using this new firepower. The aim is to maneuver the enemy and concentrate him so that one burst will result in the total destruction it formerly took days or even weeks to inflict.

Within the past two years the division has fired many actual Honest Johns in the field and hundreds more in simulated actions.

The constant exercises at Campbell and a recent maneuver at Fort Bragg, N.C., pointed

up one weakness the Army is remedying. Honest John is too big and too heavy to be delivered by air except in a strategic-type plane like the C-124 Globemaster. It can't parachute with the troops.

So the division is now working with the atomic Little John, lighter and smaller. The Little John can move anywhere the 101st goes. It can be carried by the division's own Army helicopters. It can be airdropped from the same planes carrying the fighting men, and it is easier to handle than the Honest John.

Pilots Fly 'Blind' In Army 'Copters

STUTT GART, Germany — The first planned and authorized cross-country instrument flight in a U.S. Army helicopter was made here recently, foretelling a step forward in the tactical use of these rotary wing workhorses.

The flight of 160 nautical miles was made round-robin over airways beacons in weather that would have grounded all helicopters in the past. While Army 'copter flyers have a minimum of instrument training to enable them to recover and escape from bad weather suddenly encountered only graduates of the new helicopter instrument training courses at the Army Aviation Center, Fort Rucker, Ala., and at the Seventh U.S. Army Aviation Training Center here are qualified to deliberately undertake cross-country instrument flights.

The flight was made in conjunction with the graduation of Captain Joseph B. Kramer of Perkasio, Pa. With Captain William F. Proncavage of Rock Glen, Pa., director of instrument training, he flew the H-34 "Choctaw" on a flight plan approved by the

ARMY'S NEW RANGERS STUDY SCIENCE OF SILENTLY SLAYING SENTRIES

FORT BENNING, Ga. — When a unit of 43 Ranger trainees from the Infantry School here recently went to Florida they weren't en route to a vacation. They were men on a mission.

An airplane with important high-ranking Allied personnel aboard had either crashed or been forced down in enemy-held territory. Intelligence reports indicated that the occupants of the plane had been captured and were being held in a small stockade, and that the enemy was momentarily expected to move the prisoners far to the rear.

Mission of the Rangers was to liberate the prisoners and return them to Allied lines.

This problem is staged by the school's Ranger Department to prepare junior infantry officers and NCOs for future leadership assignments behind enemy lines as well as on the battlefield. It is one of several that the students encounter during their 18 days in Florida, part of the seven and one-half weeks of the grueling course.

In the middle of the night the Rangers-to-be left by Army planes capable of landing and taking off from short, rough fields. They flew by a circuitous route to a deserted airfield, followed a pathfinder team in, landed, and grouped for their attack of the stockade area.

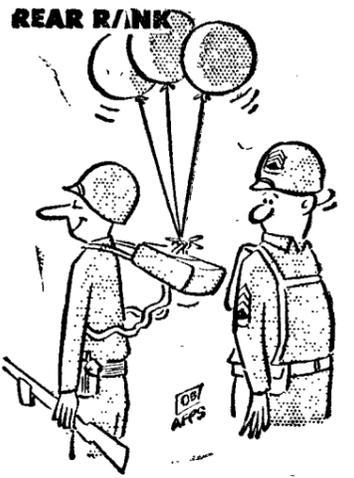
Moving silently, with blackened faces and no lights, they sneaked up on the enemy guards

and dispatched them with knives or strangled them with wire, cut the barbed wire surrounding the stockade, entered the compound, defeated the enemy force in a short pitched battle, and departed with the liberated prisoners. Within an hour after taking off on the mission they were back at the starting point.

The stockade problem, staged monthly at the jungle camp, has historical precedents. During World War II, for example, the Sixth U. S. Ranger Battalion formed the nucleus of a rescue team to liberate American and other Allied prisoners of war from the Japanese stockade at Pantagian in the Philippines.

This attack required the rescue force to make a 29-mile forced march into enemy territory, obtain the support of local civilians and guerrilla forces, determine the enemy's positions, crawl a mile across open terrain to assault positions, and destroy a Japanese garrison twice the size of the attackers.

Working under cover of darkness, they liberated more than 500 prisoners and evacuated them from the stockade area within 20 minutes after the attack began.



WHITESBURG DRIVE-IN

LAST TIMES TONIGHT

The Invisible Boy
RICHARD EYER • PHILIP ABBOTT
DIANE BREWSTER
A METRO-GOLDWYN-MAYER PICTURE

THURSDAY & FRIDAY
TECHNICOLOR

THE HUNCHBACK OF NOTRE DAME
CINEMASCOPE
GINA LOLLBRIGIDA
ANTHONY QUINN
AN ALLIED ARTISTS PICTURE

SATURDAY ONLY
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Warrior! Adventurer! Lover!

Omar Khayyam
A PARAMOUNT PICTURE
MICHAEL DEBRA • PAGET • RENNIE
John DEREK
VISTAVISION TECHNICOLOR!

WOODY'S DRIVE-IN

THURSDAY & FRIDAY
DOUBLE FEATURE!

Rory CALHOUN
Anne FRANCIS
THE HIRED GUN
CINEMASCOPE

— PLUS —

MARIO LANZA
Seven Hills of Rome
RENATO RASCEL
MARISA ALLASIO
TECHIRAMA • TECHNICOLOR

SATURDAY ONLY
DOUBLE FEATURE

TECHNICOLOR Super-Charged Excitement
HELL AND HIGH WATER
RICHARD WIDMARK • BELLA DARVI
CINEMASCOPE

— Plus —

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THE NAKED HILLS
in color
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MARCIA HENDERSON • JAMES RAYTON

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JACK WEBB
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GENE KELLY
NATALIE WOOD
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Ethel BARRYMORE • Cecil KELLAWAY

— PLUS —

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His revenge spawned bloody massacre!
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GUN FEVER
JOHN LUPTON • JANA DAVI

— Plus —

FIRE-BOMB ON A RUMBLE!
The Green-Eyed Blonde
SUSAN OLIVER
LINDA PLOWMAN
BEVERLY LONG
A WARNER BROS. RELEASE

SUN., MON., TUES.

COLE YOUNGER
GUNFIGHTER
CINEMASCOPE
COLOR by ORL LUCCI
FRANK LOVEJOY
James Best • Abby DALTON
ALLIED ARTISTS PICTURE

German Ministry of Transportation air traffic control center in Munich.

Seventh Army claims its "first" on the basis of information from Fort Rucker officials that they had conducted only local helicopter flights on instruments.

PARKWAY THEATRE

WEDNESDAY & THURSDAY

ALL-TIME HORROR HIT!
THE MAN WHO TURNED TO STONE
with VICTOR JORY • ANN DORAN • CHARLOTTE AUSTIN
A CLOVER PRODUCTION
A COLUMBIA PICTURE

Plus
ZOMBIE LOVE! ZOMBIE VENGEANCE!
COLUMBIA PICTURES presents
ZOMBIES OF MORA TAU
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ALLISON HAYES
AUTUMN RUSSELL
A CLOVER PRODUCTION

FRIDAY & SATURDAY

BOLDEST BAD MAN!
AL JENNINGS
OF **OKLAHOMA**
A Columbia Reprint

— Plus —

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ALAN FREED
ROCKY GRAZIANO
TEDDY RANDAZZO
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and LIONEL HAMPTON
and His Band

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With ELVIS PRESLEY

READ THE WANTADS

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DISCUSS PURCHASE—Mrs. Matthew R. Collins, Jr., confers with three young customers at the Post Thrift Shop. The three are Kathy, Kenny, and Jimmy Pangborn, children of CWO and Mrs. Richard K. Pangborn. The children have divided interests. Jimmy is interested in the walking hobby horse and Kenny thinks this might be a useable item for Jimmy; but Kathy's attention is centered on a doll-sized high chair. There are items for every age brought to the Thrift Shop for disposal, or sought after as needed merchandise. The Shop is one of the supporters of the Post Youth Activities Council.

POST THRIFT SHOP BUYS AND SELLS FOR BENEFIT OF YOUTH ACTIVITIES

The Thrift Shop on post is one of the sponsors for the Youth Activities at the Arsenal which also offers the householder (or renter) a chance to pick up a bargain or get rid of surplus such as lamps, fans, baby things, outgrown clothes, etc.

Located behind the Post Exchange offices in Bldg. 3656, it is run by a group of volunteers under the leadership of Mrs. Matthew R. Collins, Jr.

Mrs. Collins said that there is always a need for additional volunteers and that the Thrift Shop pays the Post Nursery for hours that young mothers devote to acting as salesmen and general storekeepers.

It was also pointed out that not

only the military here at the Arsenal but also all civilians are free to use the shop facilities.

The most sought-after items, according to the records, are all types of labor-saving appliances from toasters to washing machines. The Thrift Shop receives 10 per cent of the selling price on the item. Power fans are one of the fastest moving items. Merchandise is displayed for a specific period of time; and if it doesn't "move," it's marked down.

All clothing disposed of through the Thrift Shop must be brought in for sale in a clean and wearable (mended) condition.

Furniture is another item much in demand, according to the shopkeepers. Other items include children's toys, tools, paint, and the devices to keep baby clean, sweet, and fed.

Immaculata Sodality Sets Monthly Meet

Members of the Immaculata Sodality at Redstone Arsenal will hold their monthly meeting on Friday, 6 June, at 9 a.m. at the Post Chapel.

The program will consist of Mass and breakfast, and all Catholic ladies are invited to attend. Business sessions are being discontinued during the Summer

Officers Wives Club To Hold Installation Of Officers at Meet

Installation of officers will highlight the sherry party to be held by the Redstone Arsenal Officers Wives Club on Tuesday, 10 June, at the Redstone Room, Squirrel Hill Officers Club.

ARGMA wives are hostesses for the event, which will be held from 2 until 4 p.m., with the installation scheduled for 2:30 p.m.

Reservations and cancellations must be made not later than noon on Monday, 9 June, and members may bring guests. For reservations call Mrs. A. H. Williams, ext. 5050, or Mrs. J. H. Longbottom, ext. 5659. Those on the permanent reservation list who do not cancel will be charged. To cancel call Mrs. Salter, ext. 5255. For nursery reservations call ext. 3958.

Son Born to Brays

SFC and Mrs. E. P. Bray, Jr., announce the birth of their son, Michael Phillip, who was born at 2 a.m. May 26, at the Huntsville

months. For further information call Mrs. Jernigan, ext. 2450.



FABRICATION AND ASSEMBLY 'PIN-UPS' — Just a sample of the pin-up material that abounds in ABMA's Fabrication and Assembly Engineering Laboratory is the group of young ladies posing above at the Post Swimming Pool. Left to right are the Misses Dottie Murphy, Hyland Rowan, Beth Weatherly, Libby Norman, Virginia Moring, and Sandra Harrison. Lab officials state that, following publication of this picture, they expect recruitment for engineers and specialists to be much easier, with salary a secondary consideration. (Ed. note: Looks like Mother Nature did a pretty good job of "fabrication and assembly" here, too.)

Construction Set On Main Post PX

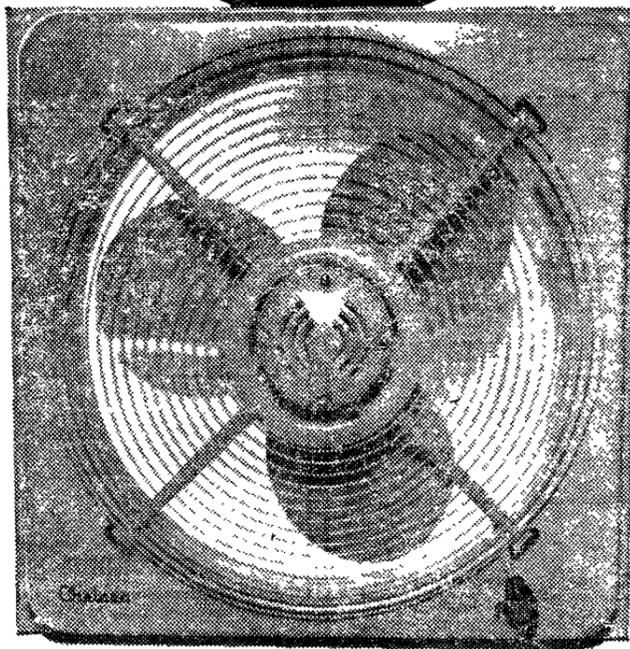
The Hare Construction Co. of Birmingham, Ala., has been awarded a contract amounting to \$223,819.85 for the construction of a main post exchange at Redstone Arsenal, according to an announcement made last week by Col. Harold E. Bisbort, U. S. Army District Engineer at Mobile, Ala.

The new exchange will be a one-story reinforced concrete building with masonry wall panels. It will have a floor area of approximately 11,600 square feet and will be air-conditioned.

Hospital, weighing 6 lbs. 14 1/2 ozs. Michael's mother is the former Miss Betty L. Doebke, of N. Platte, Neb. Sgt. Bray is sergeant major for the Army Rocket and Guided Missile Agency.

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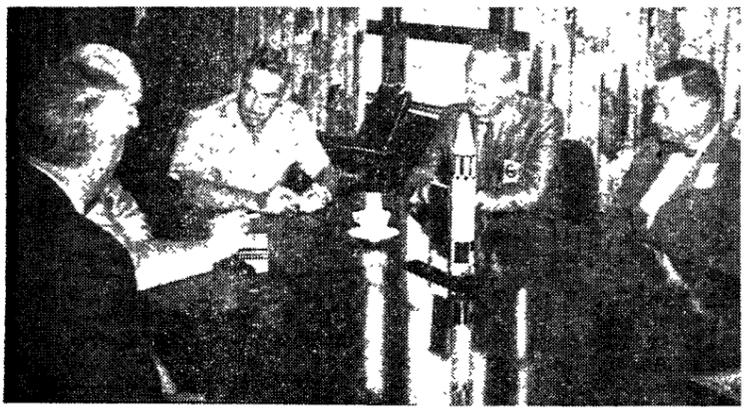
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NORTH AMERICAN AVIATION OFFICIALS VISIT— Maj. Gen. J. B. Medaris (center), Commanding General, Army Ordnance Missile Command, is shown in conference with executives of North American Aviation, Inc., during their recent tour of Redstone Arsenal and with local representatives of Rocketdyne field service. From left to right are D. H. Stewart, Management Representative, Rocketdyne Field Service, Army Ballistic Missile Agency; J. H. Kindelberger, Chairman, Board of Directors, North American Aviation; Gen. Medaris; J. L. Atwood, President of North American; and Chan Hamlin, Jupiter Project Officer for Rocketdyne. The general offices of North American Aviation are located in Inglewood, Calif.

At the Service Club

June at the SC is bursting out with delightful entertaining recreation. However after the holiday weekend and the JWB Dance some of us need to recoup to take full advantage of the pleasures in store for us. During this first week in June let's take a breather and play chess or bridge, write letters, or read.

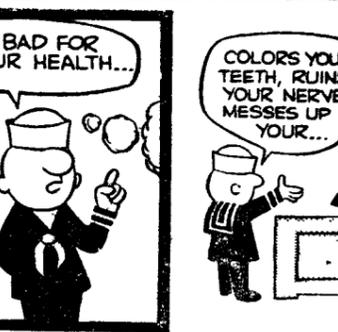
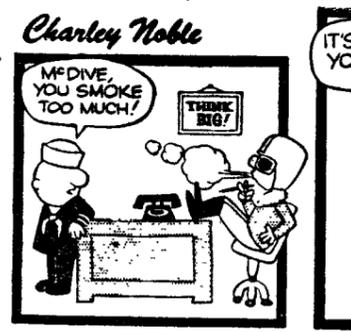
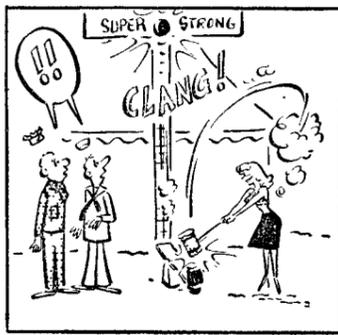
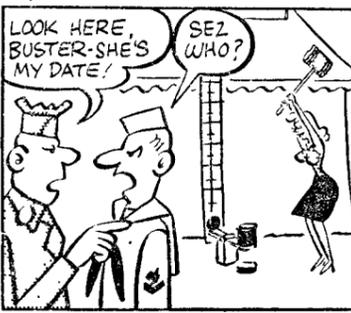
Some complaints have been voiced recently about the crowded conditions at the SC these days. Certainly they are justified as we no longer just rub elbows, but almost need them to get through the building at times. We can say the more the merrier or there's always room for

one more and really mean what we say, but the quiet corners once so prevalent at the SC have almost vanished as we try to accommodate more and more people and programs. You seekers of peace and quiet will want to take advantage of the lull in the program this week to again enjoy the music and quiet relaxation.

A new series of dance lessons begins tonight at 7:30. The lists for the new classes are filled. If you want to join the class next time be sure that you get your name on the list in plenty of time. These popular classes are in vogue as more and more interest is shown in learning to properly execute the intricate dance steps taught by the instructor. The classes are open to any of the Jr. Hostesses who want to learn to dance better or who just like to dance.

At 7:00 p. m., Thursday, June 5th the Huntsville Jr. Hostesses will convene for their regular monthly meeting. We hope to have a large number of girls at this meeting to make and discuss plans for June. Plans are important for fun, finesse, or finance, so let's put our heads together and make plans for fun after sundown at the SC.

Operation Blonde



On Sunday June 8 two buses will leave the SC at 12:30 to go to the Ave Marie Grotto in Cullman. If you think touring is a treat, get your name on the list soon for the trip and supper.

"BRIGADOON" will be presented by the Missilemen and Maids on the 14th. After the performance we'll turn on the hi-fi for dancing with the Ensley and Huntsville girls for the remainder of the evening.

Another dance date to remember is the June-Glow Dance on the 17th when we'll be flying high with the Nashville, Birmingham, and Huntsville girls to the music of Eddie Allen's Orchestra. For intermission entertainment there will be a 2-act floorshow.

For the remainder of the month there are great plans in store for those who are nocturnally pursuing recreation - relaxation - and restoration. But let's talk about these things over a cup of coffee.

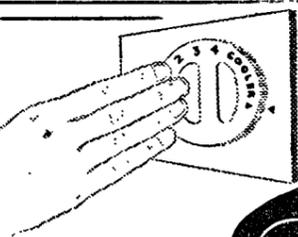
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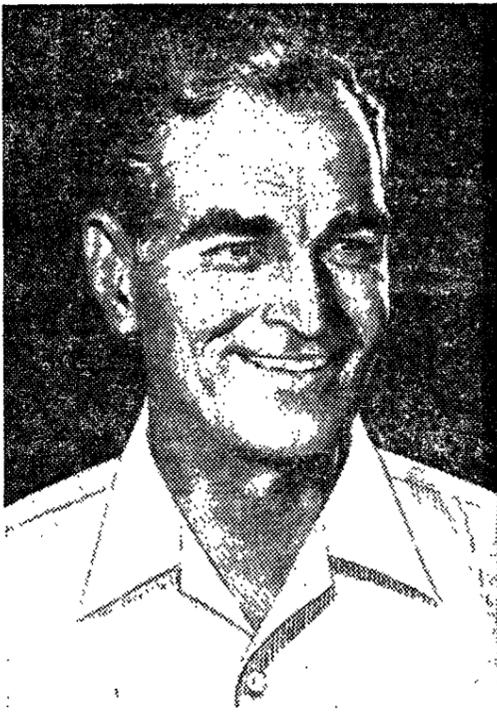
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STRUCTURES & MECHANICS LAB PLAYS MAJOR ROLE IN DESIGN, COORDINATION, LAUNCHING OF EXPLORERS

Editor's note: This is the final article in a series dealing with the laboratories of the Army Ballistic Missile Agency and the people who make them click.

The Structures and Mechanics Laboratory, Army Ballistic Missile Agency, plays a major role in design, coordination, and launching of the Explorer satellites.

The Laboratory's director, William A. Mazek, of 910 Union Dr., Huntsville, has been engaged in rocketry since 1941 when he became a member of the scientific team at Peenemuende.

He supervised the coordination between the Jet Propulsion Laboratory of Pasadena, Calif., and the Agency for both satellite launchings. His deputy, Hermann K. Weidner, of 2113 Evergreen St., S.E., Huntsville, assisted in adaptation of the Redstone Ballistic Missile to the Jupiter C configuration and in development of the entire Jupiter C configuration and propulsion system. Weidner has spent 16 years in the rocket field.

Gustav A. Kroil, who attended college in Germany, and lives at 1206 McClung Ave., Huntsville, directed the modification of the Jupiter C as chief, Fuselage Design Section. He also supervised design of the separation device, and development and design of the rotational launcher.

Chief of the Project Staff, Emil A. Hellebrand is a graduate of the Darmstadt Technical University and a former Peenemuende scientist. He lives at 1605 Sandun Ave., S. E., Huntsville. He originated and supervised structural analysis of the thin-walled Jupiter C booster, preliminary stress and dynamic analysis of the spin launcher, booster, and complete rocket.

John O. Aberg, 31-year-old chief, Airframe Development Unit, is a graduate of the Swedish technical school and lives at 216 Sanders Rd., Huntsville. His unit designed and developed the rotational launcher used to spin-stabilize the high-speed upper stages of the Jupiter C.

As chief, Layout and Assembly Section, Hans R. Palaoro was responsible for preliminary design of the Jupiter C and the overall satellite layout. He is a graduate of the Ilmenau, Germany, engineering college and was a development engineer at Peenemuende. He also supervised preliminary design of the high-speed cluster, spin launcher and the Jupiter IRBM model nose cone successfully recovered in August, 1957.

Fritz Pauli of 2011 Bide-a-Wee Dr., Huntsville, graduate of a Weimar, Germany, technical school, contributed drawings and layouts for cluster stages and structure, rotational launcher versions, calculations of performance of the cluster and missile. His layout provided the fundamentals for the solid rocket clusters employed in the Jupiter C.

The chief, Engineering Analysis Section, Hans G. Paul, who won two degrees at the Munich and Berlin technology institutes, was responsible for aerodynamic heating analyses for Jupiter C rockets. He lives at 1313 Locus Ave., S. E., Huntsville.

His contributions assisted in obtaining optimum payload conditions with regard to weight and aerodynamic heating for the skin of the Explorer satellite.

William A. Schulze, chief, Mechanical Design Section, supervised the design and development of the air supply system for the Jupiter C guidance system, and fuel feeding and venting system for special fuel, conversion of the rocket engine for improved performance, and trajectory calculations to determine

payload and orbital altitude of both Explorers.

Schulze is a graduate of a Berlin engineering college and lives at 1303 Hermitage Ave., Huntsville.

Dr. William R. Lucas, of 614 Vance Rd., Huntsville, a graduate of Memphis State University and Vanderbilt University, supervised personnel responsible for materials problems as chief, Engineering Materials Section.

His personnel determined the coating necessary for the satellites' nose cones, developed handling procedures for hazardous fuel, proved jet vane material, conducted mechanical tests and heat treatment of components, performed radiographic inspections of weldments and castings, and established materials specifications.

Heinz H. Koelle, 32-year-old chief, Preliminary Design Section, is a graduate of the Stuttgart Technology Institute.

He performed missile optimization studies, calculated preliminary satellite performance and lifetime, made recommendations for injection altitude and payload weight, assisted in apex determination in the launching of Explorer I and provided performance and weight control information. He lives at 212 Lincoln St., Huntsville.

As section chief, Structural Analysis, Erich E. Goerner of 709 Dale Dr., Huntsville, graduate of Darmstadt Technology University, was responsible for all load, stress, vibration and flutter calculations performed on the Jupiter C rocket.

Alfred J. Finzel is project engineer for the development of missile nose cone recovery systems. He is a Leipzig graduate and was a development engineer at Peenemuende. He lives at 1315 Locust Ave., Huntsville.

Another Peenemuende veteran, Herman R. Beduerftig, of 2304 Oak St., Huntsville, supervised the Mechanical Lab Section which developed test facilities and components. He is a graduate of Berlin Technical Academy.

James O. Thornton, of Huntsville, a Georgia Tech alumnus, was responsible as chief, Propulsion Unit, for conversion of the rocket engine to obtain improved performance for the satellite launchings.

Conrad D. Swanson of 2611 Evergreen St., Huntsville, who holds degrees from Carleton College and the University of California, assisted in determining performance and payload capabilities of the Jupiter C.

James T. Sawyer, a University of Alabama graduate who lives at 7504 Martha Dr., Huntsville, is chief, Structures Laboratory Section. His group supervised Men behind the missiles cont. static and dynamic structural development test programs on the overall configuration, including determination of critical spin velocities of the satellite launcher, natural vibration modes and frequencies of the booster-satellite configuration in launching position and suspended in free-flight condition, and structural performance of booster and launcher under conditions of simulated flight loading.

The deputy chief, Airframe Development Unit, Erich H. Richter, of 2013 Franklin St., Huntsville, supervised preliminary design and studies of the instrument compartment, support and rotational launcher for the Jupiter C. He is a graduate of Berlin Technical University.

Wilbur A. Riehl, chief, General Chemistry Unit, is a graduate of Tulane and Louisiana State and lives at 1811 Alabama Ave., Huntsville. His unit developed the

ceramic coating and technique of application for the nose of Explorer I and III, development of a special lightweight paint for the booster stage, and specified handling and decontamination procedures for special fuel.

Development and testing of spatial attitude control valves was the task of the Development Test Unit, of which L. A. Richard of 7205 Whitesburg Dr., Huntsville, is chief. He is a graduate of Louisiana State University.

Robert E. Landstrom, 29, graduate of the University of Illinois, who lives at 604 Vance Rd., Huntsville, was responsible for project coordination and liaison with the Jet Propulsion Laboratory.

As chief, Technical Services Unit, James E. Kingsbury, 29-year-old graduate of Penn State University, supervised personnel responsible for approving the jet vane material, after static testing; prepared the nose cones of both Explorers; and heat treated components for the booster vehicle.

Bill E. Greever, of 1408 Elmwood Dr., Huntsville, participated in overall project coordination. He attended Bluefield, W. Va., College; Rensselaer Polytechnic Institute; Virginia Polytechnic Institute; and George Washington University.

Walter W. Jacobi, chief, Control System Unit, was responsible to design and qualify pneumatic spatial attitude control system for Explorer I and III. He is a graduate of Ilmenau, Germany, engineering college and lives at 4119 Panorama Dr., Huntsville.

Thomas P. Isbell, 34, of 4329 Chickasaw Dr., Huntsville, an Auburn graduate, was responsible for the mechanical control system drawing and description, and modification of fuel system valves.

Robert M. Hunt, a University of Alabama alumnus, who lives at 508 Glencoe Rd., Huntsville, is chief, Dynamic Loads Unit. This group designed a scaled, dynamic model of a Redstone fin and rudder for wind tunnel testing, conducted wind tunnel tests and was able to demonstrate the mass balance could be reduced, resulting

in a saving of weight.

The chief, Engine System Analysis Unit, Bruno K. Heusinger, of 1200 McClung St., Huntsville, a graduate of a German mechanical engineering college, was responsible for predicting engine performance of the first stage in both Explorer I launchings. Design calculations for volumetric requirements of propellant containers and pneumatic requirements were performed by his unit.

Herbert W. Fuhrmann, Dresden engineering graduate and resident of 207 Marscheutz Ave., Huntsville, is chief, Mechanical Components Unit. His personnel supervised development and design of the air supply system for the Jupiter C guidance system, and fuel feeding and venting systems.

The chief, Measuring Unit, John K. Flora, of 506 Lanier Rd., Huntsville, an Auburn alumnus, supervised instrumentation relative to static and dynamic testing programs of the rotational launcher and forward stages.

Improved methods of balancing the launcher, upper stages, and payload were contributed by Edward J. Drost, who attended Michigan State Normal and the University of Michigan. He lives at 207 Park Lane, Huntsville.

Glen A. Deuel of 231 Crestline Rd., LaGrange, Ga., a University of Alabama graduate, conducted spin tests of rotational launchers and determined critical spin frequencies. He also conducted separation tests for Jupiter C and satellite missiles and structural test of the top section assemblies.

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Our Goal	30
Days since last military disabling injury—17.	
Our goal	33
Days since last contractor personnel disabling injury—66.	
Our Goal	100
Days since last government vehicle accident—11.	
Our Goal	30

As chief, Stress Analysis Unit, George J. Detko of 4215 Huntington Rd., Huntsville, a graduate of the University of Alabama, supervised stress analysis of the Jupiter C booster and upper stages rotating bucket support assemblies including drive supports and bearing housings.

Charles E. Cataldo, a University of Alabama alumnus, is chief, Metallurgy Unit, which conducted materials investigation of the satellite launcher base, X-ray inspections of castings and welds in the launching assembly and booster vehicle, and mechanical tests on explosive separation bolts and other booster components.

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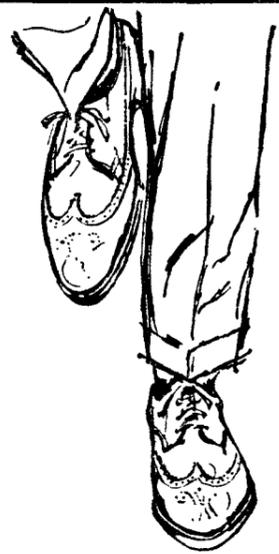
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CONGRATULATIONS—Maj. Gen. J. B. Medaris, himself an Army Aviator, congratulates Capt. William H. Ballard upon receipt of Army Commendation Ribbon for exceptionally meritorious service as Chief, Aviation Section of the Army Ballistic Missile Agency Transportation Office. Capt. Ballard is leaving for duty in Korea after serving 27 months at ABMA. Mrs. Ballard is at right.

* * *

Capt. Ballard Leaving For Service in Korea, Gets Commendation

The Army Commendation Ribbon with Metal Pendant was presented to Capt. William H. Ballard, Chief of the Aviation Section, by Maj. Gen. J. B. Medaris, Commanding General, Army Ordnance Missile Command, at a ceremony in the Command Headquarters Saturday.

Capt. Ballard has been stationed at Redstone Arsenal since the activation of the Army Ballistic Missile Agency Feb. 1, 1956. He is leaving for service in Korea.

He initiated the Missile Agency's aviation service with a staff of three pilots and with two aircraft. Now the Section has 10 pilots and six planes. A new record for utilization was established during May when the Section logged 430 hours of flying time.

Capt. Ballard's citation pointed out that he was responsible to provide air service to Cape Canaveral, Fla., where the Army launches its bigger rockets, and to contractor plants scattered throughout the United States.

The citation said he developed "one of the best trained and most efficient aviation teams" in the Army, operating in all kinds of weather without mishap.

Witnessing the presentation was Mrs. Ballard who will move to Carruthersville, Mo., with their three children, Frank, David and Mary Beth while Capt. Ballard is overseas. Mrs. Ballard's parents, Mr. and Mrs. Frank Watson, reside in nearby Holcomb, Mo.

Capt. Ballard is the son of Mr. and Mrs. D. M. Ballard of Eads, Colorado. He attended high school there and in Wiley, Col., and Pueblo Junior College.

He entered the Army in September, 1940. He received the wings of an Army Aviator at Ft. Sill, Okla., in September, 1943. He served with the 11th Airborne Division in the New Guinea campaign of World War II. Before joining ABMA he was executive officer of the Aviation Branch, Ft. Belvoir, Va.

Also present at the ceremony were:

Brig. Gen. J. A. Barclay, Commander, Army Ballistic Missile Agency; Col. J. G. Zierdt, Chief of Staff, AOMC; Col. C. F. Noncaster, formerly Headquarters Commandant in ABMA and now Assistant Chief of Staff, Support Operations, AOMC; Maj. H. R. Del Mar, Transportation Officer, AOMC; Col. Duncan Hallock, En-

gineer Officer, AOMC, and a group of Capt. Ballard's pilots.

The Aviation Section is under the supervision of Maj. Del Mar and the ABMA Transportation Office, which was a part of Col. Noncaster's operation when he was ABMA Headquarters Commandant.

MP Sergeant's Work With Kids Wins Award

SAN FRANCISCO, Calif.—Master Sergeant John D. Vekich of (U and Willow Sts.) Port Townsend, Wash., is the first member of the military services to receive the National Rifle Association's Instructor Training Award.

Vekich is a busy man as provost sergeant at the Presidio of San Francisco. But in the past couple of years he has devoted more than 400 hours of his off-duty time to train 150 boys and girls in the safe handling and shooting of firearms.

Ranging in age from 12 to 17, the youngsters are members of the Presidio's Junior Riflers and train with Army .22 caliber target rifles on the Presidio indoor range.

Vekich is a member of the NRA and holds instructor's permits in rifle marksmanship and in the

Several Construction Jobs Are Awarded to Company at Decatur

Col. Harold E. Bisbort, U. S. Army District Engineer at Mobile, Ala., has announced that he has awarded a contract amounting to \$326,772.85 to the Pearce and Gresham Company, of Decatur, Ala., for several small construction jobs at Redstone Arsenal.

Quotations for the work were solicited and received from six prequalified contractors and the contract was then negotiated with the firm submitting the lowest quotation. Col. Bisbort explained that this procedure was used instead of the Corps of Engineer's normal procedure of publicly advertising for bids in order to save time so that the construction, which is urgently needed in the high-priority work of the Army Ballistic Missile Agency, could be started as soon as possible.

In general, the work consists of making improvements to the fuel test area, constructing additional access roads and fencing

hunter safety program. He also serves as a marksmanship merit badge counselor for the Presidio's Boy Scout troop.

ARMY'S NEW COLLEGE PROGRAM AIMS TO PRODUCE BETTER ENLISTED MEN

WASHINGTON—Major General Herbert M. Jones's incoming mail gets heavier by the week. As The Adjutant General of the Army he is on the receiving end of the hundreds of queries arriving in the Pentagon weekly since the Army announced its college education program for enlisted men last March.

Doubts that interest in higher education in the U.S. is low are dispelled by sampling the letters, most of which begin: "I read in the paper or heard on TV that soldiers can go to college. How do I apply?"

Actually it's not that simple.

The Army set up the program to send enlisted men to college as a "soldier program" to produce better leaders and technical supervisors. Its aim is to raise the quality of career soldiers by offering the opportunity to obtain a well-rounded general education or high-caliber technical education to meet specific Army requirements.

It is open only to career soldiers. The service obligation is two years active post-school duty for each 12 months of campus life. General Jones's civilian corre-

spondents are all reminded that only soldiers on active duty are eligible for the education. Recruiters have been instructed not to "sell" an Army career to prospective soldiers by promising them a college education after one year in uniform.

The combat arms and technical services have been quick to spot the benefits that will accrue to their operations by helping enlisted men further their educations. The Ordnance Corps, for example, has already forwarded 64 applications for attendance at top-flight engineer schools.

The Army is not using this project to obtain second lieutenants, nor is it interested merely in training electronic engineers or nuclear physicists.

The new college graduates will not be discouraged from applying for commissions via Officer Candidate Schools or direct appointments, but the program's aim is to retain them as better-educated enlisted leaders.

Courses of study range from accounting to geography, from business administration to bacteriology, and from 16 kinds of engineering to economics and entomology.

Applications are still being accepted for rapid processing for the several hundred soldiers expected to enter college this fall. While in school, they will draw full pay and allowances, and the Army will pay for tuition and other fees and books.

around the guided missile test facility, constructing an accelerator and test cell facility, and modifying an airflow test stand.

The contractor is expected to start operations shortly and to complete all work other than the establishment of grass by the end of the year.

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COMBAT-READY—Soldiers of the U.S. Army in Europe have almost continuous field training exercises. A squad leader scans the German countryside near Grafenwohr with field glasses, keeping his radio man nearby to transmit last-minute intelligence about the next objective to the command post.

INCENTIVE AWARDS

The Incentive Awards program is really paying off for people in every phase of activity on the Arsenal.

Among awards recently made for outstanding performance were those to Henry A. Dihm, Jr., of the Rocket Development Labs, Army Rocket and Guided Missile Agency; Frank C. Godfrey, Technical Feasibility Studies Office, ARGMA; Cecil B. McAllister, Civilian Personnel Office, Redstone Arsenal; and Richard A. Kuhn, Civilian Personnel Office, ARGMA.

Recent Sustained Superior Performance awards to James Solomon and John C. Bryan, Redstone Post Commissary; George Beason, Redstone Medical Division; Robert Labbe, Redstone Provost Marshal Office; Mrs. Betty Stanley and Mrs. Myrtle B. McGregor, Redstone Adjutant Office; Charlie A. Cornelison and Johnnie L. Cooper, Redstone Post Engineer; Bill Clark, Redstone Personnel Training Branch; John E. Fenton, ARGMA Field Service Division; Martina Lamb and Gerald Meyers, also Field Service; and Homer L. Hastings, Redstone Depot.

Jefferson L. Herring of the

ARGMA Industrial Division received a sizeable cash award for a suggestion that will save the government an estimated \$30,380 a year. George Haug, also of the Industrial Division, received cash for a suggestion which saved the government paperwork, storage space, and money.

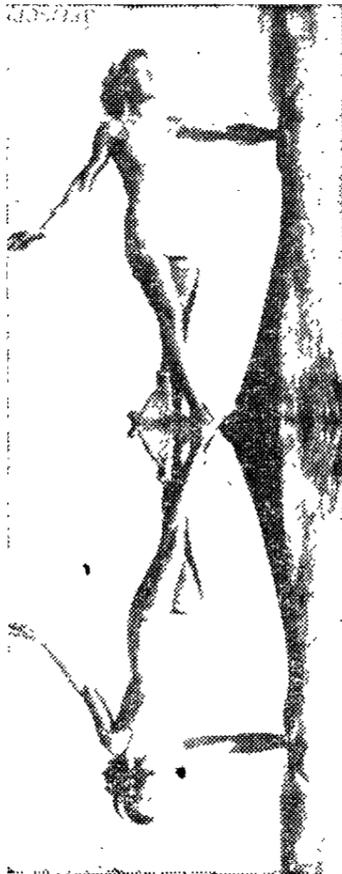
M/Sgt. William Haynes and SFC William S. Linkins put their heads together to improve their barracks' appearance, save space, and win themselves a military cash award (which they split) with a suggestion for building wall locker platforms.

The awards were made by the Redstone Arsenal Post Commander, Col. Keith T. O'Keefe, in recent ceremonies. The soldiers shared \$25.

An Outstanding Performance Rating and a Sustained Superior Performance Award, with cash award of \$300, were presented recently to Robert F. Mello, Chief Civilian Personnel Officer and Director of Civilian Personnel for the Headquarters, Army Ordnance Missile Command. The awards covered the period 31 March 1957 to 1 April 1958.

W.R. Shoemaker Named President of Society for Personnel Administration

The Huntsville Chapter of the Society for Personnel Administration elected W. R. Shoemaker of the Chrysler Corp. Missile Division as chapter president in a recent monthly meeting held at the Huntsville Country Club.



TWO FOR ONE — The old saying that good things come in pairs is proved by Cypress Gardens' lovely Katy Leifhet as she pauses to reflect on the Florida scenery.

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Shoemaker succeeds Robert F. Mello, Chief, Civilian Personnel Office, AOMC, as the SPA president.

Other officers elected were S. H. Jones, vice-president; Luther Adams, treasurer; and Mrs. Gretchen Anderson, secretary.

Program for the meeting included a presentation by the Recruiting Committee entitled, "In-

centivizing Recruitment." Old and new methods of recruitment were discussed. Len Brockman, chairman of the committee outlined the many inducements of present-day recruiting. The meeting was attended by 35 chapter members and their guests.



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'SOP' For Army Wives

Who said that "Variety is the Spice of Life"?
 No doubt 'twas first said by the ARMY WIFE."
 For the poor girl never knows just where she's at;
 She is wherever HE parks his hat.
 She moves every two years into new sets of quarters
 During which time she has sons and daughters.
 She packs up to move to the plains of Nebraska—
 The orders are changed and they go to Alaska.
 Her house may be a hut with no room for expansion,
 It may be a tent or perhaps it's a mansion.
 Then she uncrates the furniture in snow or in rain
 And lays the linoleum between labor pains.
 She wrangles saw horses and builds all the beds,
 Makes curtains of target cloth she last used for spreads.
 And during each move—now isn't it strange—
 The brats invariably catch mumps, measles, or mange.
 She no more than gets settled when she must dress up pretty
 And go to a party and be charming and witty.
 She must know contract rules, mah jong, and chess,
 And whether a straight or flush is the best.
 On every subject she must know how to discourse,
 She must swim, ski and golf and ride any troop horse.
 She must know songs and traditions of the Kaydet Corps;
 She fast learns all details on how "HE" won the war.
 She jitterbugs with lieutenants who always are glamorous—
 She waltzes with colonels who are sometimes amorous,
 She must drink all concoctions: gin, whiskey and beer—
 But, of course, moderately or she'll wreck HIS career.
 He insists on economy, questions every check stub,
 Yet her house must be run like a hotel or club.
 For she entertains at all hours, both early and late,
 For any number of guests, eighty or eight.
 The first of each month there is plenty of cash,
 So she serves turkey and ham—but the last week it's hash.
 She juggles the budget for a new tropical worsted
 Though the seams on her own best outfit have "burst.".
 Then she just gets the uniform payments arranged
 When the blouse is no good—regulations have changed.
 One year she has servants and lives like a lady,
 The next she does her own work and has a new baby.
 At an age to retire, HE is still hale and hearty,
 Fit as a fiddle, life of the party—
 While she is old and haggard, cranky and nervous,
 Really a wreck after his thirty years service.
 But then, when all's said and done,
 She still believes that army life is FUN.
 She has loved every minute, and why, good grief,
 She'd have been bored with doctor or merchant chief.
 But there's one fancy medal—and some army men wear it—
 It's their WIVES should have it—THAT LEGION OF MERIT.

—Anonymous

University of Alabama Gives Honorary Degrees To Medaris, von Braun

Honorary doctor of science degrees were awarded by the University of Alabama to Maj. Gen. J. B. Medaris, Commanding General, Army Ordnance Missile Command, and Dr. Wernher von Braun, Director, Development Operations Division, Army Ballistic Missile Agency, at the University's 127th commencement exercises Sunday at Tuscaloosa.

Other honorary degrees awarded were as follows: Doctor of Laws to Sen. John J. Sparkman, Huntsville; Doctor of Laws to Paul Tudor Jones, Memphis, minister at the Idlewild Presbyterian Church; Doctor of Science to Charles Allen Thomas, St. Louis, Mo., president of Monsanto Chemical Co.; and Doctor of Literature to Frank A. Rose, Tuscaloosa, president of the University of Alabama and former president of Transylvania College.

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 Librarian

New books at the Post Library, Building 3711:
 James Allardice, "At War With the Army."
 Chester Bowles, "Ideas, People, and Peace."
 John Burrell, "Bugle in the Wilderness."
 Albert Camus, "Exile and the Kingdom."
 Winston Churchill, "The Great Democracies," vol. 4.
 John Dos Passos, "Great Days."
 Howard Fast, "Moses, Prince of Egypt."
 Edna Ferber, "Ice Palace."
 Lion Feuchtwanger, "Jephta and His Daughter."
 Peter Freuchen, "Arctic Year."
 Ketti Frings, "Look Homeward, Angel" (play).
 Rumer Godden, "The Green-gage Summer."
 John Gunther, "Inside Russia Today."
 Leslie Hartley, "The Hireling."
 Franklin Haskell, "Battle of Gettysburg."
 Robert Heinlein, "Methuselah's Children."
 Christine Hotchkiss, "Home to Poland."
 Richard Hubler, "SAC: the Strategic Command."
 William Kintner, "Forging a New Sword."
 Stephen Longstrett, "Man of Montmartre."
 Dick Mayer, "How to Think and Swing like a Golf Champion."
 Samuel Morison, "Strategy and Compromise."
 Harry Olesker, "Now, Will You Try for Murder?"
 Samuel Peeples, "Frontier Street."

RELIGIOUS SERVICES — POST CHAPEL BLDG. 3714

PROTESTANT	CATHOLIC
Sunday — 0945 Hours — Sunday School, 1st Session — 4th Grade through Jr. High.	Sunday — 0745 & 0845 Hours — Mass.
1000 Hours — Adult Bible Class	1830 Hours — Youth Religious Group in Chaplain's Office.
1100 Hours — Sunday School, 2nd Session — 3 yrs. of age through 3rd Grade.	Monday — 1600 Hours — Altar Boys' Class
1100 Hours — Morning Worship — The Nursery for babies and small children is open during the morning worship.	1900 Hours — Convert Class.
1800 Hours — Junior Choir Rehearsal.	Tuesday — 1930 Hours — Novena in honor of Miraculous Medal— Choir Practice following Novena.
1830 Hours — Christian Youth Fellowship — ages 12 through Jr. High.	Saturday — 1000 Hours—Catechism Class.
1900 Hours — High school Youth Fellowship.	1800-1900 Hours — Confessions.
Wednesday — 1845 Hours—Chancel Choir Rehearsal.	Daily Mass — 1130 Hours.
Thursday — 1930 hours — Bible Study Group.	CHAPEL NO. 2 (40th Group Area)
CHAPEL NO. 2 (40th Group Area)	CHAPEL NO. 2 (40th Group Area)
—PROTESTANT	CATHOLIC
Sunday — 0930 Hours — Morning Worship.	Sunday — 1100 Hours — Mass.
1830 Hours—Fellowship worship.	
JEWISH: Friday Night Services will be held in Huntsville at the Temple B'Nai Sholom (Corner of Clinton and Lincoln Sts.) at 2000 hours. O'Neg Shabbot (Sabbath Social) at the Temple Annex following services.)	
Jay Redding, "Lonesome Road; Story of the Negro's Part in America."	Beaches." Edward Teller, "Our Nuclear Future . . . Facts, Dangers, and Opportunities."
Eve Stephens, "Victoria and Albert."	Frederick Van de Water, "Day of Battle."
Robert L. Taylor, "Travels of Jaimie McPheeters."	Ester Wier, "Army Social Cus-
Theodore Taylor, "Fire on the toms."	

UNIVERSITY OF ALABAMA

HUNTSVILLE CENTER

JUNE 9 — SUMMER QUARTER 1957-58 — AUGUST 22

MONDAY — WEDNESDAY 6:00-8:00

COURSE	Prerequisite	Sem. Hrs.
Business Law 51, Introduction to Business Law	Perm. of Instr.	3
Chemistry 1, General Chemistry (Lab. Friday 6:00-10:00)	Ma. 11 or Parallel	4
Drawing 31, Engineering Drawing (6:00-10:00)	None	2
Drawing 33, Descriptive Geometry (6:00-10:00)	Drawing 31	2
Economics 11, Principles of Economics	None	3
English 5, English Literature	English 1-2	3
English 66, Shakespeare	Nine hrs. English	3
History 1, History of Western Civilization	None	NC 3
Mathematics 01, Elementary Algebra	None	3
Mathematics 11, Algebra	None	3
Mathematics 15, Trigonometry	Mathematics 11	3
Mathematics 25, Analytic Geometry & Calculus	Mathematics 15	3
Mathematics 49a, Differential & Integral Calculus	Mathematics 25	3
Mathematics 73, Theory of Equations	Mathematics 49	3
Psychology 1, Introduction to Psychology	None	3

MONDAY — WEDNESDAY 8:00-10:00

Accounting 1, Principles of Accounting	None	3
Biology 2, General Biology (Animal) Lab. Thurs. (6:00-10:00)	None	4
Business Statistics 1, Mathematics of Finance	Mathematics 11	3
Drawing 31, Engineering Drawing (6:00-10:00)	None	2
Drawing 33, Descriptive Geometry (6:00-10:00)	Drawing 31	2
English 03, Fundamentals of English	None	NC 3
English 1, English Composition	None	3
English 2, English Composition	English 1	3
History 38, Latin-American History since 1808	None	3
*Management 51, Industrial Management	Economics 11, 12	3
Mathematics 95, Differential Equations	Mathematics 51	3
MH 81, Statics	Physics 5, GES 12, Ma. 51	3
MH 128, Mechanical Vibrations	MH 82, 93, 94, Ma. 124 or 95	3
Physics 5c, Technical Physics (Lab. Thurs. 5:30-8:00)	Mathematics 15	3
Physics 6c, Technical Physics (Lab. Tues. 5:30-8:00)	Physics 5c	3
Political Science 1—Principles of American Government	None	3

TUESDAY — THURSDAY 6:00-8:00

Accounting 2, Principles of Accounting	Accounting 1	3
Drawing 32, Engineering Drawing (6:00-10:00)	Drawing 31	2
English 1, English Composition	None	3
English 2, English Composition	English 1	3
History 2, History of Western Civilization	None	3
Mathematics 15, Trigonometry	Mathematics 11	3
Mathematics 25, Analytic Geometry & Calculus	Mathematics 15	3
Mathematics 49b, Differential & Integral Calculus	Mathematics 49a	2
Mathematics 51, Differential & Integral Calculus	Mathematics 49	3
ME 102, Thermodynamics	Ma. 51, & Phys. 6	3
*MH 94, Strength of Materials	MH 81, & Ma. 51	4
Physics 53, Atomic and Nuclear Physics	Phys. 5-6, Calculus	3
Political Science 3, Functions of American Government	Political Science 1	3
Spanish 1, Elementary Spanish	None	3
ME 1, Mechanisms (Lab. Fri. 6:00-10:00)	DR 31, Math, 51, Phys. 5	4

TUESDAY — THURSDAY 8:00-10:00

Accounting 3, Intermediate Accounting	Accounting 2	3
Accounting 104, Introduction to Auditing	Accounting 53, 101	Cert. Cred.
Astronomy 1, Introduction to Astronomy	None	2
Drawing 32, Engineering Drawing (6:00-10:00)	Drawing 31	2
English 6, English Literature	English 1 and 2	3
GES 12, Engineering Preview	Mathematics 11	2
History 22, History of United States since 1865	None	3
Mathematics 01, Elementary Algebra	None	NC 3
Mathematics 11, Algebra	None	3
*ME 106, Heat Transfer	ME 51 or ME 102	3
ME 109, Thermodynamics	ME 51	3
Physics 7c, Technical Physics (Lab. Mon. 5:30-8:00)	Physics 5c or 6c	4
Psychology 29, Applied Psychology	Psychology 1 or 3	3
Speech 1, Basic Speech	None	3
*Management 51—This course usually interchangeable with IE 51.		

Persons registering for English 1 and Mathematics 11 for credit will be required to take entrance examinations in those fields. These examinations are given at the Center, June 10 at 6:00 o'clock and at 8:00 o'clock P. M.

*MH 94—Extra problem sessions required.
 **ME 106—In all probability ME 106 & 109 will not be taught. Both have same prerequisite and it is believed that at least one will be taught.

Classes not enrolling sufficient number of students will be postponed until next term.



CAKE-CUTTING AT NCO CLUB—Col. Keith T. O'Keefe (second from right), Post Commander, Redstone Arsenal, cuts the cake at open house ceremonies Friday at the newly remodeled and redecored Non-Commissioned Officers Open Mess. Looking on are (left to right) Maj. Jesse Garner, Troop Commander, Redstone Arsenal; M-Sgt. Rudolph A. Weaver, this year's NCO Club president, and M-Sgt. James F. Shelton, who supervised the entire renovation project to its completion. Col. O'Keefe and Maj. Garner were among post officers who were guests of the non-coms for the event.

OFFICERS GET RARE VISIT TO NCO CLUB AT OPEN HOUSE CEREMONY

Top officers of Redstone Arsenal's commands and agencies got a rare opportunity Friday to visit one building on the huge arsenal that is usually off limits to them.

The commanders attended the open house from 2 to 4 p.m. on the Memorial Day holiday at the newly remodeled and redecored Non-Commissioned Officers Open Mess—usually called the NCO Club—and inspected one of the most elaborate and completely equipped recreational centers on the post as well as in the state.

Official host for the occasion was M-Sgt. Rudolph A. Weaver, sergeant major at the Army Ordnance Guided Missile School, who is this year's NCO Club president.

Weaver said the formal re-opening of the club marks the end of a three-year drive to provide adequate recreational and

entertainment facilities for the organization's 800 members. The renovation program was completed at a cost of \$30,000 raised by the sergeants and corporals. In 1955, the Club had only 35 members and a \$7,000 debt.

Weaver compared the new facilities to those of Huntsville's Elks Club. The Club is located in the OGMS area near troop quarters at the north end of the Arsenal. It is approximately 300 feet long and 75 feet wide. Air-conditioning in the remodeled structure is supplied by 21½ tons of equipment. Lounges, dining room, dance area, television and game rooms and a completely re-equipped kitchen with stainless steel automatic appliances throughout are features of the newly redone Club.

The decor is polished natural pine paneling with green and crimson floor tiles, indirect colored lighting in lounges and new furnishings throughout the building in vari-colored shades of color.

The remodeling program was initiated by M-Sgt. Robert T. Gibbs of the Post Quartermasters who served as president for two years prior to Weaver. Custodian during much of the remodeling was M-Sgt. Allen C. Helson of the Arsenal Troop Command. He has now been succeeded by M-Sgt. James F. Shelton who supervised the entire project to its completion.

A dance Friday evening rounded out the re-opening program.

Division Is Readied For Combat Flight In 36-Hour Alert

FORT CAMPBELL, Ky. — The 101st Airborne Division proved recently that it can ready every man and piece of fighting equipment for an air hop to combat in a day and a half.

At 4 a.m. one morning the division surprised more than 10,000 paratroopers with its first full-scale practice alert.

By 4 p.m. the next day all soldiers, weapons, ammunition, vehicles and supplies were ready for loading in aircraft capable of flying them anywhere in the world.

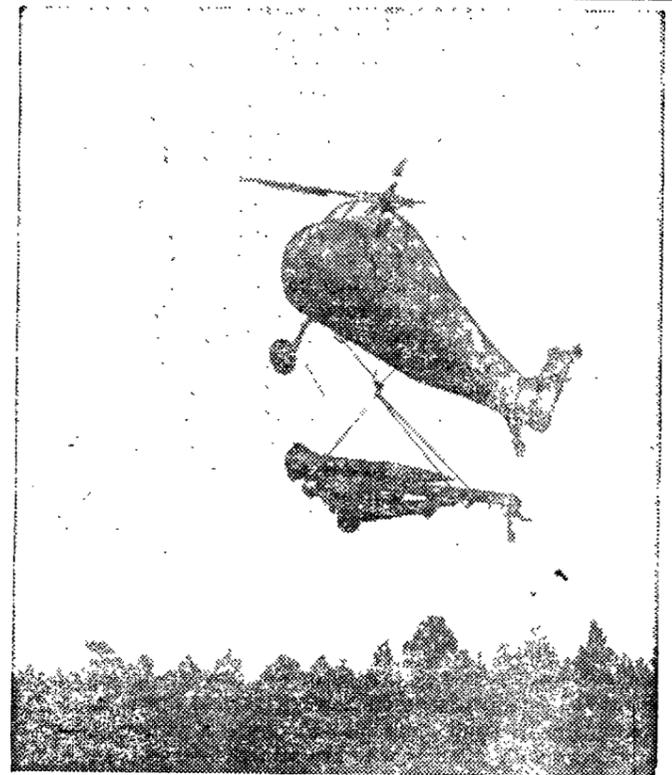
In the interim there were 36 hours of back-breaking work in bad weather for the division which characterizes itself as "America's fire brigade."

Many soldiers away from their units were called back. Every man separated his battle gear from his personal belongings and packed the latter for shipment home. He turned over his automobile and settled other personal matters with powers of attorney.

Units inventoried all property not needed in combat and turned it over to post agencies. Pictures came off the walls and non-essential papers were pulled out of field files. Mess halls were closed and cleaned and the soldiers went immediately on C rations.

Lieutenant Colonel John K. Singlaub of (14636 Sutton St.) Sherman Oaks, Calif., operations officer, was responsible for the detailed plans.

"Our performance far exceeded expectations," said Brigadier General R. H. Tucker, acting commander of the 101st, during his critique of "perhaps our most important test since we went



PENTOMIC PUNCH—A helicopter of the 82nd Airborne Division easily moves a Little John rocket and launcher to a better firing position during field exercises at Fort Bragg, N.C. Little John is a lighter and smaller variant of the Honest John rocket, and also may carry an atomic warhead.

pentomic. But it wasn't perfect. We're already at work on ways of cutting hours off our time."

Herlong Named Official of Methodist Group

Dwight Herlong, Control Office, ARGMA, was elected vice-president of Young Adults for the North Alabama Conference of the Methodist Church at its annual assembly held May 23-25 at Camp

Sumatanga, near Oneonta. Norman Westbrook of Irondale was elected conference president.

In this office, Herlong is to encourage the growth of Young Adult departments throughout the conference.

He has previously held the office of president, Alabama Conference, Young Adult Assembly, and district and sub-district director of Adult Work in the Mobile District.

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Divisions In Korea Give Evasion Tests Serious Attention

TONGGU, Korea—The two men lying flat on their stomachs held their breaths as the crunching of the guard's footsteps neared.

They had reversed their field jackets and trouser liners to the white side so only a very close inspection would reveal their outlines against the blanket of snow.

With a sigh of relief that melted the snow near their faces, the two soldiers of the First Cavalry Division saw the guard silhouetted against the sunset as he walked away over the hill. In a few moments it would be dark and they could make their escape.

Change the locale and the season, and similar scenes are occurring wherever American soldiers are stationed throughout the world. It is part of the survival, evasion and escape training to which the Army is this year giving increasing emphasis in realistic field problems or in theoretical classroom instruction.

Introducing the realistic details to this particular confidence-building problem was the job of Second Lieutenant James A. Windsor of Atco, Ga., who was pleased when most of his men slipped past the patrols.

"But those who made the mistake of using roads and paths or of walking—instead of crawling—across the tops of hills were almost inevitably captured," he observed.

If captured, the soldiers are taught to observe the Code of Conduct and tell the enemy nothing but name, rank, service number and date of birth.

One Seventh Infantry Division soldier in Korea saw to it that he never got as far as the interrogation test during his unit's recent evasion problem. Captured briefly and placed, shoeless, in a truck he escaped and walked barefoot all night the 18 miles to safety.

"It was the best field exercise I've ever seen," was the bland comment of the footsore Sergeant Donald J. Proctor of Boulder, Colo.

Airman Achieves Army Immortality

FORT SAM HOUSTON, Tex.—Air Force Captain Ferd B. English has a name that a 20-year generation of Army officials apparently likes the sound of. He's always appearing on Army orders.

His "John Doe" career began when he was ten years old. His mother, Mrs. Ione Boehly, was a civilian worker then as she is now with the Fourth U.S. Army headquarters here. She began using her son's name on sample duty orders for summer camp training plans. For some years these samples were sent to ROTC schools in Texas, Arkansas, Louisiana, Oklahoma and New Mexico.

Thus began the growth of a knotty ball of yarn not worth precise untangling. All Mrs. Boehly knows for sure is that recently she was examining a nationwide plan drawn up last year by Headquarters, U. S. Continental Army Command, and lo—there on a sample ROTC order was the name of Ferd B. English, after 20 years well on its way to Army immortality.

READ THE WANTADS

Spaugh Heads ABMA Financial Management Office, Sanderson Civilian Personnel

Recently appointed to staff assignments in the Army Ballistic Missile Agency are James I. Spaugh, as Chief, Financial Management Office, and Arthur E. Sanderson, as Chief, Civilian Personnel Office.

Spaugh, who attended Purdue University, LaFayette, Ind., was previously Comptroller at Ft. Carson, Colo. Prior to that he was

U.S.N., Dayton, O. He is a native of Hope, Ind.

Sanderson, who was previously deputy chief of the Civilian Personnel Office at the Agency, attended Sterling College, Sterling, Kan., and Washington University, St. Louis, Mo. Prior to coming to ABMA he was civilian personnel officer for the St. Louis Ordnance District. He is a native of Kansas.

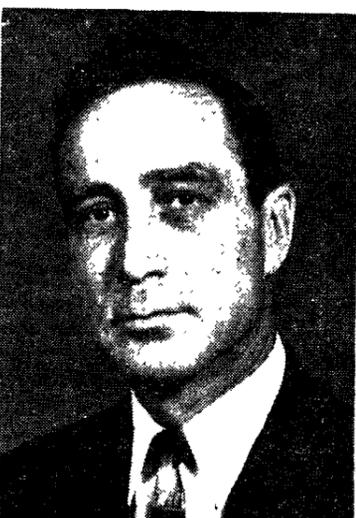
* * *

* * *



JAMES I. SPAUGH

Comptroller at Camp Atterbury, Ind., and management advisor, Bureau of Aeronautics General Representative, Central District,



ARTHUR E. SANDERSON

out to clear the runways. Not of snow—that's the job of the engineers—but of North American bison, or buffalo.

It's a real chase, not a shoot. The herd is a protected one.

Not long ago the desk sergeant dispatched some MPs in answer to a frantic phone call from a woman on post who was frightened by an animal scratching at her door. This time their practiced shoeing technique was applied against a giant grizzly bear.

READ THE WANTADS

Military Policeman's Alaska Job 'Shoo-in'

FORT GREELY, Alaska—Military police at this northern Army post perform the usual Army MP duties—with one or two unique exceptions.

Sometimes, when a plane is due on the airfield, they are called



'SEE HERE, SOLDIER?'—Sgt. James J. O'Neill (right), Post Re-enlistment NCO, shows some of his new "Re-up" literature to a good "prospect," SP2 James H. Caughran, of Hq. Det. A, OGMS. Four racks of such new materials are being set up by Sgt. O'Neill, at the Main PX, the Troop PX, the re-enlistment office in Bl. 3480, and the fourth at either the Service Club or Post Theater.

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U. S. WEATHER BUREAU STATION IS SLATED FOR HUNTSVILLE AIRPORT

A U. S. Weather Bureau station is expected to be installed at the Huntsville-Madison County Airport by August 1, according to J. E. Mitchell, Jr., chairman of the Airport Authority. Final approval for the unit from Bureau headquarters in Washington, D.C., was given Monday, Mitchell said.

Accurate, official weather forecasts will be available for Huntsville and area through the new weather station. The service is expected to be of great value to private and commercial aviation at both the airport and the Redstone Arsenal airfield, to farmers and construction workers — and to the development of missiles at the Army Ordnance Missile Command facilities here.

"The weather plays a vital part in the scheduling of operations in connection with the development of missiles," Col. John G. Zierdt, AOMC Chief of Staff, stated. "The size and delicate nature of the missiles make it extremely important to avoid attempts to handle them in and out of test stands during high winds. Forecasts of adverse wind conditions would facilitate the scheduling of tests immeasurably. In connection with fuel and oxidizer transfer tests, there is a need for information concerning barometric pressures, ground wind velocities, and ambient temperature. This information should be available in the form of record charts for subsequent reference in conjunction with the prior testing."

Weather information is also important in the testing of ground support equipment, such as cranes; components requiring outside erection for further test and development; and field tests of certain mobile equipment and electronic instrumentation apparatus.

The weather station will be housed in quarters located in a proposed large maintenance hangar at the airport, Mitchell said. Hangar plans have been completed and are ready for bid in the near future, he added.

The Weather Bureau had tentatively agreed on May 19 to provide both personnel and weather equipment for the unit if funds for salaries and equipment could be provided by some other government agency.

The Army Ordnance Missile Command will finance the project for the first year, it was announced by Maj. Gen. J. B. Medaris, Commanding General.

Similar assistance was provided last year for the establishment of the control tower at the airport.

Tough Educational Program Rewards Careerest Officer

FORT POLK, La.—Life is beginning at 40 for Lieutenant Colonel Lawrence A. L. Scheffel of (150 Prospect Park West) Brooklyn, N.Y.

He was promoted to his present rank in January of this year. February saw him integrated into the Regular Army. In March he learned that he had passed the bar examination to practice before the U.S. District Court, District of Columbia.



PROUD DAY FOR A SERGEANT—M/Sgt. Donald G. Stewart, a member of the 2nd Enlistment Training Detachment accepts the Commendation Medal with Ribbon Pendant presented to him by Maj. Claude E. Cason, School Troops Commander at the Ordnance Guided Missile School. Looking on is Sgt. Stewart's commanding officer, Capt. James M. MacDonnell. Sgt. Stewart is a former member of Battery C, 401st AAA Msl Bn, Hales Corners, Wis. He received the award for outstanding service as Fire Control Platoon Sergeant. In the Citation presented to Stewart it stated that he was "not only highly trained in his MOS but is also an extremely capable and dependable non-commissioned officer. His voluntary contribution of normal off-duty time to perfect training and repair equipment malfunctions denotes he is an individual with outstanding caliber and integrity found in very few and is of great value to the Army." It further stated that Sgt. Stewart was influential in the building of a strong NCO Club at the Wisconsin base.



This was the culmination of a personal education program that has resulted in two college degrees earned at his own expense during off-duty time. The first milestone was passed in 1950 when Brooklyn Law School conferred a law degree on him, the result of more than three years' attendance at night classes after his working day at the New York Port of Embarkation was ended.

In 1956, while assigned to the office of the Army Chief of Transportation, he earned a master's degree in comptrollership from George Washington University. Last year he spent six months taking evening "cram courses" to prepare for the District bar examinations.

Scheffel had a baccalaureate degree from City College of New York and an ROTC commission when he began his active Army

career as an infantry officer in 1941.

During the first of three duty tours in Korea, Scheffel in 1946 met his wife, Captain Malvena Nusbaum of Denver, Colo., an Army inspectors general.

Army nurse. He recently returned to his family and job here as inspector general of the Second Logistic Command after attending a special Pentagon course for Army inspectors general.

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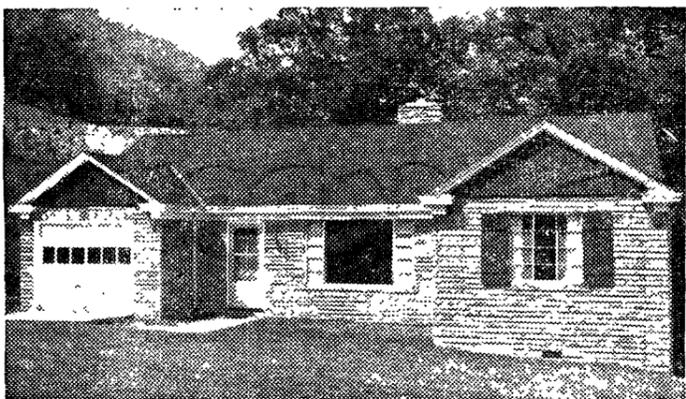
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COL. NEWHALL SPEAKS AT TRADE SCHOOL GRADUATION CEREMONIES

More than 800 graduates of the Tennessee Valley State Trade School at Decatur are now employed at the various agencies of Redstone Arsenal, and the need for skilled missile workers is steadily increasing. Col. H. S. Newhall told the 1958 graduating class of the Trade School last Friday.

Col. Newhall, commandant of the Ordnance Guided Missile School, was principal speaker at the 17th annual graduation exercises as 129 students received diplomas in the State Trade School's Auditorium, Memorial Day morning.

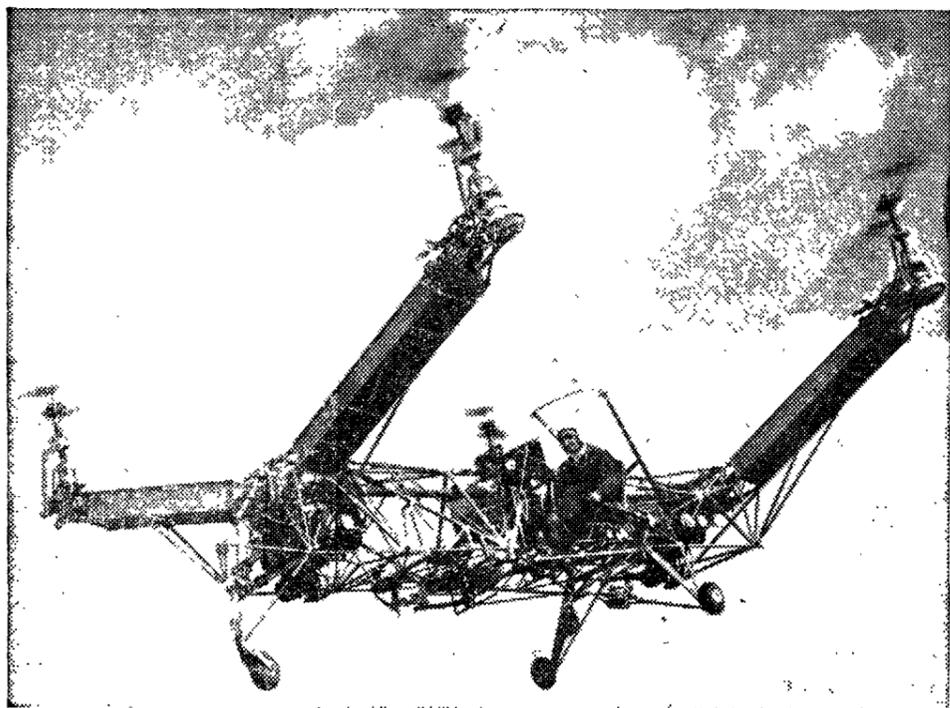
More than 6,000 persons have been trained in various technical jobs since the Trade School was established in 1941.

Col. Newhall, who commands the Army's only school devoted exclusively to guided missile training, stressed the increasing complexity of new missile systems now being developed and emphasized the national need for a large skilled manpower pool in the rapidly developing "Age of Space."

He was introduced by Carlton Kelley, director of the State Trade School, after officials from the 10 counties served by the institution in North Alabama had toured the shops and classrooms.



ENJOY "OK" USED CAR SAVINGS BUY WITH WARRANTED CONFIDENCE HILL CHEVROLET CO.



EXPERIMENTAL QUADROTOR—Not something swept up from the floor of the Wright brothers' bicycle shop but the latest in multi-rotor helicopters being researched for the Army is this skeleton of a four-engined craft. Its potentially biggest advantage over single and twin-rotor models is its ability to carry heavy loads short distances over combat terrain obstacles such as rivers and hills.

ARMY EMERGENCY RELIEF FUND DRIVE ON AT OGMS

Leaders of the current Army Emergency Relief fund drive this week will seek contributions from civilians who work at the Ordnance Guided Missile School and have relatives in the military service.

Maj. J. A. Shaw, executive officer of the OGMS School Troops and director of the fund drive, said as many as one-third of civilians employed at the School have members of their immediate families or close relatives in the Army.

In the numerous cases where a husband is stationed here in the service and the wife has a civilian job on the post, it is in the very special interest of the family for both to make contributions to Army Relief," Maj. Shaw said.

"In this way, both are ensuring continuance of this unusual fund which is geared to give fast aid in cases of family need that are beyond the scope of many other relief organizations — cases that involve loans at no interest to cover non-receipt of military pay and allowances, advances for emergency leave expenses, doctor and hospital bills and other hardship cases," Maj. Shaw pointed out.

"One outstanding advantage of the AER fund is that company commanders can give quick aid on a 24-hour basis without a great deal of red tape," he emphasized.

A whirlwind campaign just before the Memorial Day weekend yielded more than \$800 in AER contributions, Maj. Shaw announced. He listed the following re-

sults from OGMS units.	
Hq & Hq Det. A	\$104.83
Hq & Hq Det. B	150.51
1st ETD	283.50
2nd ETD	165.15
32nd Ord. Det.	28.80
207th Ord. Plat.	7.00
205th Ord. Plat.	24.18
217 Ord. Det.	21.50
Hq & Hq UTC	16.50
Misc.	8.23

Posters and contribution jars are placed in all heavily used locations at OGMS, Maj. Shaw said.

700 Applications in For Army's EM College Training Program

Secretary of the Army Wilber M. Brucker has announced that over 700 applications have been received in two months from enlisted personnel anxious to take advantage of the Army's new college training program.

Secretary Brucker emphasized that the applications are from soldiers who intend to make the Army their career. The studies are intended to give the Army a hard core of expert specialists and non-commissioned officer leaders.

Forty-one candidates have been selected so far to begin two-year courses starting in June at the Technical Extension Division, Purdue University, Ft. Wayne, Ind., and the Milwaukee School of Engineering, Milwaukee, Wis.

Upon completion of this training, these 41 students will be assigned to duties in the guided missiles and special weapons field. This training is under sponsorship of the Army Chief of Ordnance.

Applications in the Army enlisted training program in civilian educational institutions continue to come in and selections are still being made for the Fall term. Applications received after June 1 will be considered for terms beginning next year.

No definite number of personnel to participate in the program has been set. This depends upon projected needs of the respective training agencies and availability of funds. Those accepted are being screened on a basis of educational potential. The soldier must have completed a year of service, be a high school graduate, and be able to complete his special training before the age of 35.

location, You might easily take it for Grand Central Station, Yet, "No tourists allowed" is the latest notation, Blame it on Mail and Records.

Come in and quickly demand a letter, You've forgotten the subject? So much the better, It's probably in your desk beneath a pile of litter! Blame it on Mail and Records... The messenger routes something, but in the wrong place, Then go in and yell right in their face. "M & R, You're supposed to be every place." Blame it on Mail and Records... Forget an inclosure, a stamp, or a list in detail, Then stomp, and rant till they quake and turn pale. "Since when did you start eating the mail?" Blame it on Mail and Records...

This poor little Section is wearing away, Do you know what'll happen some unfortunate day? A heavy wind will come by and just blow them away! AND THEY'LL BLAME IT ON MAIL & RECORDS!!

'Mail and Records Lament': a Poem

(Editor's note: The following bit of immortal (and anonymous) verse was submitted to The Rocket by an employe (also anonymous) of the ABMA Mail and Records Section. It's called, appropriately enough, "Mail and Records Lament.")

Oh, listen my friends, to the tale of a section:

If you have a complaint in any correction!"

Just run in and yell, "I want a correction!"

Blame it on Mail and Records...

If you make an error, or are in any doubt,

Just leave it a week, then dash in and about,

"I know that I put it in my box marked OUT."

Blame it on Mail and Records.

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Capt. Adams Wins in Rifle Competition

At the Monthly National Rifle Association Approved Match held at Birmingham, on 25 May Capt. George H. Adams, USAOMC, was the grand aggregate winner with 1028 points out of a possible 1100. He therefore won the Birmingham Traveling Trophy and was individual winner of the Centerfire National Match Course and 1st expert in the 22 cal. rapid fire and NMC.

Sfc. Robert O. Perry, OGMS, was 2nd expert in the Centerfire NMC. SP3 Donald R. Watkins, Det. D, USA Gar., was 1st sharpshooter in the .22 NMC and rapid fire matches. CWO Daniel D. Cogswell, OGMS, was 2nd sharpshooter in the Centerfire NMC. SP3 Fred E. Newton, OGMS, was 1st sharpshooter in the Centerfire and 45 NMC and 2nd sharpshooter in the 22 cal. rapid fire and NMC. Lt. Roger R. Burrows, ARGMA, was 2nd marksman in the Centerfire NMC.

UNIT LEVEL SOFTBALL STANDINGS

Thru 23 May 1958

Team	Won	Lost
Dill Officers	3	1
Hq UTC	2	2
A Det	1	2
9615th	1	3
Hq USAOA	3	1
B Det OGMS	1	3
A Det OGMS	4	0
Brown Officers	2	2
1st ETD	2	2
Gothard Officers	4	0
B Det	1	3
96th Ord	1	4
864th AF Sq	4	0
C Det	0	4
217th Ord	2	2

Special Services Activities

Post Gymnasium Operating Hours
Monday thru Friday 1400-2200
Saturday 0900 - 1200 and 1300 - 1630.
Sunday 1300-1600

Golf Driving Range and Archery Range Operating Hours
Monday thru Friday 1400-2100.
Saturday 1300-1900.
Sunday and Holidays 1400-1900.

Craft Shop Operating Hours
Monday and Tuesday—Closed.
Wednesday thru Friday 1400—1630 and 1730—2200.
Saturday and Holidays 0800-1630
Sunday 1230-1930

LIBRARY OPERATING HOURS
Monday thru Friday 1100-2200
Saturday and Holidays 1000-2200.
Sunday 1200-2200.

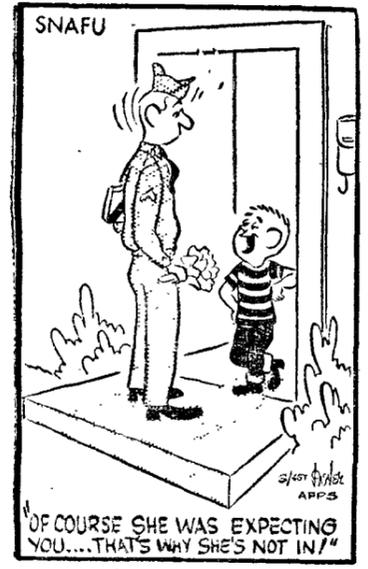
Post Service Club Operating Hours
Monday thru Friday 1600-2200.
Saturday 1000-2200.
Sunday and Holidays 0900-2200.

Post Swimming Pool
Monday thru Saturday 1000 - 2000.
Sunday 1200 - 2000.
Odd days of the month are reserved for Enlisted personnel, their families, and guests. Even days of the month are reserved for Officers, their families and guests.

SPORTS QUIZ

(AFPS Weekly Feature)

- Who was the last pitcher to win 30 or more games in the American League?
 - Who was the last pitcher to win 30 or more games in the National League?
 - What two players reached the major leagues despite being handicapped by the loss of a hand or arm?
 - After he became champion, Rocky Marciano had six bouts in defense of his title. He fought one challenger twice in those six matches. Who was it?
 - What team scored the most points during the 1957 National Football League season?
- (Answers to Sports Quiz)
- Lefty Grove won 31 games for the Athletics in 1931.
 - Dizzy Dean won 30 games for the Cardinals in 1934.
 - Hugh (One Arm) Daly and Pete Gray.
 - Ezzard Charles.
 - The Los Angeles Rams scored 307 points.



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PICNIKER—Who needs anything else for a picnic when this week's Rocket Pin-up's along? Posing in the post picnic area on the banks of the Tennessee River is Miss Glen Hipp, an Arab native who works in Finance and Accounting, ARGMA.



the enemy so closely he is unable to drop a low yield weapon on us."

According to C D E C's experiments, the infantry company of the future might well have frontage of 5,000 to 14,000 yards, as opposed to the present concept of 600 to 1,000 yards. Tomorrow's "shoot and scoot" tactics require more firepower, more battlefield mobility and more advanced combat surveillance.

One way by which CDEC scientists are obtaining controlled realism is through the use of simulators, such as a camera-mounted weapon. When soldiers squeeze the trigger, they shoot pictures instead of bullets. Scientists then analyze the film for hits.

Dark goggles turn day into night for soldiers simulating a night problem. But trained observers minutely record and photograph their movements in daylight.

An advisory committee of five top scientists on the West Coast meets twice yearly with General Gibb and his staff to advise on the scientific quality of the studies.

SCIENTIST-SOLDIER TEAM STUDIES TACTICS, TOOLS OF SMALL A-WARS

FORT ORD, Calif. — A far visioned approach to ground warfare is under way at the huge Hunter Liggett Military Reservation, 115 miles south of this headquarters location for the U. S. Army Combat Development, Experimentation Center.

CDEC is a radical and scientific laboratory approach to the military problem contained in the premise that in future wars there will not be time to develop the tactics and tools to meet the enemy's standards, after hostilities have begun.

Some 3,000 troops are at the call of 52 Army officers and 20 civilian scientists here to simulate controlled but realistic field experiments from which data is collected and analyzed.

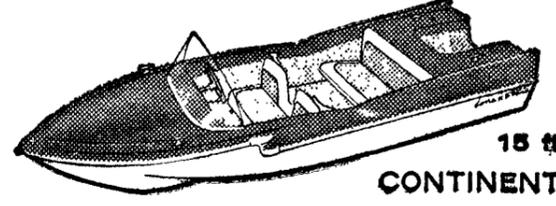
CDEC was established in 1956 by General Willard G. Wyman, commander of the U.S. Continental Army Command. CONARC is responsible for training today's Army while developing the Army of the future.

With Brigadier General Frederick W. Gibb as its head and Dr. Ian W. Tervet as research deputy, CDEC is racing the clock of survival to evaluate entirely new concepts of land warfare by 1960.

Their main goal is to figure out the best way to fight a limited atomic war. Their main precept is that, if war comes, it will have to be fought with the tactics and tools then in the hands of troops and that use of yesterday's weapons and tactics will be at the cost of lives, and even battles.

"One of the main purposes of the combat of the future," says General Gibb, "will be to destroy the enemy without closing with him. We must strike in such a way that the enemy is forced to group and thus leave himself exposed to a low yield atomic strike. On the other hand, we must develop 'hugging tactics' that follow

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FOR SALE—bluff lots on Crescent Drive, Monte Sano, 'For Sale' sign on property. C. A. Jennings, Phone JE 4-4270. 117 Lynnwood Court. ttc

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FOR SALE—4 cyl. 1953 Henry J. \$275.00. Call JE 6-3910 after 5 p.m. ttc

FOR SALE — 3 bedroom house with den in one of the nicest sections of Gunter-ville Small down payment, FHA approved. Call Cornelius Real Estate Co., JUstice 2-3027, Gunter-ville, Alabama. 6-25c

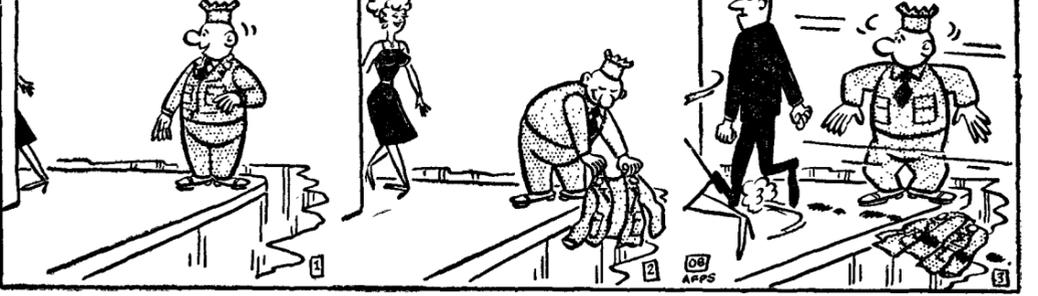
FOR SALE — 1955 Evinrude 25 h.p. outboard motor. Contact SP3 Simons at Redstone, ext. 5323 or 5425 or call JE 6-8445 after 6 p.m. ttc

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Hartselle, Ala.

Operation Blonde



STUFFY



Charley Noble



Four Participate in Mobile Rifle Shoot

Four members of Redstone Arsenal units were participants in a Small Bore Rifle Tournament held recently in Mobile, CWO-2 John

W. Mann, Jr., OGMS, placed second in the Sharpshooter Class. Others attending from here were Capt. Frederick L. Young, AB MA; SFC Ed M. Beeler, OGMS,

and Pfc Donald L. Galbraith, AB MA. Persons interested in joining a rifle club being formed should contact Mann at Ext. 6110.



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WASHINGTON — Closed circuit color television is proving a boon at Walter Reed Army Medical Center, one of the world's great research, teaching and treatment enclaves.

No longer is it necessary for a student to peer around the backs of operating room personnel at long distance to try to see what in many cases only the surgeon can see with exactitude. The operating room theater is a thing of the past at Walter Reed, where the TV system has been in operation for its first experimental year.

So is the confusion and danger to the maintenance of sterility in the presence of a cameraman.

The ceiling-mounted TV camera is remotely controlled from the main studio, where the operator focuses, selects and changes lens, and follows the action with tilt and pan controls. The camera mount can be turned 360 degrees and the camera moves on runners the length of the mount.

Students are therefore able to view the operation in minute detail from any of the 170 viewing locations throughout the Center. Or they may see it in an auditorium, projected on a 6x4-foot screen, its entire area perhaps covered by an enlarged tooth while a teaching dentist demonstrates a new technique from the Central Dental Laboratory.

A unique piece of equipment is the color TV microscope camera mount, designed by the Television Department in cooperation with RCA engineers, and built by the Biographical Instrumentation Division at the Walter

Reed Army Institute of Research. This enables enlarged color reproductions of microscopic life to be viewed on a TV screen so that groups of students or biologists may study and discuss micro-organisms without taking turns to glue their eyes to a microscope.

The operating room, pathology lab and microscope cameras are adding another dimension to medical science.

It is usual in certain cases for a surgeon to send to the pathologist through a pneumatic tube any tissue removed from a patient. The pathologist telephones

his malignancy determination to the surgeon.

Now at Walter Reed the pathologist can televise the tissue slide to the operating room and discuss it with the surgeon while viewing the operating area himself.

Meanwhile, in the auditorium students can watch the scene in enlarged detail and listen to the experts' discussion or running commentary, spoken through a microphone inserted into the surgical mask.

As an efficient teaching device, the TV system goes further a-

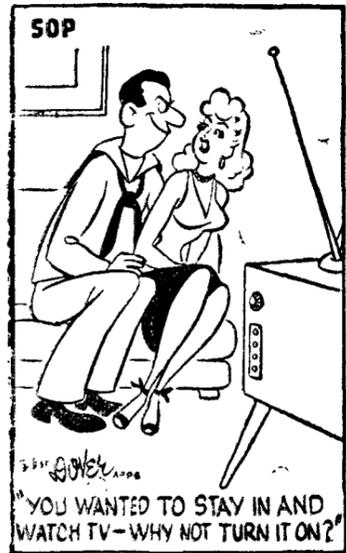
field than the Center's nurses, technicians, and post-graduate doctors, dentists, veterinarians, pathologists, biochemists, prosthetic device researchers, etc.

Live telecasts, inexpensively recorded on 16mm color sound film, are mailed worldwide wherever there are Army doctors to keep them at a peak of up-to-minute competence.

Instruction from the Center's world-renowned medical authorities is piped by microwave network—with expansion planned—to the National Naval Medical Center and the National Institu-

tes of Health in Bethesda, Md. and programs sent at private expense over leased telephor wires have been viewed at national professional meetings as far away as New York.

As a possible answer to the shortage of science teachers, an experiment in teaching calculus to mathematics teachers is being made with WRAMC-TV facilities by the University of Maryland in association with the National Academy of Science's Research Council and the American Association for the Advancement of Science.



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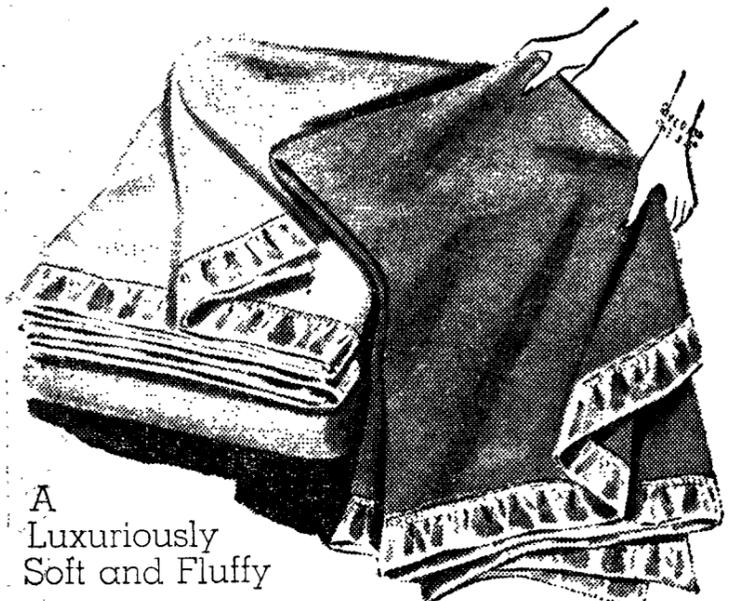
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