

The Redstone Rocket

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May 12, 1982



Armed Forces Day

Missile and helicopter displays and a parade will highlight Armed Forces day at Redstone Arsenal tomorrow.

The public is invited to come out and look at displays which will be on the parade field beginning at 2 p.m. and watch the retirement review parade at 4 p.m. The parade field is just south of Gate 10 on Patton Road behind the post theater.

There will be an indoor ceremony at the post gym if it rains.

Army squeezes more miles from old cars and trucks

Having to squeeze more and more miles out of an aging fleet of cars and trucks is not making automotive equipment specialists the most popular guys on the arsenal.

"We're continuously rotating vehicles and this is where everybody gets mad, when we take an old MP car and give it to them," says Robert Sartain.

"It's understandable. They've got an automobile they've taken real good care of since it was new, and then we give them one that's been run through the bushes . . ."

But Sartain and his co-worker Jerry Quinn, who handle vehicle utilization for Equipment Management Division, say what they're doing is necessary to keep Redstone rolling, because the Army, like the

public, just doesn't seem to be buying many new cars these days.

Redstone has 694 cars and trucks that travel more than six million miles a year. Virtually all are at least three years old and a few have been around for a decade.

All sedans in the fleet are 1979 models or older and all pickup trucks date from 1978 or before.

Some cars and trucks such as those assigned to the MPs and the Redstone Readiness Group may travel 25,000 miles or more in a year, while others may be driven much less than that.

"We rotate the low mileage vehicles to the high

(Continued on page 11)



Missile systems use metrics

BY SKIP VAUGHN

National Metric Week, May 9-15, finds the Army and NASA among voluntary users of the metric system.

Although the U.S. is one of the few nations that has not adopted the system, President Reagan has encouraged voluntary compliance with the Metric Conversion Act of 1975.

Metric week was originated by the National Council of Teachers of Mathematics, headquarters in Virginia. It was joined in this effort by the U.S. Metric Board, a federal agency, the American National Metric Council, a private organization, and the U.S. Metric Association, a professional organization.

Alabama Gov. Fob James has signed a proclamation this year and a joint proclamation was signed by Huntsville Mayor Joe Davis and Madison County Commission Chairman Mike Gillespie.

"All people are reminded that they should think about the metric system. Give it a fair chance and see if they can use it whenever possible," says Ernst Lange, who works part-time in the UAH metric information office.

"Practically all countries of the world have adopted it. And the reason is the metric system is so much simpler," Lange adds. "You simply shift the decimal and go from one unit to another and also you can make much less errors with it."

At Redstone Arsenal, the Army TMDE Support Group and weapons systems managed here are among metric users. NASA, which has a metric display this week in its headquarters building, also uses the internationally-accepted system.

Metrics means a lot to TMDE Support Group whose mission is the calibration and repair of all general purpose test, measurement and

diagnostic equipment used by the Army worldwide.

"Obviously we're deeply involved in it because we have the responsibility to calibrate all the parameters that are measured throughout the world," says Ken Magnant, the configuration management officer for TMDE Support Group.

The Multiple Launch Rocket System Project Office and the Roland Project Office are "pretty deeply involved in metrics," according to Frank Goessling, chief of engineering standards and data systems in Army Missile Laboratory.

"The other (weapon) systems review metrics when they're in a design phase to see if that can be applied economically," he adds.

MLRS is a system designed in metrics. The intent was to make easier co-production in Europe which is in the planning stage, according to Harold Wright, chief of configuration management office, MLRS.

"First we forced the system of

multinational corporations to think metric. We did that with the intent to facilitate the (planned) co-production of MLRS in our European partner nations of France, Federal Republic of Germany and United Kingdom," says Wright, who believes the system is among the first in the Defense Department to try metrics.

Roland system was "built totally to metrics," according to Reuben Dunlap, an engineer in Roland's configuration management office.

Dunlap gives two reasons for Roland's reliance on metrics. When the project started, Congress had declared a conversion to metrics by 1985. This requirement was later withdrawn and made voluntary.

"And another reason is the Europeans are on a total metric system; we converted all the documentation from German and French to U.S. drawings and we went direct translation to metrics," Dunlap says. "Anything that had measurements on

(Continued on page 5)



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Letters

Ads and taxis

Editor:

Are there guidelines for the amount of advertising in the Rocket? It seems to be crowding out news and features.

The May 5 issue had five full pages, eight pages with half or more and a total of approximately 60 percent.

Second subject: In the past, MICOM has encouraged the use of on-post taxi service, in the past month that service has become increasingly unreliable.

I understand the cause is a shortage of drivers. Why isn't the extent of availability and an explanation published in the DB and Rocket?

W.M. Schmidt
DRSMI-IWD

Answer: A civilian firm publishes the Rocket at no cost to the government under a distribution license that limits advertising to 55 percent but allows for exceptions. The May 5 issue you cite is 57 percent ads. Since the publisher was two percent over, we could have demanded he give us a 24 page paper. Likewise, the next time we ask for extra editorial space above our allotted 45 percent, he could deny us. We try to strike a balance that works in the best interests of everyone.

In response to your second question, Redstone Equipment Manager Marvin Barber said the taxi service is having a hard time and asked that people be patient and understanding while RASA makes the best of a difficult set of circumstances. The problem is not enough taxi drivers and restrictions on hiring until October. He said the best time to use the taxis is between 8:30 a.m. and 1:15 p.m. when school bus drivers can work the taxi routes.

What He Meant Was:



Speaks out

Editor:

Have you noticed the increase lately of the "letters" received from engineers at MICOM? It appears that a suppressed group of employees has finally torn themselves away from quiet submission to speak out against unequal treatment.

MICOM will fully realize in five years they don't have any engineers nor can they hire any. The first signs are already here — the difficulty in finding many GS-12 Engineers.

There are no laws and regulations or programs to gain upward mobility, priority hiring and advancement for engineers and scientists, and this situation has destroyed professional careers, crushed ambitions, and left many in financial chaos.

Recently, MICOM began the MICOM Automated Career Appraisal and Referral System (MACARS). All the engineers' eyes glowed with a ray of hope at the announcement and briefings. That ray faded as they struggled through the paperwork and appraisals in order to their MACARS forms submitted. The fact still remains to be seen whether MACARS works. One thing for sure is that the Office of Personnel Management has a new scapegoat, the computer, to be blamed for personnel foul ups.

What will MACARS do for the engineers who, through no fault of their own, are down-graded? Those for the most part are competent professionals. Some are non-veterans through being physically deferred (4F) or in essential job categories. Most had their positions abolished and grades reduced, others were RIF'd out to the street. Some were lucky — instead of being placed on the street as excess, they were placed in non-technical jobs or jobs that could not be filled voluntarily due to the nature of the job or supervisor.

Repromotion priority was found to mean — your name was on a computer list. Consideration means — your name was located on the list by the selecting supervisor. It, also, carried the stigma "do not hire — incompetent" until General Moore's 27 November, 1981, staff meeting. There is still the problem most are over 40 years old and have 20 or

more years service time. "Save pay" sounds good until you are on the receiving end which means \$6,000 - \$10,000 or more a year cut in salary. You receive no credit for merit step raises which places you 3 - 6 even 9 or more years behind your fellow workers. Annual cost of living is one-half that received in the grade and step to which you were demoted.

The outlook for engineers without repromotion rights is even more bleak. Because of budget-cutting initiatives by various administrations, their salaries also have not kept pace with the rampant inflation of the last decade. Most of these individuals have been in-grade 10 years or more doing the same work as their higher grade co-workers. Yet because of DA imposed restrictions which keep their salaries below the average level for the profession, they are forced into the position of being in a dead-end job. At the same time, high-grade positions are being made available in fields for which no higher education requirement exists. There seems to be an insidious plan to dis-incentivize the engineers and scientists who devoted 4-5 years of their life to the most rigorous studies available by rubbing their noses in the realization that high school graduates have better opportunities for advancement.

What does this mean to a MICOM engineer who has fixed expenditures and every year his pay check is less and less to the tune of several hundred dollars per pay period? Usually, he has children in college. His wife has to go to work as well as the children as inflation has taken its toll on the economy. Savings are totally depleted and he considers it lucky to make it from pay period to pay period.

Is this the reward for spending 4-5 years of hard study in college — many years of experience in the highly technical missile and rocket field — long hours of travel time — all to insure the Army mission is met, and a professional career in shambles.

Now is the time to speak out for action before you are caught in the FY83 defense cutbacks and placed in jeopardy for further grade and salary cuts. Let it be known that the engineers are a vital part of

MICOM and the MICOM attitude toward them has to change.

Motivate — Talk or write about your situation thru the MICOM Chief of Staff to the Career Advisor For Scientists and Engineers, and Chief of Civilian Personnel Recruitment and Placement. Also, keep your Congressional Delegation informed of the scientists and engineers plight.

Name withheld by request

Thanks MPs

Editor:

Recently I was driving on the Arsenal around 11:30 p.m. or near midnight. One of my tires blew out and some MP's assisted me and very shortly had my tire changed and I was on my way again. I felt very fortunate to have had their help as it was very late and I didn't even know where I could find a phone. One of the MP's was a Sergeant. I regret I failed to remember their names. I believe their action speaks well for the high quality of personnel in our 291st Military Police Company. Thanks — MP's!

Judy Hanson
PATRIOT Project Office

Letters to the editor should be signed (name withheld on request) and sent to: The Redstone Rocket, DRSMI-G. Unsigned letters will not be used.

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Editor:

This letter is in answer to SSG O'Bryan on First Alabama Bank. I have banked there for 12 years and have never had a problem. The tellers and managers have always been courteous and helpful. In those 12 years I have never missed a month where my check wasn't posted.

Mr. Donley, the former CG of MICOM, does not need to be defended but since I've known him for 12 years I feel that I should set SSG O'Bryan straight. His career spanned 30 years in the military and he attained the rank of Major General. In the years I've known him, he has always had the best interest of the soldier and military community at heart. The only time I've known him to lose his patience is

when he spends his time trying to explain something and the listener refuses to listen.

I could relate many stories of Mr. Donley's caring about the soldier since he has been with the bank, but I don't believe Mr. Donley is looking for accolades and SSG O'Bryan probably wouldn't listen.

I also notice from SSG Bryan's letter that when he goes somewhere everyone should stop and see that he's taken care of, and if he doesn't like the policy of an organization then they should change their policy.

As for me, I have banked at First Alabama for 12 years and will continue to do so.

Gerald A. Johnstone
CW3 USA
Chief, Food Service Branch

THE REDSTONE ROCKET

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Everything advertised in this publication must be made available for purchase use, or patronage without regard to the race, creed, color, sex or national origin of the purchaser, user or patron. A confirmed violation or rejection of this policy of equal opportunity by an advertiser will result in the refusal to print advertising from that source.

Military police plan activities for public

A bicycle rodeo and bicycle registration drive close out a week of activities planned by Redstone's military police.

The MPs are observing May 9-15 as "National Police Week," according to 1st Lt. Vera Jones, assistant operations officer.

Bicycle registration is important because it makes it "easier for us to locate the owner" of a stolen bike, she said. "If they're stolen, then we'd have a copy of registration. And if the bicycle comes to us, we'd have a better way of knowing who it belonged to."

The rodeo — competition on a bicycle course — and the registration drive will be held from 9 a.m. to 1 p.m. Saturday in the Bicentennial Chapel parking lot. These events are open to all arsenal residents and employees.

Trophies and plaques will be awarded to rodeo winners and runner-ups from grades one through six. A certificate of participation will be awarded to everyone who completes the bicycle course.

Times for grade level competition include 10-11 a.m. grades one and two; 11 a.m. to noon grades three and four; and noon to 1 p.m. for grades five and six. All other participants will be permitted to go through the course at 9 a.m.

Also this week, a display at the Post Exchange Mall features a pictorial history of the military police. The "mostly modern day" pictures show MPs at work, Jones said.

Crime prevention literature is available at the display and at the crime prevention office located in Bldg. 3453.

Programs designed by MPs, especially by the crime prevention section, include:

Neighborhood Watch — Neighbors protecting neighbors by reporting suspicious activity, crime



This picture from the MP display shows a shift guard mount at Fort McNair, Va. around 1940.

conducive situations and pilferable property in the housing area;

Crime Prevention Education — Classes, orientations, presentations, displays and seminars on crime prevention conducted by the crime prevention section;

Family Crisis Prevention — An MP family crisis prevention team assists families involved in domestic disturbances, juvenile problems and child/spouse abuse or neglect;

Operation Identification — Encourages people to

mark valuables with the last four digits of their Social Security number and to record these items on DA Form 4486 (personal property record);

Resident Crime Prevention — If requested by housing occupants, crime prevention specialists will inspect locks, doors, windows, exterior lighting and other personal security items;

Hotline — Phone line 876-1502 allows for anonymous reporting of criminal activity that does not require an immediate response. For police emergencies, call the MP desk 876-2222.

24K Hawk MOS off imbalanced list

The Army has removed one military occupational specialty taught here from the list of space-imbalanced MOSs, but is retaining on the list seven specialties taught at the Missile and Munitions Center and School.

A space-imbalanced specialty is one which has more than 55 percent of its manpower requirements in overseas units.

MOS 24K, Improved Hawk Continuous Wave Radar Repairer, was dropped from the imbalanced list published April 21. Thirty-six MOSs remain on the list including the following specialties taught here: 21L, Pershing Electronic Repairman; 22L, NIKE Test Equipment Repairer; 22N, NIKE Launcher Repairer; 46N, Pershing Electro Mechanical Repairer; 55G, Nuclear Weapons Maintenance Specialists; and 55Z, Ammunition Supervisor.

Imbalanced MOSs account for nearly 28 percent of the specialties taught at the school.

According to Army officials, soldiers holding these MOSs are intensively managed to insure continued assignment to positions where they can retain and improve their skills.

Dropout makes good

BY HARRY SARLES

He was 17 and a high school drop-out. He went to work in a sawmill to support himself while finishing high school. Five days later his left arm was crushed and eventually had to be amputated. Harvey Hamilton didn't let life get the better of him, though.

He graduated from high school in 1959, four years after dropping out, and today he is a GS-12 serving as the manager of the Pershing Maintenance Battalion TOE for the Directorate of Combat Developments of the Missile and Munitions Center and School.

After high school he went to college earning a bachelor's degree in general science and social studies from Alabama A&M in 1962. Hamilton began his career at MMCS in 1966. At the school he has served as a training instructor, training specialist, logistics specialist, education specialist, manager of the MMCS portion of the Army wide Training Literature Program and manager of the MMCS Word Processing Center.

As a result of his outstanding service he was selected as the school's handicapped employee of the year in 1978 and placed second to the 1978 Army Handicapped Employee of the Year.

Education both on and off the job has helped Hamilton to progress in his work. In addition to his bachelor's from A&M he has also earned three master's degrees from that institution and a doctorate in Educational Administration for Higher Education from Oklahoma State.

"I didn't plan to earn multiple degrees," said Hamilton. "Attending evening classes seemed to become a pastime or hobby I never gave up."

In addition to his civilian education Hamilton has also completed more than 1500 hours of military instruction in missile and electronic programs.

He credits his wife Sarah and their children Diana, Daryl and Harvey Jr., with helping in his success in education and on the job.

Education has been the key to Hamilton's success and he encourages others to follow the path of learning.

According to Hamilton the rewards for pursuing an education are not measured in terms of advanced earnings, but rather in terms of personal pride in accomplishing a difficult goal and the satisfaction derived from being able to help others.

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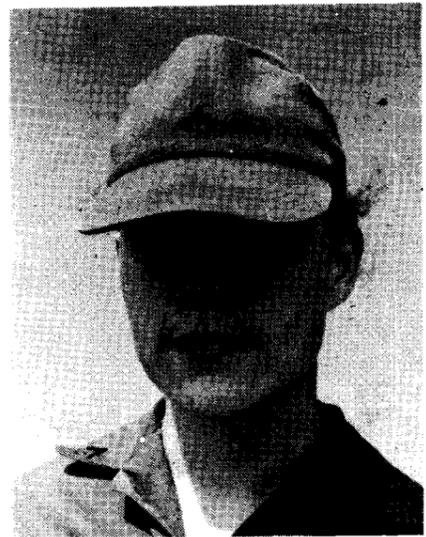
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**Is the Army Emergency Relief
drive a worthwhile project?**



Sgt. Steven Besse, 6th S.C. — "I certainly think it's a worthwhile project because it helps soldiers in need."



Pvt. 2 Rhonda Stone, 4th S.C. — "Yes, it's worthwhile because it provides money in emergency situations like emergency leave. I've known people who have used it."



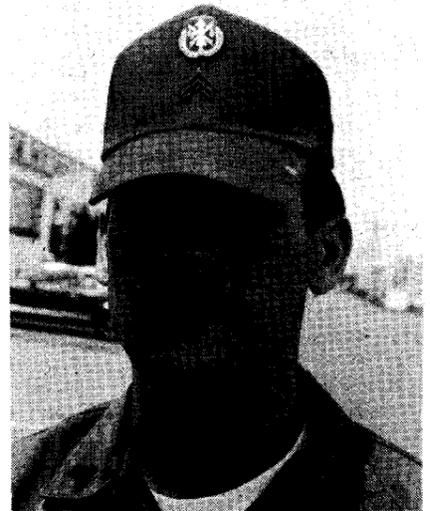
Pvt. 2 Delores Wallace, 515th Ord. Co. — "Yes, it's a good thing for the soldier to have someone to turn to in a financial emergency. You never know when it can happen to you."



Sp5 Obie Flowers, 8th S.C. — "No I don't think so. I gave to them for about three and a half years. Then I needed help because of messed up pay and I couldn't get anything from them."



SSgt. Leslie Grayson, Co. A — "Most definitely. It helps the soldier in a time of need. I put it in the same category as the Red Cross. Both are worthwhile organizations and I contribute to each."



Sgt. Robert Freed, 6th S.C. — "Sure it's worthwhile. I was over in Europe and they helped me out twice, when I had family emergencies. You don't even have to be a member. It's outstanding!"

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Ready for rides

CWO 2 Lawrence R. Webster makes pre-flight checks on his plane, one of several which will be on hand for the Redstone Arsenal Flying Club's open house picnic at the post airfield Saturday. The club will offer introductory

flying lessons for \$10 and rides for \$5 and \$3 for accompanied children. ConDIMENTS and side dishes will be free, furnished by club members. For more information call 881-3980. (Photo by Jeanne Lanzaro)

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Metric

(Continued from page 1)
it, we stayed directly with the metric system."

The metric system has found its way to space through NASA projects.

Space Lab, fabricated in Europe, is metric but the U.S.-manufactured experiments going inside usually are not metric. "We have to have metric interfaces on the items we mount in the Space Lab," says John Aberg, a systems engineer in NASA's systems analysis and integration laboratory at Marshall Space Flight Center.

When the entire Space Lab is mounted to the Space Shuttle Orbiter, the inch-pound system is used.

Another example of metrics in space is the Space Telescope. The solar panels, built in England for the

European Space Agency, and the faint object camera, a science instrument build in Europe for mounting on the Space Telescope, are both metric. "They have to be mounted to the Space Telescope which is fabricated in the inch-pound system. Thirty percent of the total of the Space Telescope is in metric," Aberg says.

NASA scientists have found the metric system useful. "Presently we have a lot of our trajectory analysis — a lot of orbital analysis is done in the metric system," Aberg says. "Most of our scientists in our Space Science Laboratory use the metric system because the use of the metric system in the computations make it a lot easier for them to use internationally accepted nomenclature."

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- PDP-11 Assembler Language Programming & Machine Org.
- Aim 65 Lab Manual
- User Guide to the Unix System

FORTH

- Forth-79: Tutorial & Ref. Man. APPLE II Version
- Forth User's Manual: Aim 65
- Discover Forth
- Invitation to Forth
- Starting Forth
- Caltech Forth Manual
- Systems Guide to Fig-Forth
- PDP-11 Forth User's Guide
- A Forth Primer
- Forth Encyclopedia
- All About Forth
- Forth-79: Pub. of the Forth Standards Team
- Forth-79 Standard Conversion: Version 1.2
- Metaforth: Metacompiler for Fig-Forth
- Tiny Pascal in Fig-Forth

PASCAL

- Algorithms + Data Structure = Programs (Pascal)
- UCSD Pascal: A Beginner's Guide
- UCSD Pascal Handbook: Reference & Guidebook
- Introduction to Pascal, 2nd Ed.
- Problem Solving Principles: Prog. with Pascal
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National Metric Week

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To figure what kind of day it will be (metrically speaking), remember the following poem:

**Thirty is hot
Twenty is nice
Ten is cool
Zero is ice**

Try the following questions:

At thirty-five degrees Celsius, what would you wear outside?

If you visited a friend in Nome, Alaska, in December, what might the temperature be at midnight?

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Phone 534-6454

Coach couldn't be prouder

The Redstone Rockettes lost its first game, won its second and its first-year coach couldn't be prouder.

SSgt. Leslie Grayson told the post womens' softball team at its first meeting that he wanted "competitive" players.

"I just don't have the time to teach somebody to play. That's why I told them at the first meeting 'If you're looking for a recreational team, you're in the wrong place,'" Grayson recalls. "Those 17 players that hung in there, they've done a good job and I'm proud of them."

Team members include active duty military, one civilian and wives of servicemen. There was room for three more under Amateur Softball Association rules which allow for 20 team members.

The Rockettes play other women's teams in the Huntsville City League and finished third out of the 12 teams last year.

Practices are Monday through Thursday, and sometimes Friday, from 4:30-6:30 p.m. at softball field 12 near the swimming pool off Vincent Drive. Games are twice a week at field four in Huntsville's Brahan Spring Park.

"These other teams have a big advantage on us because they've played together for so long," Grayson says. "And they've got the whole city of Huntsville to recruit from."

The Rockettes won its scrimmage games 11-1 and 16-6 but lost its first game of the season 16-4 to a powerful United Electric team April 27. Opening game jitters were probably the reason for early errors, Grayson says.

The team rebounded with a 14-0 shutout over Ken-tron on May 4, according to the coach.

He learned about the volunteer coaching position by reading a flyer from the Morale Support Activities sports office. He called sports director Irving Lyles and found out he was the only one who had shown interest.

"They called me and told me they were going to have a meeting with all the players," Grayson



Grayson at Rockettes practice

recalls. "I had my first meeting with them and after that, the following Monday, we started practice."

The Company A soldier, who works with the directorate of evaluation and standarization at MMCS, had never coached a womens' team before. "I played and coached intramural sports for 18 years — ever since I've been in the Army. I've played more than I coached," says Grayson, who arrived in September from Germany for his second tour here.

He should get plenty of coaching experience this season because the Rockettes play 20 games of slow-pitch softball ending July 6. For more information on the team, call Grayson 876-5431 or sports director Lyles 876-2943.

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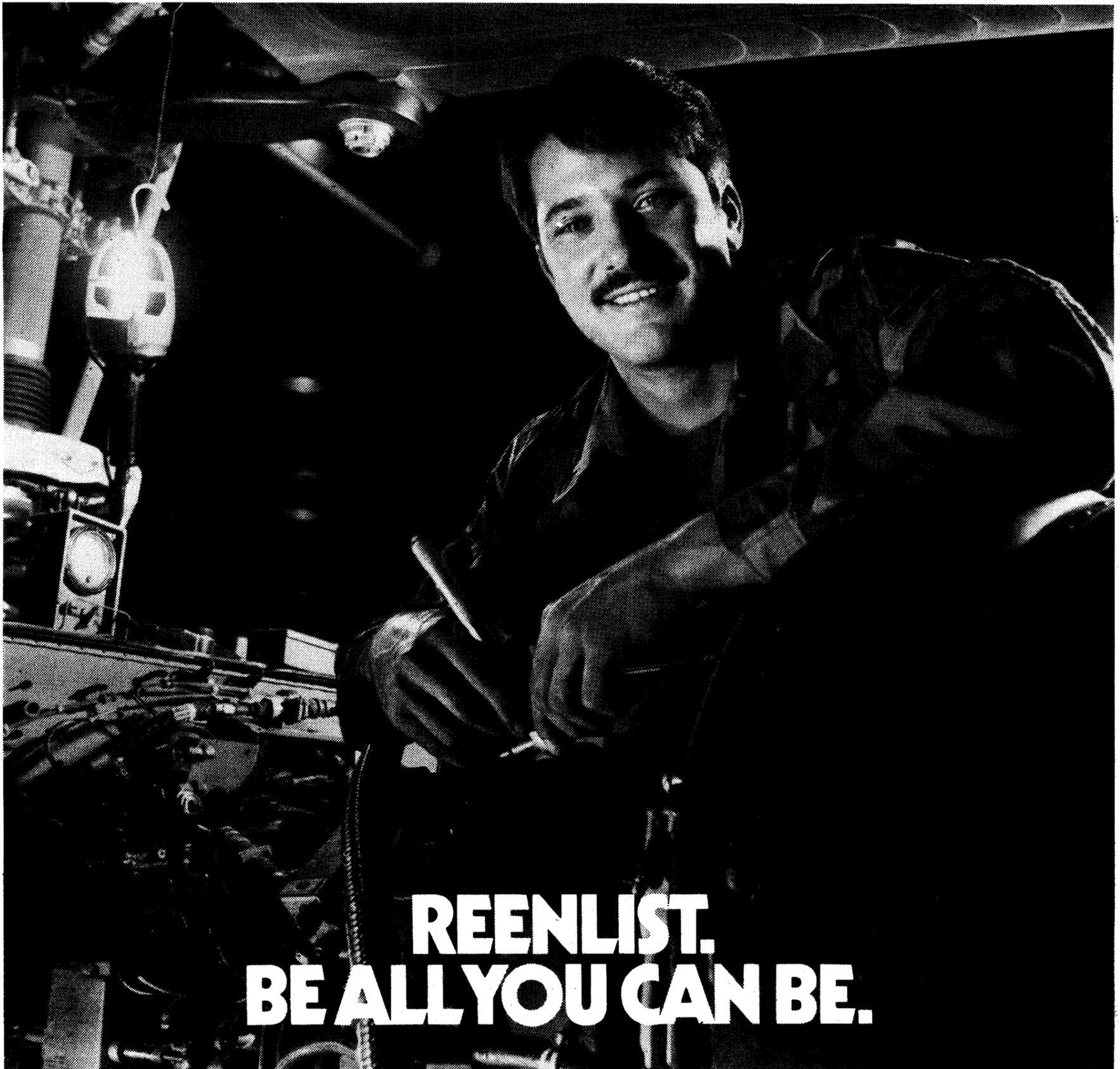
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Veterans hiring program exceeds goals

Veterans hired to civil service jobs here under veterans employment programs exceed goals set by the Army.

In fiscal 1981, 11.8 percent of the people hired here from outside the government were employed under the Veterans Readjustment Appointment (VRA) Program. Another 6.6 percent were hired under the Compensable Veterans Program.

"Our hiring under these two programs have been successful in comparison with the goals established by the Department of Army," said Dave Fisher, chief of recruitment and placement in the Missile Command's civilian personnel office.

"However, with the large number of applicants seeking employment there is no way to satisfy all those eligible," he added.

VRA, a program designed for Vietnam era veterans, provides for a two-year appointment to jobs up to and including GS-7 or that grade's equivalent. At the end of two years, workers who performed satisfactorily can be converted to a regular career conditional appointment.

Eligible veterans can be hired direct without competition under VRA. Requirements include 180 days on active duty for other than training from Aug. 5, 1964 to May 7, 1975; separation from military service under honorable or other-than-dishonorable conditions; and no more than two years of college.

"In the last fiscal year, we hired 11.8 percent of everyone hired from outside the government under this authority. That is approximately three times the Army goal," Fisher said. "But with the current employment market, we still have 615 candidates registered under this authority alone for employment here."

The Compensable Veterans Program, authorized under the Civil Service Reform Act of 1978, is designed to help employ veterans who are 30 percent or more disabled.

These compensably disabled vets are hired for up to a year without competitive examination to any position they qualify for. After one year, they can be converted to career or career conditional appointments.

"During the last fiscal year, 6.6 percent of all our outside appointments were under the authority and currently we have 72 candidates registered as eligible under the program," Fisher said.

The percentage exceeds the two percent hiring goal published by the Materiel Development and Readiness Command, according to civilian personnel officials.

"I think we are running well ahead of the Army goal in administering these programs," said Fisher, a Vietnam veteran who returned to a GS-5 government job in 1970.

"I only wish we had more vacancies to be able to use in order to take care of more of the 700 applicants still seeking employment. Last year we hired approximately 800 people into the Missile Command and we currently have on file 4,000 applications."

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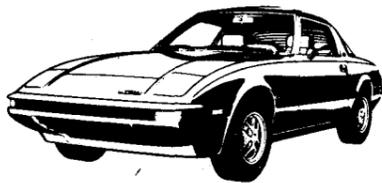
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Mobilization plan ready at MMCS

BY JEANNE LANZARO

If the president called for U.S. troops to mobilize, the MMCS mobilization plan is ready for action, according to Col. Joseph R. Cote, School Brigade Commander.

"There would be no frills," Cote said. Career development courses and advanced courses would be eliminated. Soldiers would receive only baseline training at MMCS and obtain their advanced training in the field.

Basic officer courses would continue and the number of students in MOS producing courses would increase dramatically, he said.

The school's academic workweek would increase to 60 hours with an additional 12 hours for soldierization training. Three shift operation would be initiated.

"The smooth orderly transition from peacetime operations to a wartime level is the goal of all

mobilization planning," said Cote, "and the development and implementation of the School Brigade's plan has involved many here at MMCS."

MMCS will participate in a two-to-four week mobilization exercise this fall. Objectives have been established and the school's plan will be put into action.

In MOBEX-83 some reservists will be called in to serve their annual active duty training, but in an actual event, reserve units would be activated under mobilization conditions and existing cadre would be supplemented by recalled retirees.

"Mobilization Planning doesn't end with approval of a plan. It requires continual monitoring, changing and up-grading to conform to a new doctrine and modernization," said Cote.

A yearly MOBEX will become part of School Brigade's training.

P&P workers save sick leave

Most workers at Procurement and Production Directorate are serious about saving sick leave, according to Wilma Kmetko. Kmetko, sick leave statistician for the 868 person directorate, said that more than 500 people in the directorate have accumulated more than 100 hours of sick leave. "That's no easy feat when you only get four hours a pay period," she said. "They're really conserving."

She said sick leave conservation is a subject stressed at P&P "all the time . . . by all levels of supervision. We stress that it counts toward retirement (annuity) and that it's like money in the bank when you need it.

"If you had an emergency and had to take extended leave you would still be paid and there would not be a financial burden."

Kmetko said the directorate is careful to recognize people who save sick leave. At the end of the leave year 35 people were recognized for saving 500 hours, 15 for saving 1000 hours, seven for 1500 hours, three for 2000 hours, and one for 2500 hours. "And 67 got letters of appreciation for using no sick leave," she said.

Additionally Kmetko's figures show that 501 people in the directorate have saved more than 100 hours of sick leave: 294 have 100-599 hours, 97 have 600-1099 hours, 58 have 1100-1599 hours, 31 have 1600-2099 hours and 21 have 2100-2500 hours.

Club earnings up

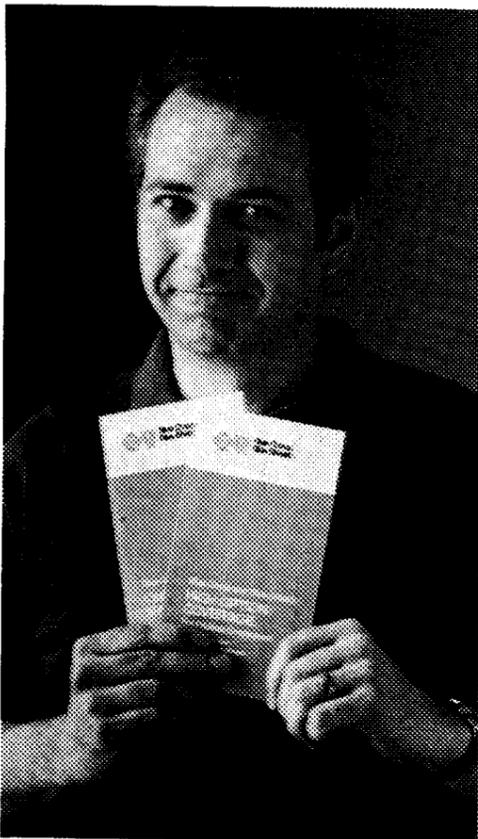
WASHINGTON — Army club systems earnings increased 30 percent to \$23.7 million for fiscal year 1981. The earnings came from total revenues of \$363 million, with 90 percent of clubs profitable — a record year for the club system.

That's according to a recently released report by TAGO, the Army adjutant general's office, which oversees the operation of 139 installation club systems with over 625 clubs and 123 package stores comprising the Army club system.

TAGO officials say the increased earnings are going to finance an expanded club construction and renovation program already underway, including a new \$3.5 million officers club at Redstone Arsenal. In the program, 16 major projects were completed in FY 81, and another 31 worth about \$36 million have been approved for clubs in the United States.

An associated club improvement program is underway in U.S. Army, Europe, where \$21.35 million in club construction and renovation were approved in FY 81 and another \$26.41 million budgeted for FY 1982. (ARNEWS)

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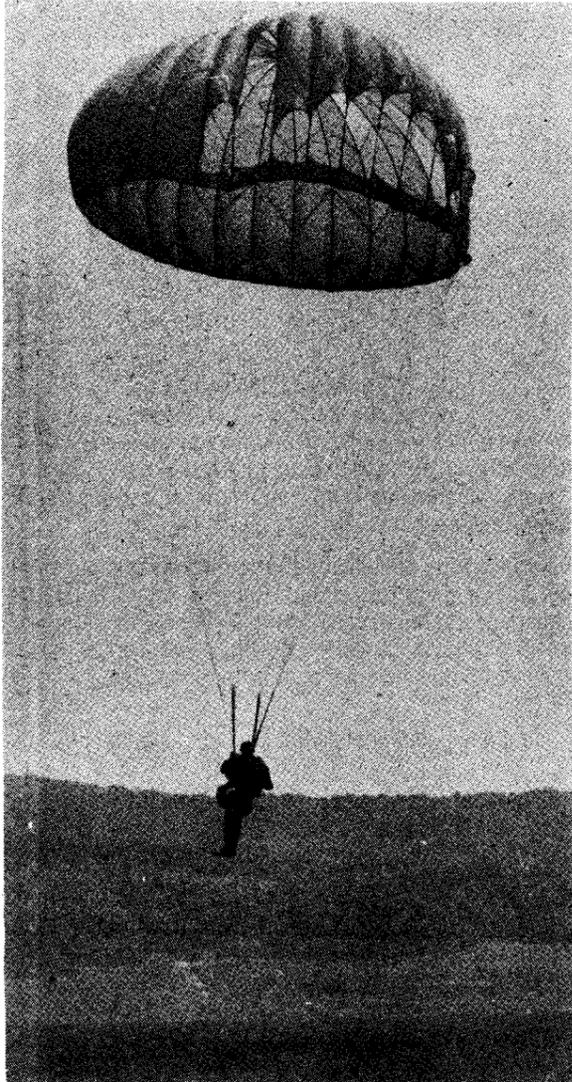
The Bagwell Chiropractic Clinic
 533-3768

'Enemy' battles paratroopers in training exercise

BY SKIP VAUGHN

The scene was set: Enemy forces had seized two communications sites in a mythical country.

Paratroopers from the 82nd Airborne Division at Fort Bragg, N.C. had a mission to seize and hold the two sites. Their obstacles were enemy forces and rugged terrain.



An 82nd Airborne Division paratrooper prepares to land in a Redstone Arsenal drop zone adjacent to Rideout Road on May 3. The division dropped approximately 160 men into Redstone in a company exercise. (Photo by Harry Sarles)

Thirty-four volunteers from Headquarters and Headquarters Company MICOM and S-3 Special Troops acted as the "enemy" forces for this exercise here May 3-4. They held off the paratroopers for five and a half hours then "harassed" them throughout the night.

"What we were doing was what your guerrillas in the real world would do, which is harassment," said MSgt. Roger Yuraska, operations sergeant for S-3 Special Troops and a "enemy" leader.

This emergency deployment readiness exercise was only part of the day's activities which began when about 160 soldiers from the 82nd Airborne Division parachuted out of four C-130 transport planes. They included about 100 infantry soldiers of a Rifle company, 50 anti-armor and 10 division support command personnel.

It was the "first major parachute drop" at Redstone Arsenal, according to 1st Lt. Will Bradley, operations and supply officer for Special Troops. He

served as Redstone's officer in charge for the operation named "Devil Team IV."

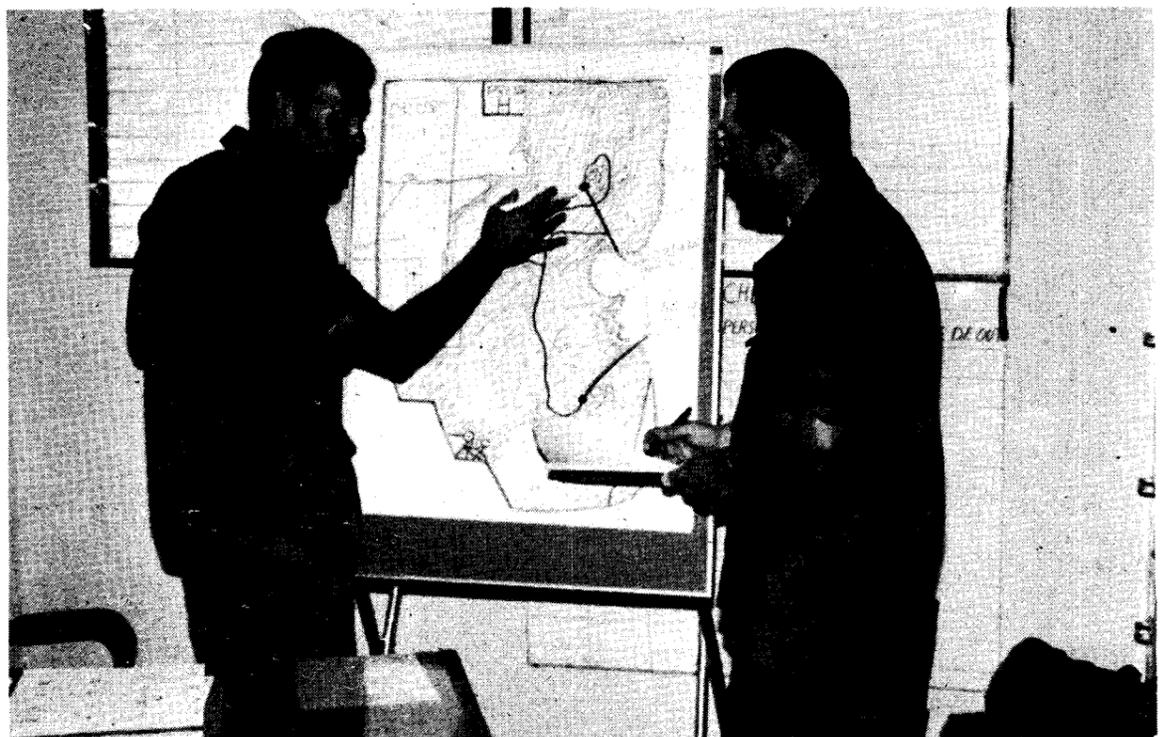
The anti-armor personnel from the 82nd went to Test Area 6 to fire TOW missiles both days. Every one of the 22 missiles fired by the troops scored a direct hit. Chris Leachman of the TOW Project Office coordinated that phase of the exercise. The missiles — manufactured in 1973 — had been returned to the arsenal for firing as part of a shelf life test, to verify that missiles held in storage for a long time would function as designed.

Meanwhile, the 82nd Rifle company attacked the enemy in place at the communications sites located on Madkin and Weeden Mountains.

Yuraska had a six-member squad stationed at each site and the remainder of the enemy force served as scouts. Three non-commissioned officers worked independently as "raiders."

"The idea was delay them (the paratroopers) as much as we can," said Yuraska, who maneuvered

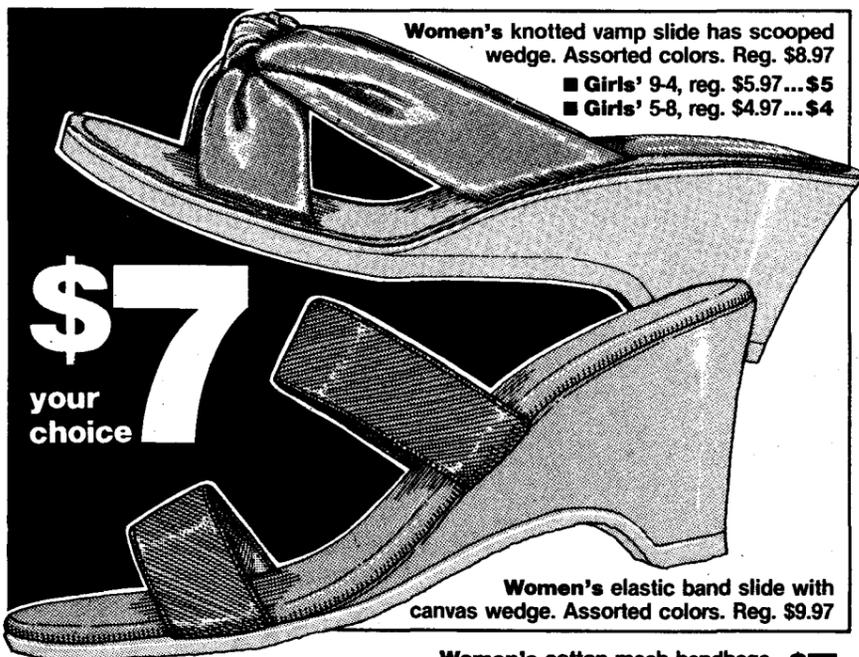
(Continued on page 11)



Bradley and Yuraska discuss 'enemy' maneuvers

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Students, charities get OWC donations

Scholarships totaling \$2000 and money donations to charities on and off post were presented May 11 at the Officers Wives Club final luncheon for the year.

OWC Merit Award Scholarships were presented to Patricia Rutledge, \$300; Lenore Misner, \$300; Paul Stanley, \$600; Michael Goodridge, \$500; and Jill Marsh, \$300.

Donations include a color television to the Hospitality House, a swing set to Redstone Child Care Center, and checks to the chapel's Vacation School, the Army Community Services and to the ACS/Personal Services child and spouse abuse programs.

Also receiving money donations were:

ON POST — Chaplain's Fund (food baskets), Red Cross, Dental Activity poster contest, ACS Lending closet, Army Emergency Relief, RSA men's softball team, Cub Scout Pack 234 and RSA Girl Scouts.

OFF POST — Mental Health Association, Madison County Association for Retarded Citizens, Helpline, Meals on Wheels, Robert Neaves Center for Children, Chi-Ho Mansion, Downtown Rescue Mission, Christmas Charities Year Round, Huntsville Hospice, The Sign Painter, Distaff Hall in Washington D.C., USO Washington, USO Atlanta, Huntsville Museum of Art, Huntsville Arts Council, Senior Citizens Center, Central Volunteer Fire Department and YMCA Summer Program.

-More miles

(Continued from page 1)

utilization areas and high mileage to low utilization areas," Quinn explained.

Back when replacement vehicles could be obtained, cars and trucks in administrative use generally were replaced at six years or 72,000 miles, whichever came first. "Usually age caught 'em before miles did," Sartain said.

As replacements became harder to get, vehicles were held until both the age and mileage criteria were met.

Today neither age nor mileage count for much, as more and more vehicles exceed both and replacements are not in sight. Some vehicles in the arsenal fleet aren't too far from reaching the 100,000 mile mark and some are 10 years old.

The oldest cars in the fleet are six 1972 Ford sedans. "All of them are overage and all but one are overmileage but we have to live with them until we get some new vehicles," said Sartain, adding that "They're such gas hogs we've had to lay those things by."

The automotive equipment specialists do not see good prospects for getting replacement cars and trucks in the near future. They said 30 were requested to replace overage and overmileage

vehicles in fiscal 1982, but only five replacement vehicles were approved and those may not be delivered this year.

In 1981 only five replacement vehicles, three panel trucks and two scooters, were received. Seven more scooters ordered for 1981 finally were delivered last month. "We still haven't received all the '81 replacement requirements, that we should have got last year and didn't," said Quinn.

Meanwhile, the automotive equipment specialists say no extraordinary problems are being encountered with the overage and overmileage cars, and for this they credit the mechanics at the motor pool.

"They've got some good mechanics over there. That's the main thing," said Sartain.

He said the vehicles are serviced at scheduled intervals, plus receive a thorough inspection at least once a year. "We get the small problems before they get to be big problems," said Sartain.

"Naturally", he continued, "we're having to do a little more maintenance on these vehicles. It's inevitable, the more miles you put on a vehicle the more maintenance you're going to have to do."

-Paratroopers

(Continued from page 10)

the guerrillas during the exercise. His troops would engage and fall back.

"The 82nd's fire and maneuver was very, very good," he said. "From our point of view, the exercise wasn't just to support the 82nd, it was to give our own personnel field training. All the enemy force (MICOM personnel) did their job magnificently."

Equipment included blank ammunition in M16 rifles, grenade simulators, artillery shell simulators and smoke grenades.

Lt. Bradley, who coordinated the exercise during the day then participated with the enemy force at night, cited support from MICOM personnel and from Reserve units. The 279th Signal Battalion provided tactical jeeps; the 20th Special Forces Group provided radios; and a local Naval Reserve unit, the Seabees, provided radios.

"I would like to personally thank the civilian workforce on the arsenal who gave a good deal of their time to make this operation a success," Bradley added.

"We had a good time doing this."



The family came out to watch Chaplain (Capt.) Donald Crippen of Huntsville jump with the 82nd Airborne, where he is 1st Division Chaplain.

Waiting for the jump are the chaplain's parents, John and Eunice Crippen, and his brother and sister in law, Rickey and Yvonne Crippen and their son, David.

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STATE LICENSED

Commissary agency asks for bids to run two stores

FORT LEE, VA. — Requests for proposals for operation of commissaries at Fort Leonard Wood, Mo., and Yuma Proving Ground, Ariz., have been sent to prospective contractors as part of the Commercial Activities study underway by the U.S. Army Troop Support Agency.

Receipt of offers from commercial firms for operation of the commissaries is scheduled to end in July. Offers will be reviewed to determine if contracting out of commissaries would cost less than

having commissaries operated as they now are. A contract will be awarded only if the cost advantage to the government is at least 10 percent of personnel-related costs.

This phase should be completed by December so any commercial operation of the commissary will probably not occur before March 1983, said a TSA official.

The Commercial Activities study was prompted by Office of Management and Budget Circular A-76.

Contracting out a commissary will not change its operation. The Government will continue to select and purchase items sold in the store and establish prices as it presently does. Customers will continue to receive quality products at cost.

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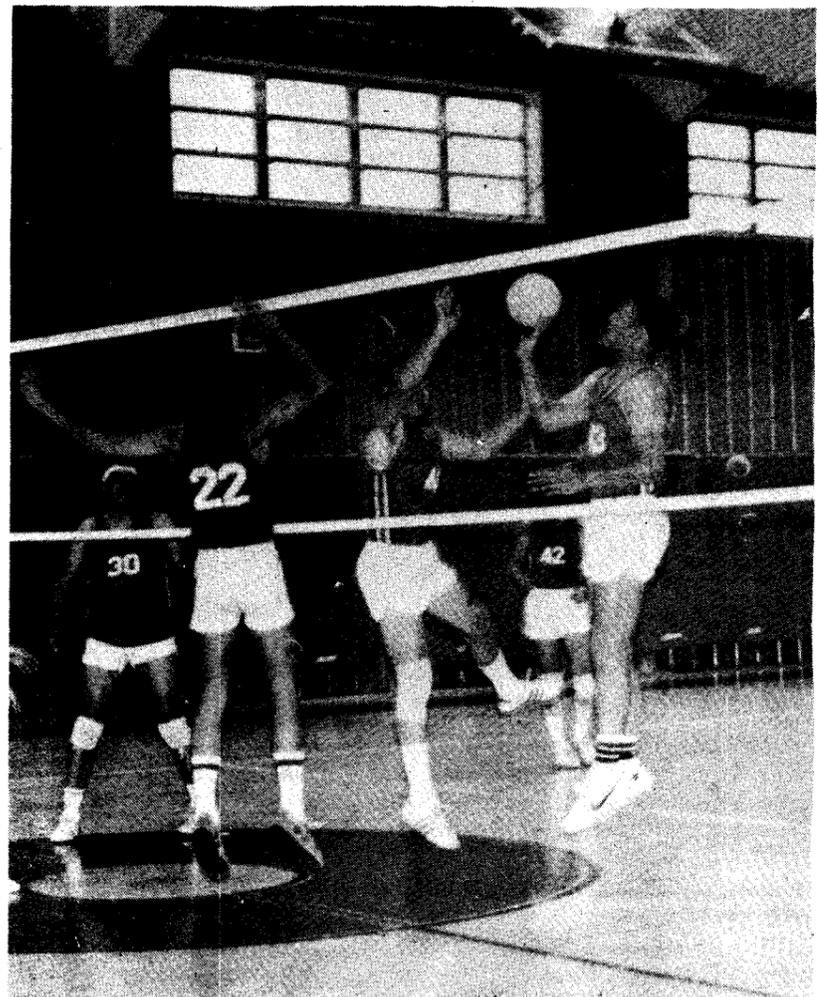
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Post Volleyball Championships are underway. HHC led the Eastern Conference with a record of 13-1 and Company B the Western Conference with 11-3. The other teams in order of placement are: Eastern Conference: German Air Force 11-3, 4th Student Company 9-5, 7th Student Company

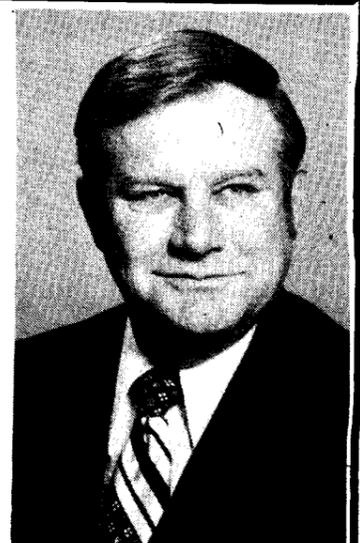
7-7; Western Conference: 5th Student Company 11-4, Marines 11-4, Foreign Student Support Office 10-5. Tournament games continue for the rest of the week. Games start at 5:30 p.m. in the post gym. Team and individual awards will be presented Friday after the final game. (Photo by Jeanne Lanzaro)

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Officers and kids have fun and games

BY JOHN WAGNER

It was a day of games, good food, and spontaneous fun for youngsters from a local children's home when they met May 1 with Redstone's officer basic class.

The class, as a community project, hosted 39 residents of Huntsville's Harris Home, at the civilian recreation area.

The kids and the officers competed in all kinds of races — egg races, piggy back races and sprint, wheel barrow and three legged races.

Awards were given out to the winners of each event. There were special certificates, resembling MMCS diplomas, which the class had specially printed up, and colorful hand-painted medallions.

Picnic lunch was 150 hamburgers, mounds of potato chips and french fries, and punch.

The final event had officers and teenagers in a water balloon tossing contest. People paired off. They were told the object was to toss a balloon back and forth to outlast the other pairs doing the same thing. It ended, predictably, without a winner, and everybody wet.



Teenagers from Harris Home race along in a "wheelbarrow" competition during field day with

the Officer Basic class. (Photo by John Wagner)



2nd Lt. Steven Coffing, Officer Basic Course, presents a second-place certificate to a youngster. (Photo by John Wagner)

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ACS: The Army takes care of its own

BY JOHN WAGNER

"The Army takes care of its own." That's the slogan that has long symbolized the providing of personal assistance to soldiers in need.

The Army Community Service office, located in building 3491, is the coordinating point at Redstone Arsenal for continuing this mission of providing aid or referral for personal or family problems.

"We have many essential services for active-duty and retired soldiers and their family members," explained 1st. Lt. Cynthia Harris, Army community services officer. "A very important one is Army Emergency Relief. If a soldier has an unexpected major financial problem we can provide him with an interest-free loan through AER."

According to the Missile Command's ACS brochure, "Financial relief is provided on a basis of need and not as a comfort or convenience. Assistance is extended in cases (such as) non-receipt of pay . . . , (needed) travel expenses for emergency leaves, or where privation of dependents would result."

"Normally the maximum amount we can provide through AER is \$400," said Harris. "A higher amount would need to be approved by the chief of the morale and welfare division."

"Under extreme conditions we can even arrange

a grant," she added. "These are usually just given to widows of retired soldiers."

A team organization that Army Community Service is involved with is the Army Child Advocacy Program (ACAP). "This program is concerned with cases of child abuse and neglect," explained Harris. "Our social worker, Dr. Bill Resha, coordinates with it and provides administrative support."

"If we receive a call about a suspected case of abuse or neglect we'll contact Jean Capowski, the social worker at Fox hospital, who will investigate and often talk to the parent. Dr. Resha provides a nine-week program in effective parenting as one type of solution."

"We'll be establishing a spouse-abuse program in the near future," she added.

ACS is also involved with the post child support services. They supervise the Redstone Child Care Center, for kids who are three months to 12 years in age. The center's fee is 80 cents per hour for one child and \$1 an hour for two. The Redstone preschool is for four and five year olds and is open from 8:30 to 11:30 a.m. ACS also supervises the family daycare program — a special private activity, in which a maximum of six children will be cared for by a certified babysitter in the sitter's quarters. "Currently, there are only three certified people on post for this program," Harris said.

Part of helping soldiers in need is having available commodities they can use. For this purpose, ACS has its "lending closet." It is equipped with dishes, pots, and pans, other kitchen items, porta-cribs, high chairs, folding cots, pillows and linens. Except for cots and vacuum cleaners, they're loaned on a 40-day basis. Extensions are granted for those awaiting household goods.

There is also the emergency food locker. "It contains canned and boxed foods, which will be given to a soldier in need on a one-time basis for three to five days," Harris said. "If it's easier to give food than loan money, we'll do that."

ACS also has miscellaneous functions. They have welcome packets for incoming personnel, pamphlets on Huntsville, and have a library of welcome packets from most Army posts. "If we don't have information on a post, we can obtain it," Harris said.

They have a financial counseling service as well.

"Because we're an organization designed to alleviate certain difficulties that commanders can't, we normally try to solve a problem in-house," Harris said. "But referral is another of our services. If we can't directly help a troubled person, we can steer him to the proper source that can."

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Center 'tries to keep the kids amused'

BY MAGGIE CUMMINS

Finding someone to watch your children for 80 cents an hour while working full time is not an easy task. The Child Care Center at Redstone provides military families and their (temporary) bona fide guests with this service.

The center has a 'sit-in service' which allows working mothers or those involved in social activities to leave their children in safe, capable hands. Children from three months to 12 years of age may be registered in the center by reservations only.

Blanche Moore, director of the

center, says there is an average of 3,000 children per month using the center while the capacity is 112 children at a time.

Costs are 80 cents an hour for one child, \$1, for two, \$1.20 for three and 10 cents more an hour for each additional child.

Lunch fees are 50 cents per meal. Dinner fees are also 50 cents per meal.

Moore, and Nannie Scott, who are in charge of the kitchen, plan the meals for the center every week. Lunches labeled with a name and date may also be brought from home, but milk cannot be brought into the center.

Baby formulas must be prepared by the family on a daily basis. Special feeding schedules have to be given to the center at the time of registration. They are followed as closely as possible.

Moore says, "We encourage kids to eat everything on their plates, but we don't make them eat it. The key point here is to prepare a well balanced meal and hope that they learn what they are eating. We take pride in what we serve and that makes a difference."

Presently there are 20 people employed at the Center. "Supervisors are Red Cross trained for emergency situations," says Moore. "Others are scheduled to take the training as classes become available." In case of fire or severe weather an evacuation plan has been set up for the immediate evacuation of the children.

The center will not accept children

with a suspected illness, special medical care requirements, or with a problem where special attention is needed. Some immunizations are necessary. Parents are notified in the event a child gets sick or injured.

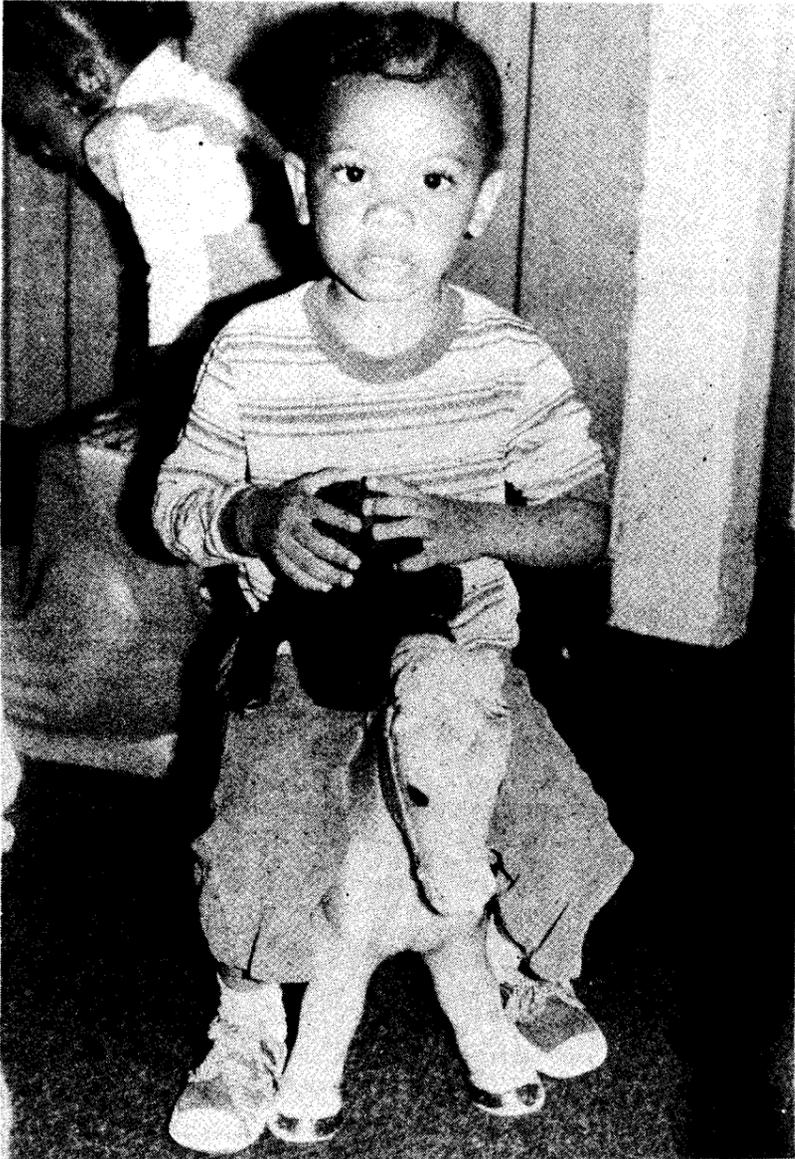
Activities for children are scheduled daily, with outside play in warm weather.

The center provides learning toys and suggests that no toys be brought in by parents as they may be lost or damaged. However, center-approved toys may be brought in with crib babies.

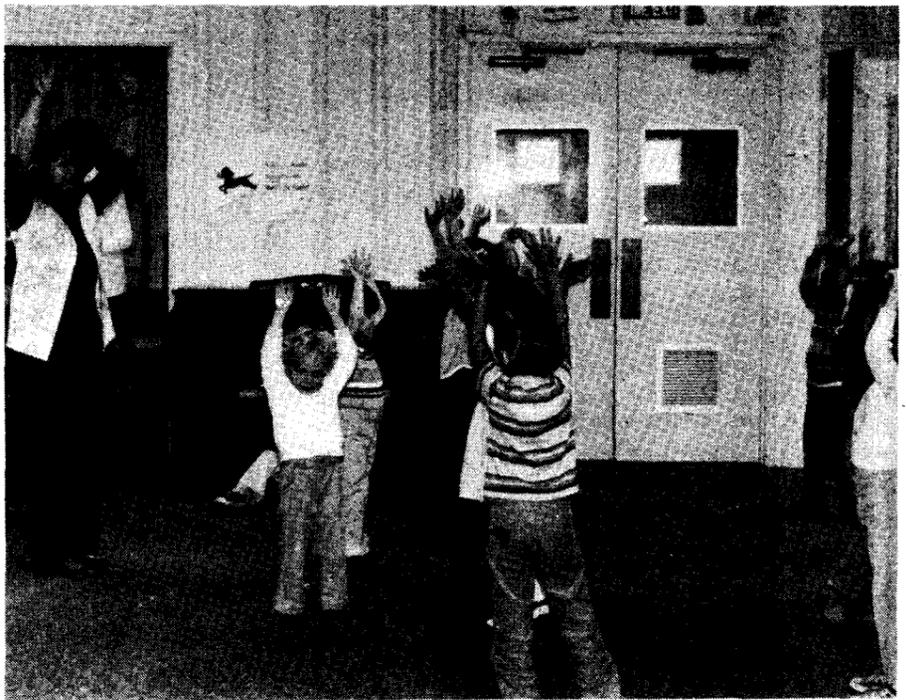
"The center tries to keep the kids amused," says Moore. "We have a new color T.V. that was donated by the NCO Wives' club which is really appreciated."

Any donations made to the center must be approved by the Morale Support Fund on post. "Clothes are appreciated the most for their value when it comes to keeping the kids dressed in clean clothes," Moore said. "I have an excellent staff that enjoys working with one another and most important with the kids. We are always near and keep a careful eye on all the kids. You really have to care when working with them," Moore said.

Scott says that she loves working with children and has worked at the center for seven years. "I enjoy working with the babies the most, they are like a little family," she says. "I like to sing to them and listen to them try to sing back. It's a very satisfying place to work."



Kanicka Williams takes a ride on a horse at the Child Care Center. (Photo by Maggie Cummins)



These children at the Child Care Center Pre School classes, follow the teachers example while dancing to a record. (Photo by Maggie Cummins)

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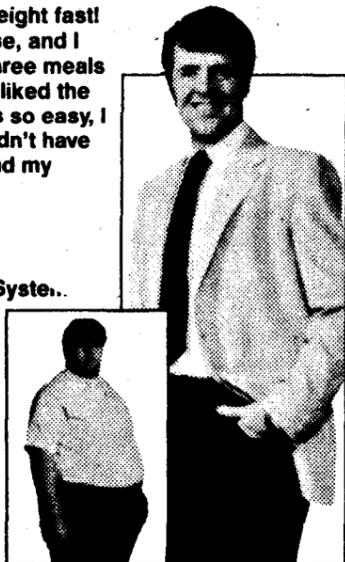
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Take precautions during severe weather

BY MAGGIE CUMMINS

Watching lightning during a thunderstorm may waste time that could be spent taking safety measures for severe weather.

Local weather stations are responsible for reporting the weather but individuals and community officials are responsible for keeping themselves and the community ready.

According to statistics, lightning takes more lives than any other severe weather hazard. "In event of a severe weather storm one can always find lightning," says Jerral Miller, weather service specialist at the Huntsville Airport. "Lightning occurs in more places than tornadoes or floods or hail. Tornadoes are formed from severe thunderstorms but not all thunderstorms will necessarily produce tornadoes."

The National Oceanic and Atmospheric Administration keeps weather broadcasts up to date through contact with National Weather Service offices. NOAA provides specialized weather information for boaters, anglers, and others engaged in marine activities, as well as general weather information to people within the receiving area. Brochures concerning recent statistics on weather oriented accidents are also published by the NOAA for the public.

These statistics show that fewer than 200 people in the United States are killed by lightning each year while \$400-million of property damage is reported. Forests and livestock are usually the hardest hit. Lightning strikes the U.S. about 90 million times a year.

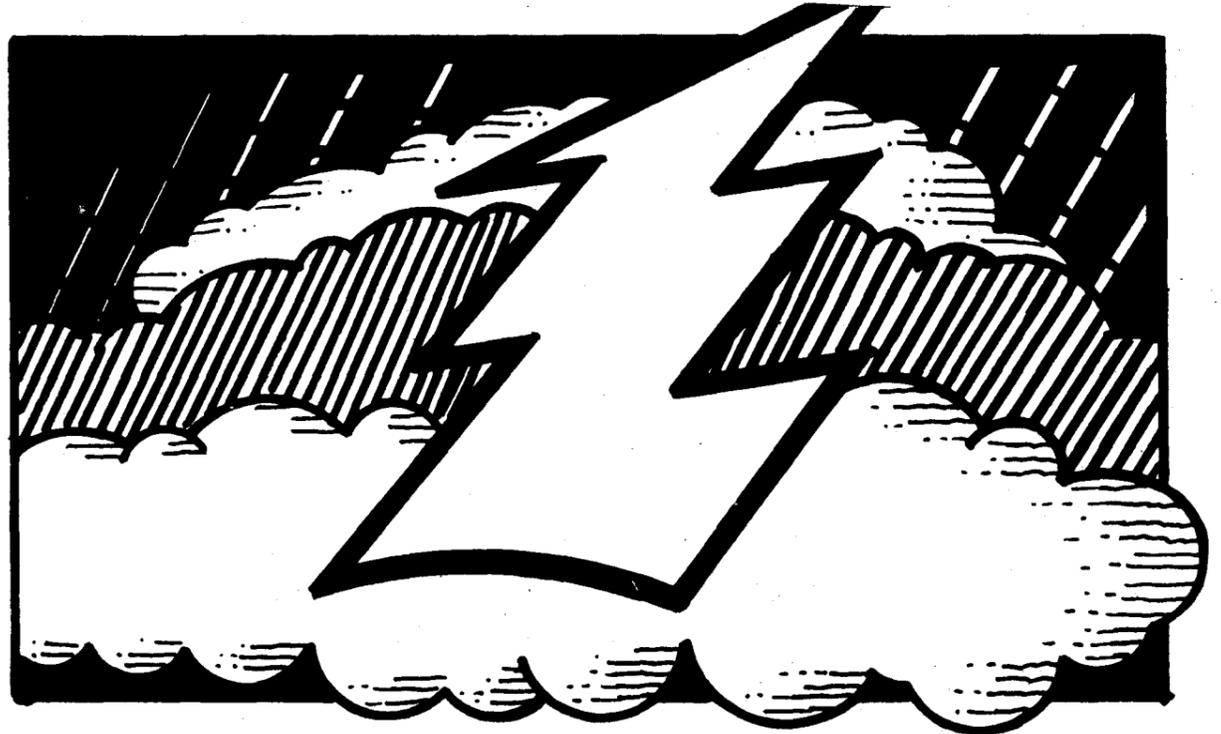
The NOAA weather wire service releases information continuously around the clock. They control the weather warning systems heard on television and radio stations.

NOAA suggests the following actions during the threat of severe weather:

- (1) Get inside a home or large building.
- (2) Stay in your automobile, except for convertibles, if traveling.
- (3) Avoid using telephones except in emergency situations.
- (4) Stay away from open doors, windows, fireplaces, radiators, stoves, metal pipes, sinks and plug-in electrical appliances.

If outside, the following advice is suggested if there is not time to reach a safe building or an automobile:

- (1) Do not stand underneath a natural lightning rod such as a tall, isolated tree in an open area.
- (2) Avoid projecting above the surrounding landscape, like hilltops, open fields, beaches or fishing in a small boat.



- (3) Get out and away from open water.
- (4) Get away from tractors and other metal farm equipment.
- (5) Get off and away from motorcycles, scooters, golf carts and bicycles.
- (6) Stay away from wire fences, clotheslines, rails, electric power lines and other metallic paths which could carry currents.
- (7) Avoid standing in small isolated sheds or other small structures in open areas.
- (8) In a forest, seek shelter in a low area under a thick growth of small trees. In open areas, go to a low place such as a ravine or valley; be alert for flash floods.
- (9) If isolated in a field or a prairie and your hair feels like it's standing on end, drop to your knees and bend forward putting your hands on your knees. Do not lie flat on the ground.

Having necessary emergency items is also important while waiting out severe storm. "During threatening weather have a flash light and a battery powered radio with an extra set of batteries nearby as the latest development of weather conditions will be announced," says Wilton Rodgers, chief of the Weather Service Station at the Huntsville Airport.

Some first aid tips in case of lightning victims are also listed in NOAA publications: Many people apparently "killed" by lightning can be revived if quick action is taken. When a group is affected, those apparently "killed" should be treated first.

Persons who are unconscious but breathing will probably recover spontaneously.

First aid should be rendered to those not breathing within four to six minutes or less to prevent permanent damage to the brain. Mouth-to-mouth resuscitation should be administered once every five seconds to adults and once every three seconds to infants and small children.

If the victim is not breathing and has no pulse, cardiopulmonary resuscitation (CPR) is necessary. This is a combination of mouth-to-mouth resuscitation and external cardiac compression. It should be administered by persons with proper training.

Medical attention also should be given to victims who appear only temporarily stunned or otherwise unhurt, since there may be hidden effects.

Thunderstorm information will be announced on local radio and television stations.

A Severe Thunderstorm Watch means that severe thunderstorms are possible and close to the watch area.

A Severe Thunderstorm Warning means that a severe thunderstorm is occurring and you should move to a safe place immediately. A severe thunderstorm is defined as having winds of 58 miles-per-hour or greater and/or hail 3/4 inches in diameter or larger.

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Announcements

MMCS Wives

The MMCS Wives will have a salad pot luck luncheon at 11:30 a.m. May 25 at the Post Chapel activity room. The cost will be \$1. Guest speaker will be Dr. Olivia Sanders of Alabama A&M University who will discuss "Which Way — Assertive or Aggressive." Send salad recipes to Sharon Jordan at 365 Crowell Circle, Redstone Arsenal 35808 by May 13 in order to be included in the day's recipe collection. For more information, call Gail Escher 837-6821 or Regina Kelley 837-2057.

Recreation Center

Today — Movie "Big Red One" at 2 & 7 p.m. Thursday — Bingo at 8 p.m. Friday — Pool Tournament at 7 p.m. Saturday — Movie "Warlords of Atlantis" at 2:30 p.m. Sunday — "Pearls of the Pacific" Polynesian music show at 7 p.m. Monday — Ping Pong Tournament at 7 p.m. Tuesday — Puzzle Night at 7 p.m.

Protestant women

The May meeting of the Protestant Women of the Chapel will be May 20 at 9:30 a.m. in the Bicentennial Chapel. There will be an installation of officers ceremony followed by a pot luck salad luncheon. All chapel members are invited. For more information call 837-5267.

New officers

The Officers Wives Club has installed new officers for the 1982-83 club year. They are Etta Dean, president; Louise Walker, first vice president; Gretchen Cody, second vice president; Katy Reeves, recording secretary; Betty King, corresponding secretary; and Julie Goodridge, treasurer.

Ceramics winners

Patrons of the Redstone Arsenal Ceramics Shop came away with blue ribbons from a ceramic juried show held at the Heart of Huntsville Mall in April. Winners included Junko Schuster, Josephine Tomes, Patricia Howell, Nicki Nash, Fusako Smith, Toni Honeggar, Eiko Potts, Cathy Harvey and Bernice Hamm. Items are on display for public view in Bldg. 3615.

Family carnival

A "Funday Family Carnival," sponsored by Holy Family School and St. Joseph's Church, will be held from noon to 8 p.m. May 15 at 2300 Beasley Ave. (behind the Mall off Pulaski Pike). Activities will include clowns, skydivers, bingo, barbecue, arts and crafts, sack races, pie eating contests, and sheriff's ponies.

Technical communicators

The Society for Technical Communication meets Thursday, May 13, at 11:30 a.m. at the Officers Club Nike Room. Picnic plans and a report of the International Technical Communication Conference held recently in Boston are on the agenda. Anyone in any phase of technical communications is welcome. Call 876-8632 for more information.

AUSA fashion shows

The Women in Action of the Tennessee Valley Chapter Association of United States Army will present two fashion shows May 14 for AUSA members, corporate members and the general public. Both shows will be presented at the Officers Club with a luncheon show at 11:30 a.m. and an evening show beginning at 6:30. The \$5 ticket price covers either the luncheon show or the "happy hour" show featuring fashions and hor d'oeuvres. For more information, call Connie Hennessee 883-5542.

Engineering design handbook

The Missile Command announces the following publication in the engineering design handbook series: DARCOM-P 706-298, "Rocket and Missile Container Engineering Guide." It will be available in June and can be ordered through normal publication supply channels (DA Form 17). This handbook provides information primarily for the design of adequate — not "gold-plated" — containers for rockets and missiles to insure their safe delivery to the user; however, the data can be readily applied to the packaging of other materiel, says Walter Kopcha, chief of systems engineering support, Army Missile Lab.

Bloodmobile

The Bloodmobile will be at Bldg. 3480N (515th Ord. Co.) today from 10 a.m. to 2 p.m. Other Bloodmobile stops scheduled this month include: May 13 — Thiokol, 7:30-12. May 14 — Bldg. 4484 (2nd floor) 8-1. May 19 — Bldg. 3711 (Rec Center) 9-12. May 21 — Bldg. 5681, 8-12. May 26 — Bldg. 3202 (8th SC) 4-8 p.m. May 28 — Bldg. 4505, 7:30-12:30. For more information call Doris Wobrock 876-4603/6393.

Government accountants

The North Alabama Chapter of the Association of Government Accountants will meet on May 20, at Michael's Restaurant, Ramada Inn. Social hour will be at 5:30 p.m. with dinner and business meeting to follow. Reservations may be made by contacting Dot Jenkins or Jessie Gee, 876-2107.

Softball players needed

Softball players are wanted for the slow-pitch Civilian Welfare Fund league. Arsenal civilians and their family members are eligible for league play. For more information call Don Maddox 876-5429.

Chapel 'retreat'

A parish/soldiers retreat will be held at the Post Chapel from 7-9 p.m. May 21 and from 9 a.m. to noon May 22. This retreat is open to everyone and will be led by Joe Whitkop, local director of Youth for Christ. The theme will be "Bridge Over Troubled Waters." For more information, call 876-5751.

CPR class

A public class on cardio-pulmonary resuscitation (CPR) life-saving techniques will be held from 6-10 p.m. May 20 at the Clinical Science Center Lecture Hall. The class is free. To register, call the Fire Academy 532-7348.

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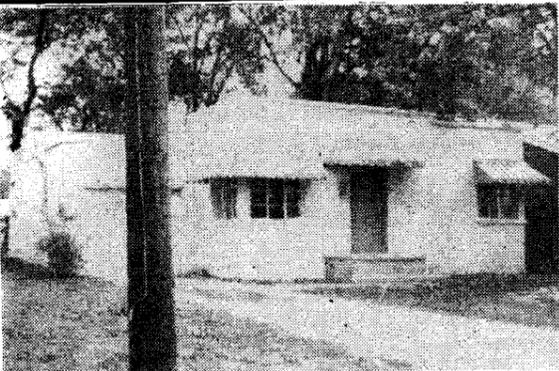
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 HUNTSVILLE, ALABAMA
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South Giles County, Tennessee
No. 310. Extra nice 2-bdrm cabin on-large shaded lot on Tenn. River. Has fireplace & central cooling system, pier and sea wall, & boat-house. Price reduced, make an offer.
No. 291. 73.6 acres & 4 bdrm house in good condition. 62 acres in pasture, well fenced, 2 spring-fed ponds, good barn. Assumable loan at 12¾%. \$55,000.
No. 256. 266 acres, 83 acres in farmland, 90 acres in pasture. Two older houses and old barn, 2 springs & a stream. **EXCELLENT BUY.** Price reduced to \$115,000.
No. 229. 102 acres, 60 in pasture. Well fenced, new barn. Greenhouse & older house. Several springs & streams. \$52,000.
No. 102. Beautiful 5-acre tract, some wooded, excellent building sites. City water, approved roads. \$8,000. Owner financing, \$1000. down, \$100. a month.
No. 331. 240 acres, 155 acres level, rolling and in pasture. Six-room frame house, two barns, several ponds and a stream. Long highway frontage. \$144,500
No. 332. 135 acres, 90 acres in farmland, well fenced has spring. \$65,000.
No. 330. 18 acres, open and level, fenced and has city water available. \$21,500.
CARVELL REALTY
 311 So. First, Pulaski, Tenn. 615-363-7515

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By Owner
5 Acres-\$2,500
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 1 Mile Off I-65.
 Partly wooded. Giles County.
Other Tracts . . . Terms
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1 of 25 pd.

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Great Selection!
Get Ready

For Summer Fun

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837-5634

1965 Mustang Convertible

289 Four Speed, Black-White Interior

\$6000⁰⁰

DOC STEPHENSON

PHONE:

Days: 837-5752
Nite: 881-2674

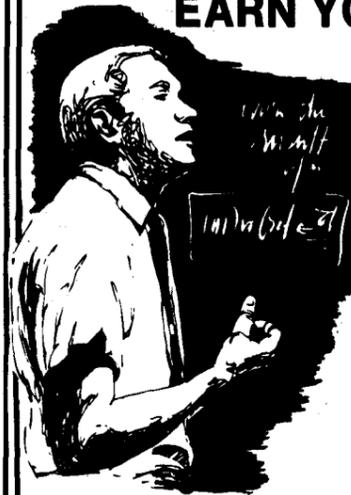
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Spark Plugs, Complete Diagnostic
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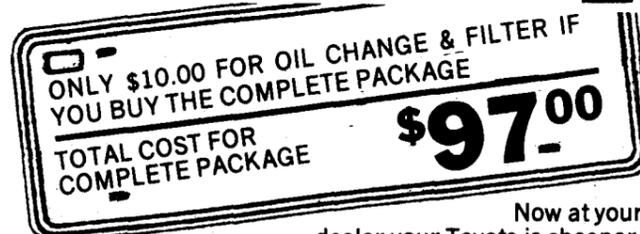
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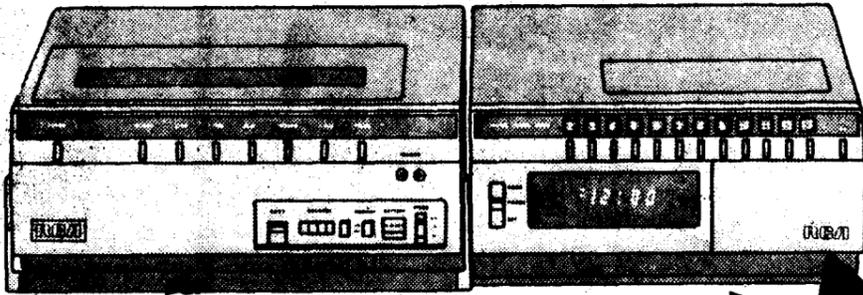
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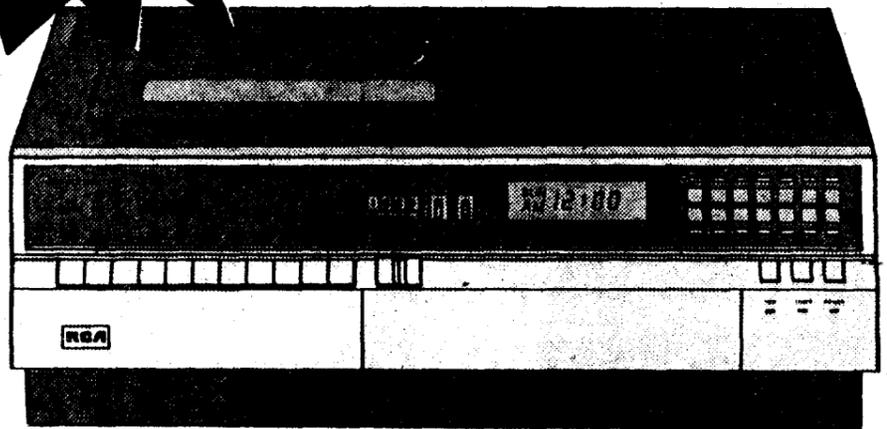
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RCA Color Video Camera with 8:1 power zoom lens and electronic viewfinder

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Model CC010

RCA's advanced CC010 color video camera lets you make your own home video tapes in living color—complete with sound. You get simple, dependable operation and these deluxe features:

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- Electronic black & white viewfinder shows exactly what you're shooting, even as you zoom. Features a built-in monitor for instant replay.
- Automatic fade control gives you professional-looking scene transitions.
- Deluxe boom microphone telescopes out to 7 3/4 inches.
- Standby switch conserves power during operation with portable recorder.
- Macro focus to within 4 inches of subject.
- Automatic iris adjusts to available light conditions. Also lets you adjust manually to compensate for unusual lighting.
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- Automatic white balance system electronically sets the proper color levels.
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RCA
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Model CC010

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