

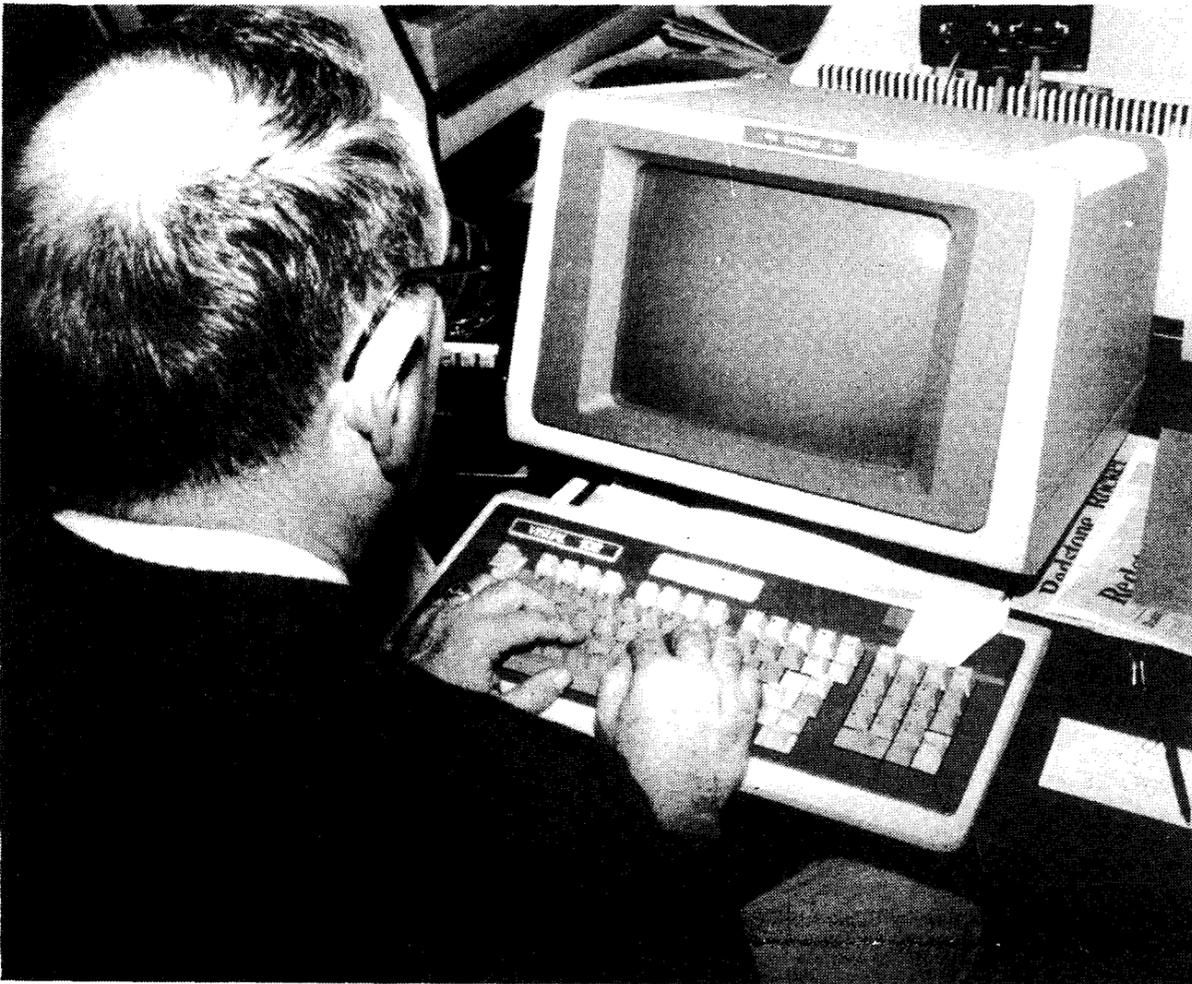
Redstone Rocket

33 30
Vol. 34 No. 28

Published in the interest of personnel at Redstone Arsenal Al.

January 9, 1985

Health-related computer complaints uncommon here



VDT — Video display terminals such as this have been accused of causing health problems.

BY PAM ROGERS

The belief that Video Display Terminals pose a health threat to office workers in this country is not exactly widespread among Redstone's workers.

Two national unions recently alleged that VDTs are the most serious health threat to office workers, citing complaints of vision problems, muscle strain, high stress levels, chronic pain, and pregnancy abnormalities. Service Employees International and 9 to 5, the National Association of Working Women, said that office workers in this country are performing as guinea pigs— using equipment before it has been proven safe.

Dr. Irene Roan, chief of Preventive Medicine and Occupational Health here, said her office has received very few complaints of medical problems related to VDTs. "Those we have received are visual complaints, involving eye fatigue," Roan said. She added that workers who wear glasses while working on VDTs should be sure their lenses accommodate the distance to the screen.

Roan said that all reports she has read indicate that the machines are safe as far as radiation is concerned. "There's nothing magic about a VDT," she said. She considers reports of miscarriages and other pregnancy abnormalities to be anecdotal in nature, and purely coincidental to work on VDTs.

Gary Skaggs, an industrial hygienist for Occupational Health, believes that virtually all problems associated with VDTs are the result of poor working posture and adverse lighting conditions.

He said that his office tries to investigate every complaint about VDTs. "We go to the site and talk to the people involved, and make suggestions. We usually don't hear much back from them."

The design of the work station is of primary importance when it comes to preventing VDT-related pro-

(See Computer cont'd page 3)

Construction, Patriot deployment among 1984 events

Construction projects were among the highlights of 1984 for the Missile Command.

Work started on a new Missile Systems Software Center just southwest of Redstone Army Airfield. The center is to be a structure of about 112,000 square feet, 171 feet wide and 422 feet long. It will have two stories of office and laboratory space in an "L" shape around a high bay.

In other projects, plans were proposed for a modern, high-rise office complex for 4,000 people. Under a long-range land use concept, virtually all of the Missile Command's administrative and support functions would be relocated into buildings on Martin Road while the area south of there would become a "hazardous" area for missile flight tests and other activities that need to be set apart from people.

A laboratory modernization program was also being planned to consist of eight projects with a total value of around \$50 million.

Other developments during the year occurred in the DDT pollution controversy. Some 5,000 citizens filed a federal lawsuit seeking \$1.2 billion in damages from the Olin Corp. and Tennessee Valley Authority claiming the chemical company and federal agency "systematically and continuously engaged in fraud" to conceal DDT pollution in area waters.

The suit also named as defendants two individuals, Benton H. Wilcoxon and Donald E. Morgan, who were managers of the DDT plant which operated on Redstone Arsenal from 1947 till 1970.

Plaintiffs included former DDT plant workers, their children and survivors, as well as commercial

fishermen and residents of communities downstream of the arsenal potentially exposed to DDT pollution from the former pesticide factory.

Later in the year, Olin Corp. proposed a pollution remedy it said would cost "in the neighborhood of \$20 million." It proposed filling in more than a mile of the Huntsville Spring Branch beginning just downstream of the Patton Road bridge and digging a bypass channel to reroute the stream around the affected area.

A court-appointed review panel accepted the plan after Olin agreed to extend the cleanup area another 1 1/2 miles from the originally proposed site.

Patriot missile equipment was deployed to Europe after years of planning and testing. The last of the equipment arrived overseas in mid-November and battalion personnel were due there in early January 1985.

In other highlights a General Accounting Office rul-

OMMCS entered robotics era in 1984

The year 1984 at the Ordnance Missile and Munitions Center and School included the arrival of a new weapon system, the addition of a robot, and the dedication of a range.

Sgt. York guns arrived in August for use in training soldiers as electronics repairers and test specialists on the system. One of the guns remains and there is an unofficial course being held for instructors for the system.

A robot named Hero I became a member of the Electronics and Technology Training Department. The small robot is to help the soldiers develop robotics understanding. Officials hope the future of robotics

ing in April 1984 meant further delay in deciding whether work done in the Redstone Arsenal Support Activity will be contracted out. About 600 jobs now done by government civilian workers are involved in the hotly-contested decision.

The year marked the 20th anniversary of the project office for the Tow antitank missile. Since Oct. 1, 1964 the project office has grown to 115 people. The missile has seen battlefield experience and evolved into Tow 2.

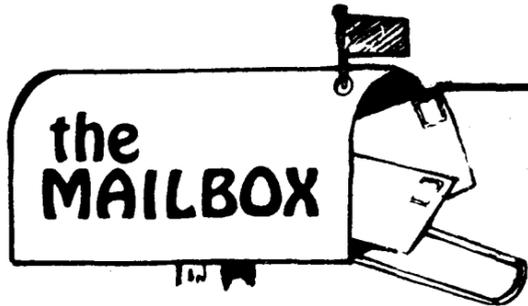
In October the commander of the Missile Command, Maj. Gen. Jerry Max Bunyard, told a Senate Committee that the Army is confident that "the Tow missiles our soldiers have are reliable weapons that will work." He testified in the hearing before a task force of the Senate Armed Services Committee "...Tow is a good missile and the system can and will do the job the

(See 1984 events, cont'd page 3)

will be to help in mine clearing, ammunition handling and repairing in a chemical environment.

Corkern Range was named after the first U.S. Army Explosive Ordnance Disposal specialist killed in Vietnam. Sp4 Jerry W. Corkern was killed in action on Nov. 26, 1966.

The main mission of Corkern Range is the training of students in demolition operation and ammunition disposal. In addition the range is the main training site for classes on the identification of ordnance and the maintenance and operation of EOD tools and equipment.



New personalities

Editor:

I have recently discovered that there are new personalities on the scene in government service work that will discriminate against black employees.

He or she, from my discovery, will rise through the ranks experiencing discrimination and it will ultimately possess them.

Usually, this person feels that he or she is now a part of the system and should act accordingly. Many times they will over react in an office situation and openly discriminate against black employees.

The reason I am writing to warn blacks of these people is because they will be defenseless if one becomes their superior.

It is now time to reveal who these persons will most likely be.

They are most likely to be black people who feel that they must discriminate against other blacks to retain their position.

Name withheld by request

Doesn't understand

Editor:

I would like to address this letter to the author of the letter about Miss Baker's death (*Rocket*, Dec. 19).

This person evidently doesn't understand life. All living things must die. Miss Baker outlived her life expectancy by many years; for that we should be grateful. However, it is totally ignorant of anyone to blame a person, doctor, school, organization or hospital for the death of Miss Baker.

Life is extremely fragile. When someone is given a 99 percent chance of recovery, there is still a one percent chance that recovery is either not possible or will be halted at some stage.

The author wanted to know why a kidney transplant from a baby baboon wasn't attempted. This is obviously in reference to Baby Faye and her experimental surgery. Maybe the author doesn't realize the difference between a human infant and a monkey who is way past the prime of life. Had Baby Faye survived, a human life would have been saved. What would have

been gained by killing an infant baboon to attempt to save an elderly squirrel monkey?

Furthermore, the Auburn University Athletic Department is not connected with the Auburn University Small Animal Clinic. And only a fool would attempt to credit the unfortunate loss of the football team against Alabama to the dedicated, hard-working professionals who tried to cure Miss Baker. And vice versa.

Susan B. Wilbanks

Was it phosgene?

Editor:

The recent tragedy caused by the gas leak in Bhopal, India, where over two thousand people were killed and many thousands were injured in a matter of a very short time, has caused concern all over the world. This story reminds me of the days during World War II when I was a chemist on this arsenal performing chemical analyses on phosgene gas. If we found any water in a phosgene sample, that batch was destroyed. Water reacts slowly with phosgene to produce hydrochloric acid which will corrode metallic containers.

Based on my knowledge of phosgene, I believe it was responsible for this tragedy and not the methyl isocyanate as was reported in the news media. My reasons are as follows:

The Bhopal plant synthesized methyl isocyanate from phosgene and methylamine.

On the night of this accident, the temperature in Bhopal was about 60 degrees Fahrenheit and the wind was calm.

The boiling point of methyl isocyanate is 102.4 and that of phosgene is 46.8. If it was the methyl isocyanate that leaked, it would have condensed in the 60 degree temperature and could not have traveled very far. If it was the phosgene that leaked, it would not condense at this 60 degree temperature, but as a gas it could travel far and fast. This tragedy covered an area of 25 square miles.

The plant has two safety features to keep the methyl isocyanate from escaping into the air in case of leaking. A scrubber with aqueous sodium hydroxide can neutralize the methyl isocyanate and a flare tower can incinerate any gas escaping the scrubber. It is noteworthy that the news media reported that both these important safety features were not functional at this time.

I believe what could have happened was that water got into the phosgene and produced hydrochloric acid. This acid could, over a period of time, corrode the storage tanks and result in the gas leak.

Tin Boo Yee

In appreciation

Editor:

The MICOM Parts Acquisition Program Office wishes to express its appreciation and applaud the following personnel for their expertise and responsive support in the establishment of a Management Information Control Room:

— Tom Moore, Barbara Everidge, Charles Blackburn, Pat McWhirter, Gene Stough, Jerry Austin, Bennie Acreman, Burt Dempsey, William Bibb, Donald Battle, Jeri Paul, Jackie Jones, Wayne Sheats, Frank Osborne, Ron Brooks, Leon Reyer, Thomas Norris, Gilbert Irvin, Michael Walcutt, Steven Saint, Bill Shirah, James King, Bill Belue, Bob Neale, Rolene Sanderson, Charlie Stebbins, Aretta Rich, Luther Pitts, Judith Walker, Jo Ann Bagwell, Mary Moore, Thelma Hilliard, Horace Jean, Dwight Gooch, Ivy Downs, Renee' Gauthier, Roddie Lott, Milburn Franklin, and Roland Pulley.

These individuals are outstanding examples of the myriad professionals at MICOM and were critical to the successful accomplishment of our goal. Without their dedicated support, the Control Room would not have been operational as scheduled.

Thanks to each of you for excellence!

Lt. Col. Dicky A. Love, PM

Faye Jernigan

Billy Hannah

Gayle Ganoe

Bill Robertson

Rusty Keller

Jan Dill

Sue Bailey

Wendy Wilson

Karen Schmidt

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Defense official discusses military pay proposals

WASHINGTON — "We're not looking for a slow-down in defense spending to be balanced on the backs of servicemembers."

With those words, Lawrence J. Korb, the Defense Department's assistant secretary for manpower, installations and logistics, briefed a group of military journalists at the Pentagon recently.

Korb had called the meeting to help explain to servicemembers Secretary of Defense Caspar W. Weinberger's position on proposed changes in the military pay portion of the president's forthcoming budget submission to Congress. As they stand now, those changes consist of maintaining the 4-percent pay increase scheduled to take effect in January, instituting a 3-percent raise in July 1985, and offering no further increases until fiscal year 1987.

The prospect for the changes, Korb stressed, should be viewed in the context of the overall pay-and-benefits package that periodically undergoes review at the highest levels of budgetary formulation. He reiterated Weinberger's commitment to a "decent standard of living with a suitable buying power" for all servicemembers.

Computer

(Cont'd from Page 1)

blems. Poorly designed equipment can cause workers to assume awkward positions, causing eyestrain and fatigue. Lighting that is too bright, or which causes glare on the screen can also result in eye fatigue. Skaggs said that suggestions he makes most frequently are to improve lighting and to provide break periods.

"You'll have problems if you try to sit at one of these things for eight hours at a stretch. Nobody can do that," he said. "We suggest that managers shift people, and use indirect lighting to avoid glare."

Occupational Health receives guidance for usage of VDTs from the Army's Environmental Hygiene Agency, which suggests that screens be placed as far from windows as possible, and never placed so that the operator must face a window.

John Mountain, chief of the Techniques Division of the Management Information Systems Directorate, said he has never received a complaint from users of VDTs. His office can provide an ergonomics manual from the Army Human Engineering Lab, but said there has never been a formal request for such assistance. Set-up of work stations is an administrative decision.

"I see a lot of people who make their own ad-

As part of the "fair and competitive" pay system being sought by Weinberger, the 4-percent raise responds to at least half of the requirement. Korb said the proposal to augment that increase by an across-the-board 3 percent in July works "in our self-interest to maintain the military's buying power — and thus sustain readiness."

Korb acknowledged that any proposal must undergo presidential and congressional review, and that Weinberger's position represents a firm goal but not an absolute guide in the overall budget process.

Reluctant to speculate on aspects beyond his control, Korb did note his expectation that the people and family issues associated with budgetary limitations will be strongly supported by both the department and the Congress. The real issue here, he stressed, concerns the rate of growth in military spending, not the arbitrary cutting of already-budgeted programs. Even in case of an FY 86 pay freeze, such current programs as the pay for overseas dependent travel, permanent-change-of-station allowances, military housing construction and bonuses will remain intact.

"As we look at the whole trend of things," he explained, "we'll be weighing all the factors."

"The leadership here cares," he concluded in relaying his department's resolve to press for a pay-benefits system that prevents reductions in the retention and recruitment of quality servicemembers. (Arnews)

1984 events

(Cont'd from Page 1)

Army wants it to do." Bunyard, representatives of the Air Force and Navy and a spokesman for Hughes Aircraft Company were witnesses in the hearing called to probe problems of poor quality control and workmanship in Hughes manufacturing operations at Tucson, Ariz.

Here are some other happenings from 1984:

— Wanda Jewell of Redstone Arsenal won a bronze medal in women's shooting in the Olympic Games of Los Angeles. The 30-year-old captain in the Army Reserve said she felt "absolutely great" about her medal in the women's small-bore rifle, three-position event.

— Nathaniel Raley, a retiree living in Huntsville, finally received the Distinguished Flying Cross he earned as a fighter pilot in World War II. At age 61, he received the medal he had been unable to collect because he was a prisoner of war until released in 1945. The medal was presented in a ceremony at Missile Command headquarters.

— A black engineer who sued the Secretary of the Army charging discrimination in promotion practices at the Missile Command was granted an injunction preventing further discrimination and awarded more than \$10,000 in back pay. U.S. District Judge U.W. Clemon ruled that McKinley Bailey Jr., an electronics engineer at MICOM, was denied promotion on two occasions in 1981 because he is black.

— A former Missile Command employee who accepted gifts from a contractor in exchange for favorable treatment in awarding contracts was found guilty of 10 counts of criminal acts including receiving illegal gratuities, conspiracy to defraud the U.S. government and obstruction of justice. Victor William Ruwe, 47, a GS-14 electronics engineer in Army Missile Laboratory who resigned his position in October 1982 in the wake of an FBI investigation into his dealings with an Auburn, Ala. firm, was convicted in federal court in Opelika. He had nearly 17 years' employment with the government. Sentencing was scheduled to follow a pre-sentencing investigation.

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Salute is old military custom with many forms

BY SSgt. MICHAEL GELFAND

Salute? Why? When? These are questions we have asked or have been asked at one time or another.

As soldiers there are many customs and traditions we have to know. They are part of the history and heritage of the armed forces, links in a chain that stretches back thousands of years. But why we have them and where they came from is something most of us don't know.

Probably the first military custom we learned was the hand salute. We saw it in the movies and a lot of us used it as kids playing as soldiers. As trainees it was probably the first thing taught to us. There are many reasons given for it, but the precise origin is really not known.

Salute begins as greeting

From earliest times and in many countries the right or weapon hand has been raised as a greeting of friendship. The idea may have been to show that you weren't ready to use a rock or other more civilized weapon. Courtesy required that the inferior make the gesture first.

The military salute has had many forms. At one time it was rendered with both hands. In old pictures you can sometimes see left-handed salutes. In some instances the salute was rendered by lowering the saber or sword with one hand and touching the hat visor with the other.

The explanation that seems the most plausible is that it was a long-established custom for juniors to remove their headgear in the presence of superiors.

In the British army as late as the early 1700s a soldier saluted by removing his hat. With large and cumbersome headgear like the shako, busby and bearskin—which were hard to take off and slow to put back on—the gesture degenerated into something resembling our modern salute.

This theory is substantiated by an entry in the order book of the Coldstream Guards, dated Sept. 3, 1745: "The men are ordered not to pull off [their] hats when they pass an officer, or to speak to them, but only to clap their hands to their hats and bow as they pass."

Some of the other salutes to be seen are the sword salute, said to be from the days of the crusaders when they kissed the cross (hilt) before battle. The second motion—lowering the point to the ground—symbolizes the trust of "putting down your guard."

Gun salutes are said to be from the times when it took a long time to reload guns. By firing off all your guns at the approach of a important person, you rendered your ship, fort or battery defenseless.

Dipping the flag in salute came to us from the navy. Ships used to dip their sails as a sign of respect. In doing so they reduced their speed and allowed themselves to be overhauled. This is now symbolized by dipping the ship's ensign.

The Army never dips the national colors in salute. Other standards, such as regimental colors, are dipped in salute to the unit commander or higher ranking officer as they pass the reviewing stand. The only other time the organizational color or standard is dipped is to honor the national anthem or "To the Colors."

The idea of holding your weapon in a harmless position appears to be a universal and very old way of showing respect.

The movement of "present arms" with the rifle—in which the piece is held vertically in front of the body, trigger and sling forward—is a token of submitting your weapon to the person to be honored.

'Present Arms' comes from England

The origin of this movement has been traced to the return of Charles II to England in 1660 to claim the throne. Col. Monk's Coldstream Regiment, which professed the desire to place themselves at the service of the king, was formed in a field. When the monarch approached, the command was given "Present your weapons for service under His Majesty." Each man held his pike or musket forward in the position we now call "high port." Then "Ground your weapons" was ordered. The next command was, "In His Majesty's cause, recover your weapons."

The King, with an eye for the dramatic, ordered that this ceremony be prescribed as the "Present Arms" for all future inspections as a mark of respect.

One last type of salute, even though it may not sound like it, is the inspection of the escort or guard of honor.

Now a mere courtesy, the escort or guard of honor once served a real purpose. It is customary for a VIP to "inspect" the guard. In this case he is not looking for rusty weapons, but is returning the guard's courtesy by taking a close look at the fine military appearance of the select troops.

A real general does more than pass hurriedly along the ranks of the guard. He stops from time to time to talk with one of the soldiers or compliment him or her on appearance.



This last custom is a vestige of a very real "inspection" that was held three centuries ago, also at the time of Charles II's return from exile to claim the throne of England, when the crack cavalry regiment, formerly with Cromwell, decided to offer its allegiance to the King.

A squadron was sent from the regiment to meet the king. He had them form ranks in a field and with just one attendant he went forward on foot to assure himself that this was not a trap.

Charles passed slowly along the ranks of the troopers, carefully scrutinizing each man's face for signs of treachery. Convinced of the sincerity of the offer, Charles then accepted the allegiance of the commander and ordered the squadron to escort him on to London.

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Group addresses concerns of black federal workers

BY SKIP VAUGHN

A group has formed here to promote equal employment opportunities for its members.

The Black Federal Employees Association meets each month in Huntsville. Membership consists of Missile Command workers but others have shown interest, according to McKinley Bailey Jr., the group's president. "It's to promote the general employment welfare of black federal employees and also take responsible actions to alleviate racially motivated employment concerns of black federal employees," he said.

Bailey, an electronics engineer in the Joint Tactical Missile Systems Project Office, has been involved with an effort to organize the group since early 1982. Its first official meeting was held Aug. 6, 1984 and he was elected president in December.

Membership is not restricted to black people nor is it restricted to federal employees, Bailey said. It is open to "any person who is in accordance with the principles and policies of the association."

The group's plans include trying to establish a communications link with local Army commanders and managers. It also hopes to develop contacts with private organizations that do legal work in the area of

employment discrimination. "Total efforts of the organization will be directed toward the enhancement of the plight of its members," Bailey said. "We're a membership organization and we're dedicated and obligated to the membership. In other words if we receive a request for assistance from a nonmember there would have to be a significant advantage to the association in providing such assistance."

There are no members from outside MICOM but "we've had employees from NASA and also the Corps of Engineers to express an interest," he said.

John Corbett, the group's public affairs chairman, believes the association can give assistance to new workers that they might not get from their superiors. The intelligence research specialist in Missile Intelligence Agency has worked here for three and a half years.

"The value of a group like this, in my opinion, is to help new employees be aware of their rights and help guide new employees who come in to the Missile Command," Corbett said.

The Black Federal Employees Association has been meeting each month at either the Lakewood Neighborhood Center or the Calvary Hill Neighborhood Center.



MEMBER — John Corbett, an intelligence research specialist, is in the recently formed Black Federal Employees Association.

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Field manuals spell out new training doctrine

WASHINGTON — A new series of field manuals has been developed that will provide doctrine for training and training management in all active and reserve component units.

New field manuals 25-1 through 25-4 are to be the basis for training in units.

FM 25-1, "Training," provides the foundation for the other manuals in the series. It contains the philosophy and principles of Army training and expounds briefly on the eight principles of training. It is written for Army leaders and for agencies that develop training support materials.

FM 25-2, "Unit Training Management," establishes doctrine for Army training management. It provides commanders with a management process they can use to plan training, take necessary resource actions, and evaluate soldier and unit proficiency, training and training management. This manual is written for company commanders and commanders and staffs at battalion level and above in active and reserve component units.

FM 25-3, "Training in Units," will replace FM 21-6. It provides effective methods and principles for conducting all phases of training — planning, preparation, presentation, practice, and performance — and provides examples to assist trainers in conducting training. It is written primarily for unit leaders and trainers at battalion level and below.

FM 25-4, "How to Conduct Training Exercises," will replace FM 105-5. It includes guidance and examples for use in planning, controlling and executing exercises. It is written for commanders and staffs at battalion level and above, although the concepts described apply at any level.

According to officials at the Army training board at Fort Eustis, Va., distribution of FMs 25-1, 2 and 4 has begun with FM 25-3 scheduled for distribution later this month. The manuals contribute to the training process and should be in the hands of all trainers after the first of the year. (Arnews)

Officer gets second Soldier's Medal

WASHINGTON — A lieutenant colonel in the Army's inspector general's office makes a habit of being in the right place at the right time.

Lt. Col. Bennet S. Jones was awarded last week the first oak leaf cluster to the Soldier's Medal for heroism.

The Soldier's Medal is the highest medal awarded for valor in peacetime.

Jones had just finished a tour with the 29th Area Support Group in Germany and was on leave at his home in Florida when he earned the second medal. He was fishing off Gandy Bridge in Tampa on June 23 when a young man fell from a boat and was swept 100 yards by the strong current. He jumped from the 20-foot bridge into waters known by local residents as extremely dangerous, full of rocks and barnacles and considered shark territory. In high winds and a strong tide, he swam to shore with the young man.

Jones modestly told the audience gathered at his award ceremony that it seemed there was a lot made of nothing. (Arnews)

Bowling standings

Tuesday's Conference

Team	W	L
HHC	236.5	63.5
C Company 1	220.5	79.5
HHD, USATSG	215	85
Marines 1	182.5	117.5
A Company	163	137
515th 1	150.5	149.5
B Company 2	148.5	151.5
B Company 3	133.5	166.5
6th Students 1	110.5	189.5
7th Students 1	86.5	213.5
515th 2	78.5	221.5
7th Students 2	73.5	226.5

(Tuesday's Conference did not bowl due to Christmas holidays)

Thursday's Conference

Team	W	L
Meddac 1	222	78
7th Students 3	221.5	78.5
B Company 1	210	90
B Company 4	206	94
Marines 2	206	94
95th	152.5	147.5
Meddac 2	125	175
C Company 2	105	195
Meddac 3	93	207
291st MPs	82	218
6th Students 2	79	221
7th Students 4	72	228

200 Games bowled:

J. Stracke	247
K. Warters	202 & 227
C. Rumble	210
D. Baldwin	208
J. Henderson	203
F. Lasher	203
D. Hegg	201

600 Series bowled:

K. Warters	622
J. Stracke	605

Upcoming Courses

Clear Business Communications has scheduled the following writing and editing seminars:

Proofreading and Editing

Date: February 19-20 Fee: \$195

This seminar teaches proven proofreading techniques for spotting and eliminating those errors that undermine a document's effectiveness. It will be immediately useful to editors, proofreaders, secretaries, administrative assistants... anyone responsible for producing error-free reports, letters, and memos.

Effective Writing for Technical Personnel

Date: February 21-22 Fee: \$195

A firm's technical expertise is often obscured by murky language and careless organization. This course is designed for technical writers and editors, project managers, marketing specialists, and others who must take technical data and mold it into a polished document.

GPO Style Manual Refresher

Date: February 27 Fee: \$95

The Government Printing Office (GPO) *Style Manual* is the officially sanctioned reference tool for anyone who works for the Government, directly or under contract. This 1-day seminar provides a systematic overview of the most-used sections of the 1984 edition: Capitalization, punctuation, word division, abbreviations, spelling, and numerals.

Writing for Engineers and Scientists: A Systems Approach

Date: April 16-17 Fee: \$225

The test of a document's effectiveness is whether it achieves the larger purpose — whether the proposal wins the contract, the manual is useful to the operator, the research paper is published. The Writing System offers a practical, step-by-step strategy that will save time; more important, it results in documents that reflect rather than obscure the writer's technical expertise.

Effective Business Writing

Date: April 29-30 Fee: \$195

Money is lost when carelessly worded letters anger customers. Valuable time is lost when confusing memos mislead and frustrate employees. This seminar will be valuable to any business person who wants to write letters and memos that promote goodwill and get results.

All seminars will be held at the Von Braun Civic Center.

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Civil rights commission member to speak at King memorial

The 10th annual Dr. Martin Luther King Jr. memorial service luncheon will be held Jan. 15 at the NCO Club.

A social will begin at 11 a.m. with the luncheon set for 11:30.

The scheduled speaker is Dr. Mary Frances Berry, a member of the U.S. Commission on Civil Rights and professor of the departments of history and law at Howard University in Washington, D.C.

Berry was vice chair of the civil rights commission from 1980-82. She was reinstated to the commission by a federal district court after President Reagan fired her in October 1983. Congress subsequently reappointed her to the reauthorized commission.

She was formerly U.S. assistant secretary for education in the Department of Health, Education, and Welfare. As assistant secretary Berry administered an annual budget of nearly \$13 billion and gave general supervision to the Office of Education, the National Institute of Education, the Fund for the Improvement of Postsecondary Education, the Institute of Museum Services, and the National Center for Education Statistics.

Before serving at HEW, Berry was provost of the Division of Behavioral and Social Sciences at the University of Maryland, College Park, and then chancellor of the University of Colorado at Boulder.

The Nashville native earned a bachelor's degree and master's degree at Howard University, a doctorate in history from the University of Michigan, and a juris doctor degree from the University of Michigan Law School. Berry has also received many honorary degrees. She has held faculty appointments at Central Michigan University, Eastern Michigan University, the University of Michigan, the University of Maryland at College Park, and the University of Colorado at Boulder. She is a member of the District of Columbia Bar.

Her publications in constitutional history and civil rights law include four books. These are: One, *Black Resistance/White Law: A History of Constitutional Racism in America*; two, *Military Necessity and Civil Rights Policy: Black Citizenship and the Constitution, 1861-1868*; three, *Stability, Security, and Continuity: Mr. Justice Burton and Decision-Making in the Supreme Court, 1945-1958*; and four, *Long Memory: The Black Experience in America* (co-author, John W. Blasingame).

Luncheon tickets are \$7.50 per person. They can be purchased by calling the EEO Office 876-3918; Leanne Barnett of OMMCS 876-2662; Rose Strong of TMDE 876-1072; Melvin Kelly of BMDSCOM 895-4270; James Rice of NASA 453-4202; John Brown of COE 895-5741; or Barbara Evans of MEDDAC 876-4147.



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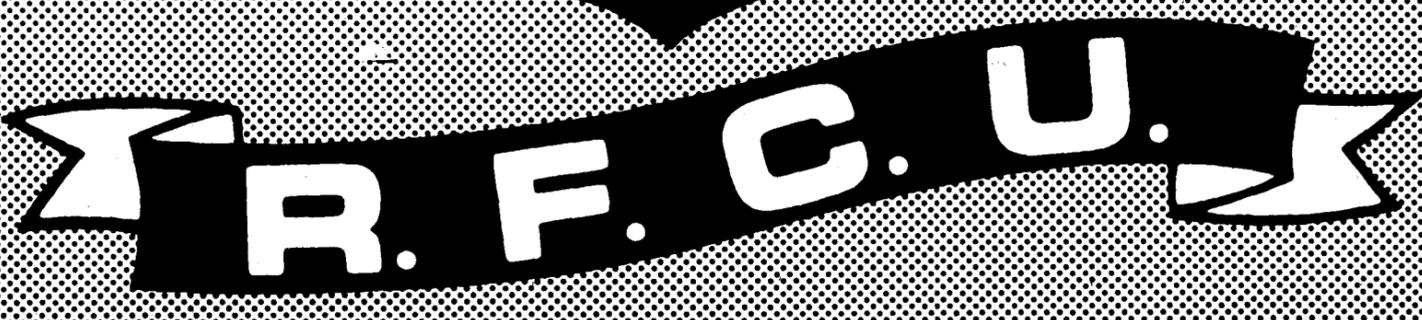

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Application period open for AER student loans

Eligible students should apply now for a loan from the Army Emergency Relief educational assistance program. "Their applications have to be into AER headquarters in Washington no later than March 1, 1985 to be considered for a student loan for the fall semester," said Juanita Adams, Redstone's AER officer.

Unmarried dependent children (including step-children and legally adopted children) of Army people may be eligible for scholarships and federal guaranteed student loans. "Under the student loan

program, they don't have to start paying it back till they have either completed their college or are no longer students," Adams said.

Parents or legal guardians may be eligible for parent loans for undergraduate students. Income is not considered in the parent loan program. Parents can apply anytime and would start paying back a loan the month after it is approved.

For more information call Adams 876-5468/2859 or stop by building 3491.

New command recognizes importance of space

WASHINGTON — President Reagan recently authorized the activation of a new unified command: the U.S. Space Command.

The new command will focus on centralized operations and planning for military space systems.

According to Col. Michael Schneider, chief of the Army space office, the Department of Defense uses space systems to help preserve national security by performing such functions as communications, weather forecasting, navigation and defense warning. The new command will improve the use of current systems while planning for the future.

The command is scheduled to be activated by the end of next year, but the location and number of personnel to be assigned have not yet been determined.

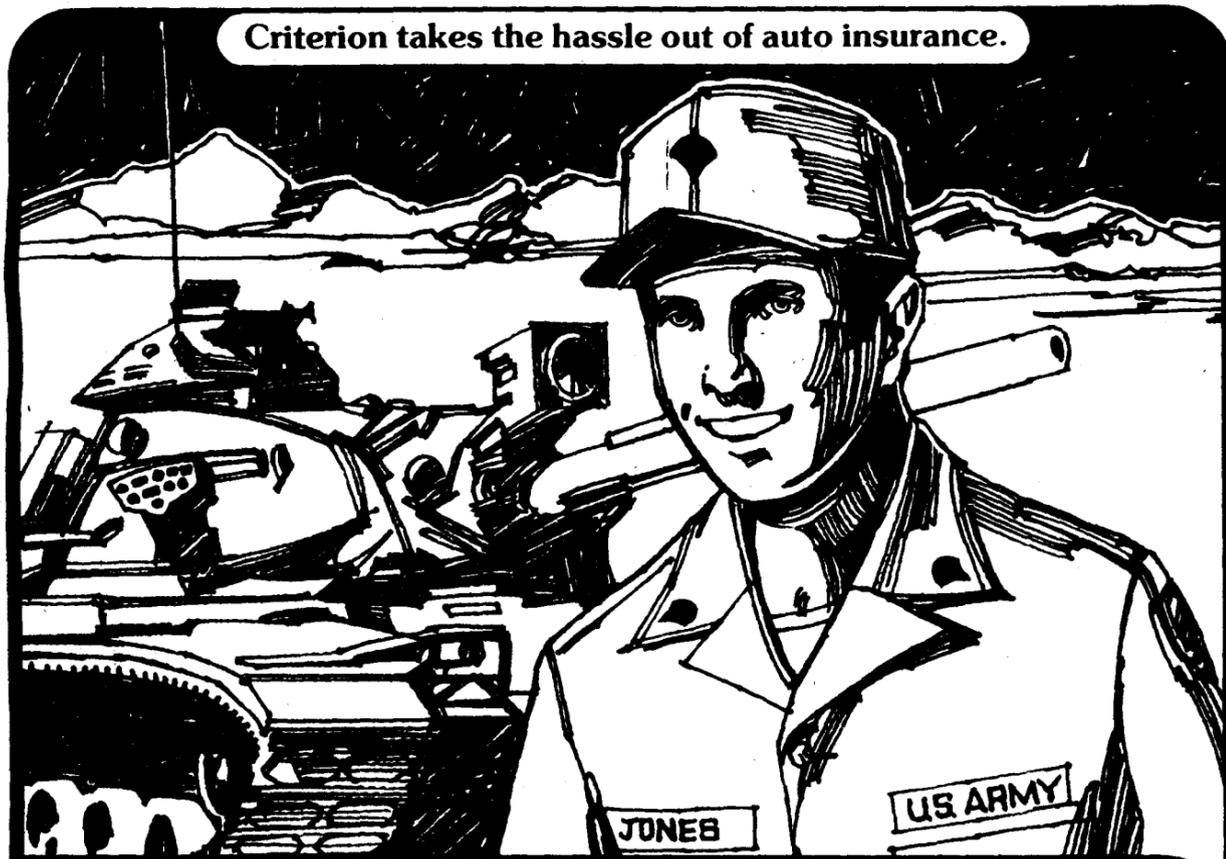
The Army's role in space is rapidly increasing in all

the areas described by Schneider, as well as topographic mapping of the earth.

The new command will not interfere with the operations of the National Aeronautics and Space Administration as NASA guides the country's civil space activities, while U.S. Space Command coordinates military space activities.

According to officials, the establishment of the command recognizes the importance of space support to land, sea and air forces. U.S. space policy does not call for plans to place weapons in space.

Military activities in space have been on-going for more than 25 years. They have always been non-aggressive and in full accordance with international law and treaties governing activities in space, in particular the 1967 United Nations' treaty on space. (Arnews)



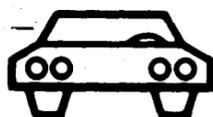
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P195/75R15	59.30
P205/75R15	61.20
P215/75R15	63.40
P225/75R15	65.60
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This month in history

- 41 years ago:** Redstone Arsenal won its third Army-Navy "E" Production Award for high achievements in the manufacture of war material (Jan. 15, 1944).
- 29 years ago:** A Nashville contractor completed the 12-mile move of the old M.G. Chaney house from the northwest corner of the installation to its new site near Redstone Arsenal Headquarters Building 101 (January 1956). The two-story house, built in 1835, was renovated to serve as the VIP guest quarters, later named the Goddard House in memory of Dr. Robert H. Goddard.
- 27 years ago:** The Army Ballistic Missile Agency launched the free world's first earth satellite, Explorer I, whose payload discovered the cosmic radiation belt identified by Dr. James A. Van Allen (Jan. 31, 1958).
- 25 years ago:** The Hawk anti-aircraft guided missile intercepted an Honest John artillery rocket to become the first missile to shoot down another missile at supersonic speed (Jan. 29, 1960).
- 24 years ago:** A modified Hawk missile successfully intercepted and destroyed a tactical Corporal ballistic missile traveling at several times the speed of sound (Jan. 23, 1961).
- 23 years ago:** Jurisdiction of the White Sands Missile Range, which had been assigned to the Army Ordnance Missile Command on March 31, 1958, was transferred to the Chief of Ordnance (Jan. 1, 1962).
- 19 years ago:** The US Army Ordnance Guided Missile School was redesignated as the US Army Missile and Munitions Center and School (Jan. 1, 1966).
- 13 years ago:** The Redeye II (Stinger) Project Office was established (Jan. 5, 1972).

- 9 years ago:** "The US Army Materiel Command approved the popular name Viper for the Improved Law (ILaw) (Jan. 16, 1976).
"The US Army Materiel Command (AMC) became the US Army Materiel Development and Readiness Command (DARCOM) (Jan. 23, 1976),
- 8 years ago:** As part of the AMARC reorganization, the US Army Missile Command was abolished and its missions/personnel were split between two new commands established the same date — the US Army Missile Materiel Readiness Command (MIRCOM) and the US Army Missile Research and Development Command (MIRADCOM) Jan. 31, 1977.

Compiled by Mary T. Cagle
Command Historian

Fort Bragg unit draws Sinai duty

WASHINGTON — About 800 members of the Army's 1st Battalion, 508th Infantry, 82d Airborne Division based at Fort Bragg, N.C., will begin in January a 6-month tour of duty at the Sinai Peninsula with the multinational force and observers.

As the main military element in the peacekeeping presence in that geographical area, the 1-508th replaces the 4th Battalion, 187th Infantry, 101st Airborne Division (air assault) which returns to Fort Campbell, Ky. after 18 months with the multinational force.

The Bragg unit represents the seventh such contingent to serve in the Sinai in support of the U.S. commitment to the multinational force and observers responsible for supervising and carrying out the provisions of the 1979 Egyptian-Israeli treaty of peace. (Arnews)

Space has potential for ground combat support

WASHINGTON — Space offers significant potential to support ground combat operations. According to Col. Michael Schneider, chief of the Army space office.

The Army space office in the Pentagon focuses and coordinates Army space efforts.

"Our role is to attempt to use space and harness space technology to support our ground combat soldier, especially in the areas of weather forecasting, navigation support, communications, reconnaissance and mapping and charting," Schneider said.

Schneider added that the identification and application of future space advancements will be one of their most important missions.

An immediate priority is to acquaint key Army leaders with what is available and how space technology can aid them in their ground operations, he said.

According to Maj. Peter F. Herrley, also in the Ar-

my space office, the new agency serves as an Army staff focal point for Army space-related matters. They coordinate actions with three other Army space organizations. The first is the Army space council, a committee chaired by the Army's vice chief of staff; the Army space working group, a staff level body that supports the space council; and the third is the Army staff field element, located with the Air Force space command in Colorado Springs, Colo.

Two major goals of the Army space office are to develop an Army space policy and formulate the Army's role and its support to the newly approved unified Space Command.

Schneider noted that, historically, the Army has been a key player since the start of the U.S. space program and continues to be a major partner with the other services in taking advantage of space technology to support our soldiers. (Arnews)

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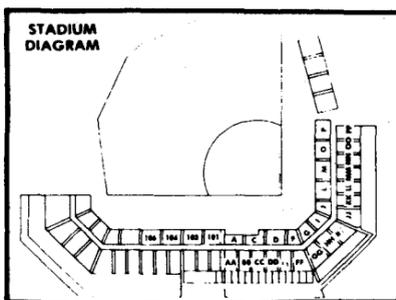
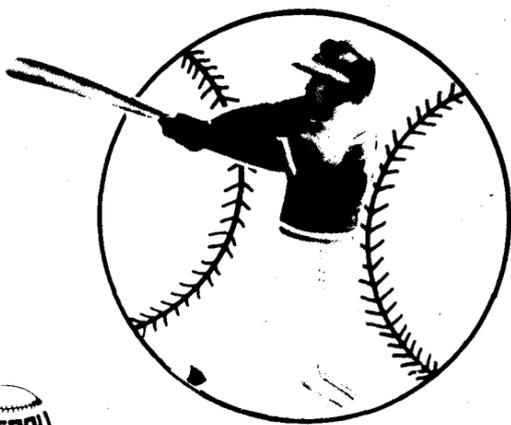
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The hospital that will make house calls has yet to be invented, but a group of Army, Air Force and Marine Corps medical experts has come up with a portable combat hospital system that will travel to wherever and in whatever size it's needed—from the front line to the rear of the battlefield and in between.

Starting in 1987, the new modular system will replace 16 different field-type hospitals now in use by the four services.

Called a "deployable medical system," it's made up of "functional modular medical material sets" and shelters that can be configured into everything from a 50-bed Air Force air-transportable hospital, to a 200-bed Marine company hospital near the battle zone, or a 1,000-bed Army general hospital to the rear of the battlefield. It's a self-contained, relocatable facility that can be assembled and disassembled in a matter of days.

Some 400 soldiers, sailors, airmen, and Marine "patients" recently participated in a five-day clinical test of the new \$11.7 million standardized system at Fort Hood, Texas.

Many of the "patients" were "moulaged" to simulate more than 700 realistic wounds. As each case was treated, the medical staff and data collectors made sure the modules were stocked with everything they needed—operating tables, beds, bandages, scalpels and trays of sterile instruments.

"If they didn't use something included in the sets during the test, we'll consider taking it out," said Wilbur J. Balderson, the Army's deployable medical system coordinator. "If they asked for something that wasn't there, we'll consider putting it in."

The hospital is stocked with more than 5,000 medical items and some of the most advanced technical equipment available for medical treatment, as well as for surgical, laboratory, and radiology services in a battlefield environment.

Having one standardized deployable medical system for multi-service use will mean faster and better care for battlefield patients. Standardization will also eliminate many procurement, transportation, repair and replacement headaches. And it will save the American taxpayer millions of dollars.

"It can be moved by helicopter, airplane, on truck beds, or stacked in the holds of ships," said Ron Richards of the DoD Health Affairs Office. "A mobilizer (a set of four wheels) can be attached to the rigid wall shelter for towing by a 5-ton truck."

The rigid-wall, expandable shelters and the soft-wall, inflatable shelters and mobilizers were developed by the U.S. Army Natick (Mass.) Research and Development Laboratories. The modules also come with heavy-duty power

generators and environmental control units.

Supplies and equipment for the modules were selected very carefully, Balderson emphasized. A list of 309 patient diagnoses—everything from amputations to abdominal wounds, burns and fevers—was compiled by the Academy of Health Sciences at Fort Sam Houston, Texas.

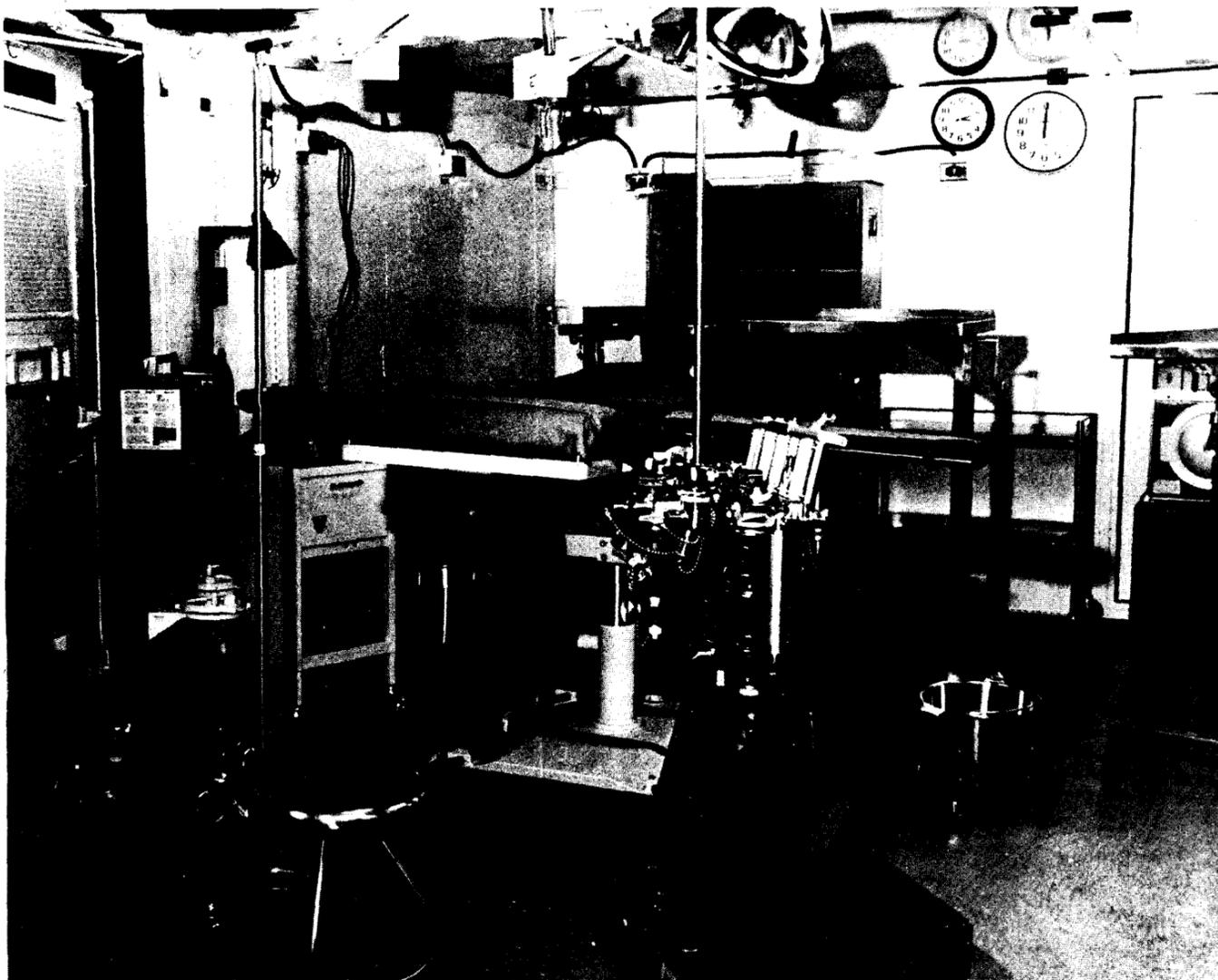
The 309 combat-related diagnoses were developed from historical wartime statistics, said Balderson. Supplies and equipment were chosen on the basis of what was used to treat those patients.

Twenty-three panels of Army, Navy, Air Force, and Marine Corps clinical experts reviewed the diagnoses and decided what should be stocked in the modules. The panels' recommendations were carefully examined by a clinical review committee to make sure "they were adequate, but austere," says Richards.

The functional medical modules will be assembled by the Defense Logistics Agency.

The test and a tactical move were conducted by the Army's 21st Evacuation Hospital at Fort Hood, Texas.

Test results will be used "to refine doctrine, organization, training, functional medical material set components, and non-medical support equipment," Balderson said. They will also be used to evaluate the material for use by all types of field hospitals.



This is part of an operating room module. Each operating room module in the "deployable medical system" now being tested comes completely stocked with two operating tables, sterile instruments, and everything else necessary to perform surgery. If four operating tables were needed, the requester would order two modules and so on.



Hospital supplies are packaged, labeled and stored in appropriate modules — such as those for pharmacies, operating rooms or physical therapy rooms. The modules are individual components of the "deployable medical system" now being tested for use within the services.

Washington ordered flying hospitals to treat troops

Gen. George Washington ordered his Continental Army to build "flying hospitals" at Valley Forge 126 years before the airplane was invented in 1903 and 141 years before the first military air ambulance made its maiden flight near the end of World War I.

Washington's use of the term was, of course, theoretical or symbolic. Dr. Mary "Molly" C. Gillett, author of "The Army Medical Department, 1775-1818," said the French had a term at the time—"hospital ambulant" (walking hospital)—that implied a movable hospital. "The idea was that it wasn't a fixed facility," explained Gillett.

"Flying hospitals" treated patients who could be returned to the front line in a short time or those who had to be moved to a general hospital as soon as their conditions permitted, Gillett explained in her book.

"It's hard to make a comparison, because the counterpart to today's system didn't come about until the Civil War," said a spokesman for the Army Surgeon General's office.

However, the "flying hospitals" of yesteryear may have been comparable to today's battalion aid station or Mobile Army Surgical Hospital.

"Minimal-wounded patients can be treated at the battalion aid station, or, if needed, taken to a MASH," said the spokesman. "If patients need further care after 72 hours, they are moved to a combat support hospital and on up the line."

Colonial physicians who formed the Army Medical Department in 1775 were all civilian practitioners, many without military experience. A small percentage had earned medical degrees. Most were either apprentices or self-trained. Only a few attempted to specialize as was customary in Europe, where the choice was usually made among medicine, surgery and pharmacy, said Gillett.

"The average 18th century physician didn't have much equipment or understanding to aid in distinguishing one specific disease from another," she explained. "But they were good physicians by the standards of the times."

"Disease caused more deaths than wounds in the Army during the 18th century and up until World War I," said Gillett. "It has been estimated that 90 percent of the deaths of soldiers in the Continental Army were due to diseases."

Washington's army was plagued by smallpox, putrid fever, pleurisy, dysentery, diarrhea, whooping cough, measles, dropsy, cholera, and other diseases. One of the minor ailments that tormented the men was "the itch," or scabies. "The rate of sickness exceeded 48 percent of the Army," said Gillett.

Another problem was shortages of such supplies as food, clothing, bedding, drugs, instruments, bandaging and even wagons to move the supplies. Many seriously wounded or ill patients had to stay in flying hospitals or nearby buildings because there were not enough wagons to transfer them to a general hospital over bumpy and often muddy dirt roads.

"The shortages helped to make the sick in hospitals sicker," said Gillett.

Opium was used as the chief painkiller. Ground bark, usually Peruvian or cinchona bark, was used mostly as a cure-all.

At the end of 1778-79, "the Continental doctors and their patients from Washington's army had endured another year of agony, and the sickly condition of the men as they left Valley Forge gave little reason for optimism," Gillett wrote. (American Forces Press Service)

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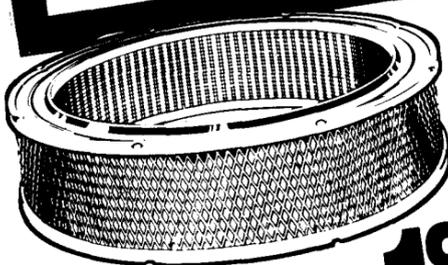


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U.S. ARMY FITNESS PROGRAM

Lapel button awarded for honorable service

WASHINGTON — Army lapel buttons are being given to separating soldiers as of Jan. 1 as a way of thanking them.

The button, to be worn on civilian clothes, will be issued to eligible soldiers who separate honorably and have served at least nine months on active duty.

The lapel button's design is of a Revolutionary-era minuteman soldier, a symbol of defense to the nation. It was first issued in 1946 after World War II but was discontinued after 1948.

Commanders will be authorized to make presentations of the Army lapel button to eligible soldiers at formations. Issuance will be based on the commander's evaluation.

Army officials realize that ex-soldiers are its most effective representatives and this lapel button is a way of acknowledging a soldier's honorable service. (Arnews)

Following rules key to effective child discipline

"Disciplining a child," says Lt. Col. John Moskovites, chief nurse at Fox Army Community Hospital, "is perhaps not unlike giving a speech to somebody. You tell them what you are going to tell them, and then you tell them, and then you tell them what you just told them."

Effective discipline is perhaps one of the most difficult aspects of child-rearing. There are, however, some basic guidelines for parents to follow.

"When disciplining a child," says Moskovites, "the parent first needs to make it very clear to the child what is expected of him, the ranges of variation that will be tolerated within that expectancy and what will happen if these expectancies are not met and carried out."

But once these limits are set "the parent should expect the child to test them. All of us learn in the course of our lives to test limits, to find out how much the spirit of the law will bend without breaking the letter of the law. This is exactly what children do in the home and parents have to expect it."

Moskovites said that discipline is one area where the parent should be as consistent as possible, but there are occasions when inconsistency may be used to prove a point. For example, it is entirely possible to allow a child to throw a tantrum when he is at home alone and to discourage this behavior very strongly when there's company present.

"Perhaps that is inconsistent," says Moskovites, "but I think it is a good set of skills to impart to a child that what is right in one situation is not always tolerable in another."

It is not always possible or desirable to be totally consistent with children, he pointed out. The parent must prepare a child to live in a world that is often inconsistent, and that a parent who is always careful not to be inconsistent may be preparing the child to live only in a world that is nice and orderly.

"A child from such a home, Moskovites concludes "when he is confronted with inconsistency as an adult, may not know how to cope with it."

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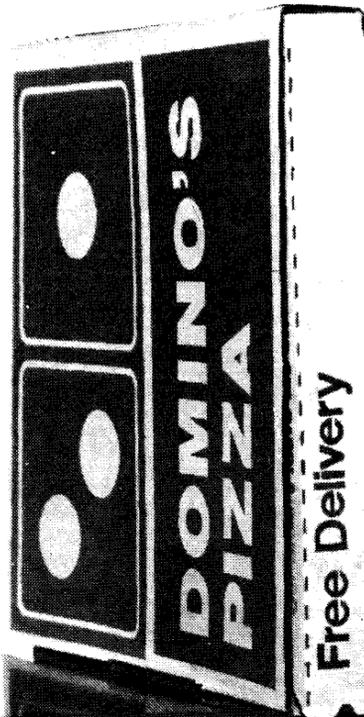
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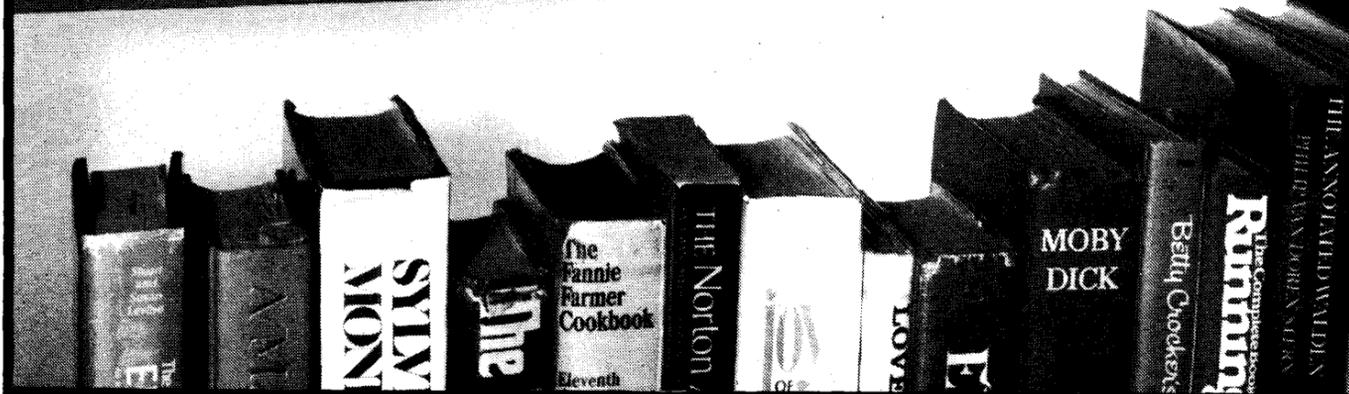
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ANNOUNCEMENTS

Preretirement workshop

A preretirement workshop will be conducted Jan. 16 at 1 p.m. in building 3222 (Army Education Center) for military personnel retiring or going on terminal leave within the next three months. Presentations will be made that affect benefits and rights for services members and spouses. Spouses are encouraged to attend. For information call 876-2022.

Computer course

The Learning Resource Center offers an introduction to computers course that covers the history of computers, how they work, their terminology and social implications. For information call 876-1061/1416.

Astronaut speaker

Speaker for the Engineers' Week banquet Feb. 22 will be Henry W. Hartsfield, veteran Space Shuttle astronaut, retired Air Force colonel and 1954 Auburn graduate. More than 20 engineering societies will participate in the banquet at Von Braun Civic Center. For information contact Frank B. Tatom, Engineering Analysis Inc., 2109 Clinton Ave. West, Suite 432, Huntsville 35805.

Ordnance ball

Early registration is being conducted for a second annual ordnance ball to be held here May 18 at the Officers Club. Invitations will be mailed around March 1. Those who did not attend last year's ball who want an invitation to this one should call Protocol Office, 876-7135.

Movies split up

The "Conan" movies scheduled to be shown as a double feature at the PX theater will instead be shown as separate movies on Jan. 10 and 11. Conan the Barbarian will be shown on Thursday and Conan the Destroyer on Friday. Those attending the Thursday show can obtain a free admission on Friday by presenting their ticket stub to the cashier.

Art museum

Watercolor workshops, an art appreciation course, and a course in sculpture for preschoolers will begin in late January at Huntsville Museum of Art. For information call 534-4566.

Computer users

The Apple Computer Users Group will meet at 1 p.m. Jan. 12 at the Universal Data Systems cafeteria at 5000 Bradford Drive NW, Huntsville. The topic will be the ABC's of modem hookups. The public is invited to attend. For more information call Jack Lundy 876-9414/9415.

Sci-Fi Group

The North Alabama Science Fiction Association will meet at 7 p.m. Jan. 12 at the First American Federal Savings and Loan at 4008 University Drive NW. For more information call Jack Lundy 876-9414/9415.

Found property

Bicycle found—chrome-colored, brand name BMX. To identify and claim, call the Investigations Division of the Security Directorate 876-2090/3449.

Blood program

Here's the blood program schedule for January: Jan. 10, from 4-8 p.m., building 3480 S. (7th Student Company); Jan. 11, from 7:30 a.m. to noon, building 4488; Jan. 16, from 9 a.m. to noon, 3711 (Recreation Center); Jan. 17, from 4-8 p.m., 3480 S. (8th Student Company); Jan. 17, from 7:30 a.m. to noon, Thiokol (Bus); Jan. 18, from 7 a.m. to noon, 5681 (Bus); Jan. 22, from noon to 5 p.m., 3480 S. (6th Student Company); Jan. 23, from 10 a.m. to 2 p.m., 3480 N. (515th Ord); Jan. 25, from 7:30 a.m. to 12:30 p.m., 4505 (Bus); and Jan. 29, from 3:30-6:30 p.m., 3436 (Marines). For more information call Donna McVay, Redstone's blood program coordinator, at 876-7621/2718.

ADPA dinner meeting

A dinner meeting of the American Defense Preparedness Association will be held Jan. 16 at the Officers Club. The scheduled speaker is Lt. Gen. Donald Babers, director of Defense Logistics Agency. Social is 6:30 p.m. with dinner at 7:30. Tickets are \$10. For reservations call Kathy Nees 536-6381 (contractors), Cynthia Durham 895-4636 or Peggy Preston 876-3267.

Theater group

The Redstone little theater group will meet tonight at 7:00 at the Recreation Center. All military personnel, dependents and Department of Army civilians are invited to participate. For more information call Maj. Darwin and Eva Washington 830-2716 or 859-2650.

Disaster training

The Madison County Chapter of the American Red Cross will offer a two-day Disaster Course entitled "Emergency Assistance to Families" on Jan. 15th and 17th. The course is designed to provide the community with workers who are trained and ready to render services in disaster situations. For more information call Sandey Chambers or Hugh Quinn at 536-0084.

Warrant Officers

The Redstone Chapter of the U.S. Army Warrant Officers Association will meet at the Officers Club on Jan. 10 at 11 a.m. Guest speaker will be Col. Joseph Cote, commandant of USAOM-MCS. All warrant officers, both members and non-members are encouraged to attend. For more information call CWO 3 Blount 876-7220/3100.

Production and Inventory Control Society

The Tennessee Valley Chapter of the American Production and Inventory Control Society will meet on Tuesday, Jan. 15 at the Sheraton Motor Inn. The meeting begins with a social hour at 6 p.m. Ken Stork will speak on "The Future Role of Material Managers." For reservations call 859-3660, ext. 134.

Post Exchange

The post exchange is offering a 10 percent discount on all items in the Europe section and on items in the photo and electronic portion of the Pacific section of its mail order catalog. The discount should be deducted from the price of the item when completing an order form. The discount does not apply to the shipping or handling fee. Copies of the catalog are available at the customer service department of the post exchange.

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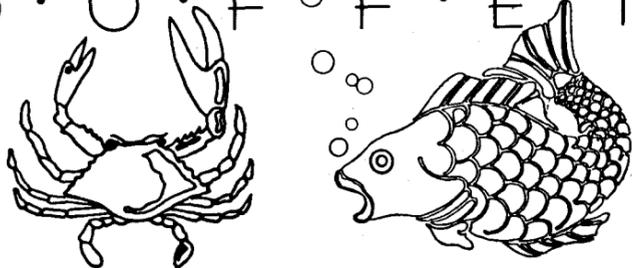
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The Redstone Rocket provides the Rocket Classified section as a free service to active duty military personnel and army civil service personnel at Redstone Arsenal. To place a Rocket Classified ad:

- Type or legibly print a brief description of what you want to sell on an 8 1/2 x 11 inch piece of paper (no 3 by 5 cards or torn paper accepted). You must list a price, your home phone number, your home address and your duty status (active or civil service).
- Sign the ad.

● Deadline is 9 a.m. on the Thursday before the ad will appear. Ads will run for only one week. You may resubmit them.

The Redstone Rocket will not accept ads concerning real estate, mobile homes, or apartments for rent, or businesses.

Conditional statements as "like new," "excellent condition," "runs well," will not be printed.

If you submit more than one classified at a time, place each one on a separate piece of paper, unless

they fall in the same sales category, (miscellaneous, vehicles, etc.).

Mail Rocket Classified ads to Sara Grant & Associates, Attn: Redstone Rocket Classified, P.O. Box 5351, Huntsville, Alabama 35805.

The Redstone Rocket will not accept free classified ads by telephone.

The Redstone Rocket is not responsible for typographical errors or for omissions in this section.

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Rising electrical use hurts energy conservation efforts

BY SKIP VAUGHN

A warm December may have saved heating energy but electrical usage is the problem area for the energy conservation program here.

Energy usage for the fiscal year was up 5 percent, according to the latest figures. The goal was to use 8 percent less energy than the previous fiscal year. This means the Missile Command's energy conservation program is 13 percent behind where it hoped to be.

"Electrical energy is going up, our heating energy is going down, and our mobility (transportation) energy is also going down," says Joe Dickey, the MICOM energy coordinator. The December gas bill, for example, is expected to reflect the reduced heating requirements. The electrical bill however shows almost eight percent more electricity was used than the previous December.

"There's nothing I can pin it down to," Dickey says. "There is more computer-type or electronics equipment that requires a controlled environment. And the only way you can control it is to use the air conditioning...I feel sure that that's a part of it."

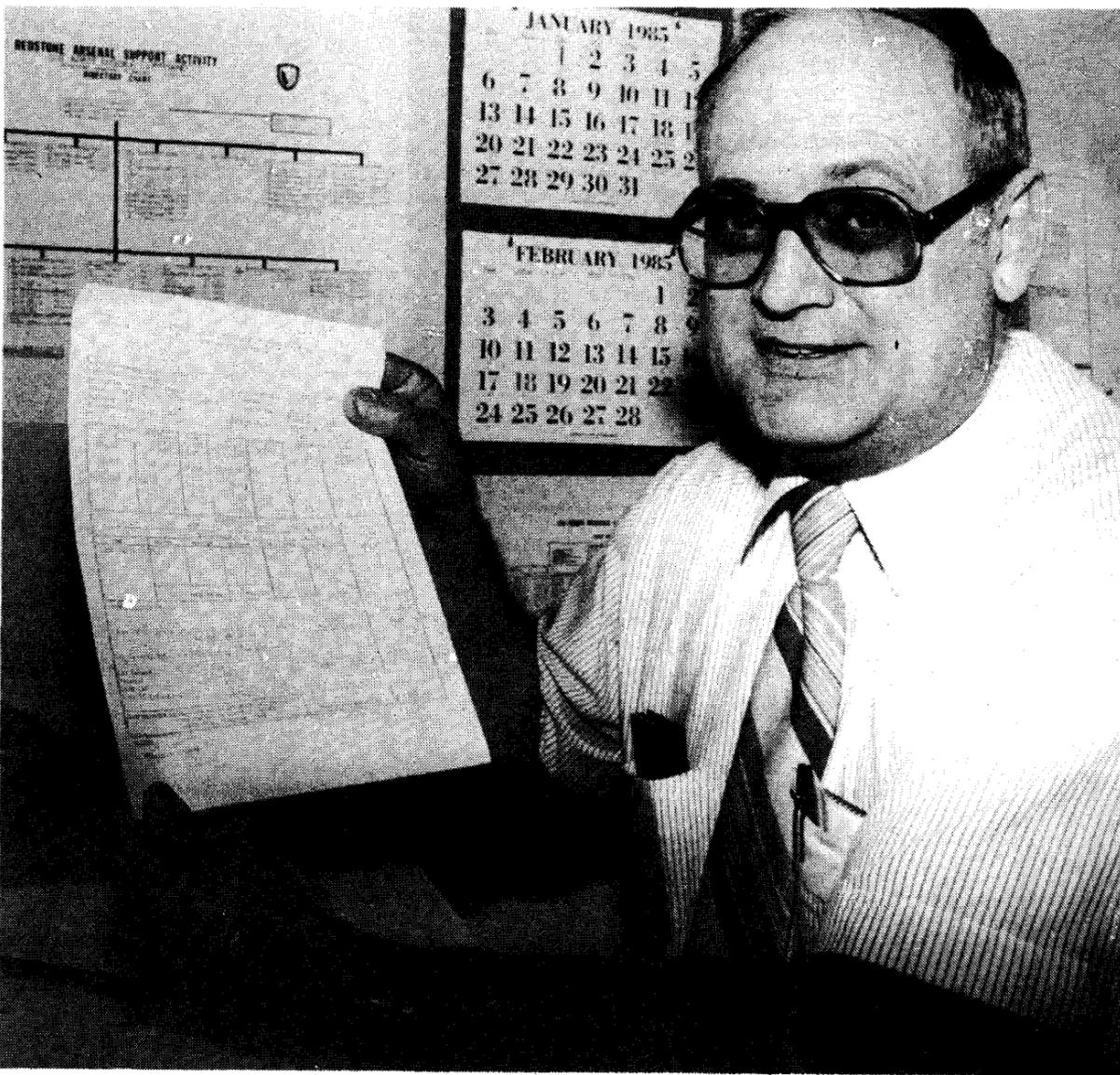
Workers can help conserve energy by not wasting it, according to Dickey. He recommends using the lights when they are needed and turning them off when not in the area. He also recommends turning off equipment when it is not being used. "We're strictly after eliminating the waste," Dickey says. "We don't want to cause any detriment to the quality of life."

Lighting is a major factor in energy use. A recent Tennessee Valley Authority study on Redstone showed that lighting accounted for 36 percent of the electrical energy used in building 4488. Air conditioning only accounted for 25 percent. "That says lighting is important," Dickey says. "It consumes more energy than does air conditioning for the building. You could draw the conclusion that wasting lighting could be worse than wasting air conditioning in the same building. I don't think people realize how much lighting actually consumes on this arsenal."

An energy advisory group, headed by Maj. Gen. Jerry Max Bunyard, meets quarterly to establish ways to save energy.

"There are many programs from higher headquarters that are implemented at Redstone through the energy engineering analysis program and through the energy conservation investment program," says Dickey. The Army has said that every base will have a fulltime energy coordinator and Dickey of Facilities Engineering has been Redstone's coordinator since April 1982.

Recent energy saving projects here include adding insulation on the steam and condensate return lines. This was finished about December 1983. Also that year a solid waste incinerator that burns trash to produce steam for heating was put into operation. About



KEEPING TRACK — Joe Dickey, MICOM energy coordinator, keeps track of energy usage.

1981 or '82 some storm windows were added in the barracks and, in the process, some windows were closed up.

A three to four year program, called the buildings energy reduction management strategy, was started in 1984. This means adding insulation and a metal covering on the exterior of selected buildings. Building 112 and those in the civilian personnel area were done last year in the program that will involve about 250 buildings. Missile Command headquarters building 5250 is among those being looked at.

In these days of limited budgets, energy conservation is important, according to officials. "The most important thing is it saves dollars that can be used for something worthwhile to perform our mission," Dickey says. "Additionally there is a presidential executive order that says we will (save energy)."

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Missile Systems team on a roll

They call them the Blazers and Missile Systems lived up to the nickname Thursday night by streaking past MIA, 71-52, in the Civilian Welfare basketball league.

The victory was the third straight for Missile Systems after two opening losses. Autro Whitman led the attack with 24 points, shooting a torrid nine field goals in 10 attempts and seven assists. He had help from Larry Cable with 14 points and James Sistrunk 10.

Kenneth McCormick had 17 points and James Fagan 12 for MIA.

Elsewhere, P&P-2 rolled past F&A, 68-50, and Computer Bits won by forfeit over COE in other Thursday games.

P&P-2 is tied for second place in league standings with Green Machine, both with 4-1 records. Dante Emanuel with 20 and Willie Epps 18 were tops for P&P-2.

Cedric Wherry was high scorer for F&A with 24 and had 13 rebounds and eight assists.

In other games before the holidays, Missile Systems nipped Security 58-56; PAO defeated COE 88-39; P&P-2 downed Pershing 84-47; PAO turned back Security 73-63; and AML rolled past Green Machine 80-44.

AML and PAO were tied for first place going into this week's action, both with 4-0 records.

Team to explain Army opportunities

Jan. 14-16 have been designated as Army Opportunity Days in Huntsville, according to the Army Recruiting Battalion in Nashville.

A team of representatives will be stationed at the Regis Inn in Huntsville for those days. The team will be able to answer questions concerning today's Army.

The project, coordinated by Capt. Jim Wright, commander of the Huntsville Recruiting Company, offers three days of personal counseling at the Regis Inn for those in the community interested in learning more about Army opportunities. In addition phone lines will be open at the Regis Inn for added convenience to those interested in talking with members of the Army team. The number to call is 539-8171.

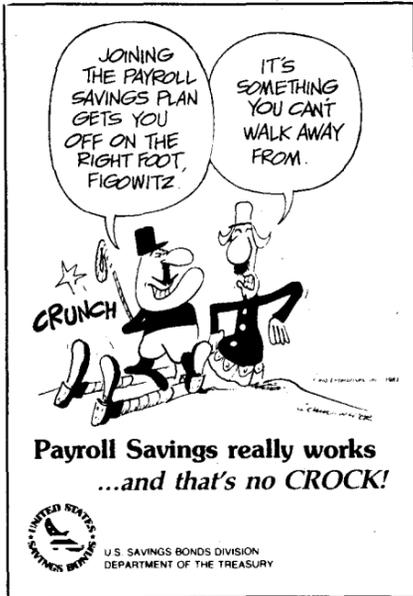
Huntsville has been selected as a test area for the Army Opportunity Days concept. The project, said Wright, was designed to make as much information available as possible and make it convenient for people in the Huntsville area. Even though there are Army recruiting stations in the area, by placing this team in a different, more casual atmosphere, Wright feels that more individuals will feel comfortable with approaching the team for information. Local recruiters will also be available to help those interested in following up Army opportunities.

For more information call Wright 539-6511 or call the Regis Inn 539-8171 Jan. 14-16.

CWF standings

Teams	W	L
AML Rockets	4	0
PAO	4	0
Green Machine	4	1
P&P 2	4	1
Missile Systems	3	2
MIA	3	2
Computer Bits	2	3
F&A	2	3
Security	1	3
Pershing	1	4
COE	0	6

Top Scorers	Team	Avg.
1. Craig Crossfield	PAO	27
2. Willie Epps	P&P 2	24.3
3. Mike Christian	AML	22
4. James Simmons	PAO	21.9
5. Larry Cable	Missile Systems	20
6. Dante Emanuel	P&P 2	20
7. Scott Little	Computer Bits	19.9
8. Kenneth McCormick	MIA	19.1
9. Leon Williams	Security	19
10. James Battle	F&A	17.6



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1982 Ford EXP \$5,695 4TB119A	1981 Puegot 505 4 Dr \$6,995 5F227A	1981 Isuzu MKI 2 Dr. \$4,895 5F625A	1981 Ford Escort L 2 Door \$3,995 LF643	1981 Chevrolet Monte Carlo 2 Door \$6,195 5F293A	1979 Marquis Grand 2 Door \$4,495 ST70-A
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1981 Ford Mustang 2 Door \$3,995 5F433A	1980 Renault Le Car \$2,195 T244B	1981 Puegot 505 4 Dr. \$6,995 5F227A	1980 VW Scirocco \$4,695 F84A	1984 Dodge Aries K Station Wagon \$8,395 T899-B	1983 Honda Civic Station Wagon \$6,695 F1343C
1982 Mercury Cougar XR7 \$6,495 5F340-A	1981 Pontiac Grand Prix L.J. \$6,495 F1094A	1984 Ford Escort \$5,695 5F529A	1981 Dodge Omni 2 Door 024 \$3,995 4F589A	1979 Mercury Cougar XR7 2 Door \$4,795 4F233A	1983 Toyota Tercel \$5,995 T793-A

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REDSTONE FEDERAL CREDIT UNION

Statement of Financial Condition November 30, 1984

Balance Sheet

Assets		Liabilities & Equity	
Loans	\$171,429,809	Accounts Payable	\$ 243,765
Allowance for Loan Losses	(395,210)	Dividends Payable	3,087,890
Cash & Receivables	6,273,357	Accrued & Deferred	164,723
Investments	31,870,371	Other Liabilities	(18,864)
Accrued Income	1,507,944	Shares	124,148,761
Prepaid & Deferred	59,505	Share Certificates	78,178,683
Fixed Assets	5,123,889	Reserves & Undivided Earnings	10,148,168
Other Assets	83,461	TOTAL LIABILITIES & EQUITY	\$215,953,126
TOTAL ASSETS	\$215,953,126	Number of Accounts	86,615
		Number of Loans	51,147

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Dr. Delia W. Black	Second Vice Chairman
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A MESSAGE FROM THE PRESIDENT

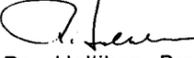
During the first eleven months of 1984, Redstone Federal Credit Union has experienced tremendous growth in all areas of operations. The excellent earnings recorded at the Credit Union allowed our Board of Directors to recently establish the new dividend policy, whereby funds earn dividends on a daily basis. Reserves increased by 54% in the past year. Membership at Redstone Federal Credit Union has grown 13.5% over the past twelve months, with outstanding loans to members increasing 38.3% during the same period of time.

To maintain the best service possible for our increasing membership, several new projects and programs are planned for 1985.

With the growing number of Credit Union members, the volume of transactions being handled at our offices has increased dramatically. To better handle the great increase in transactions, plans are underway for the construction of two additional offices. The new offices will be full-scale "service centers," designed to handle a heavy flow of traffic, while offering all types of member services. Construction is to begin in early 1985 at the first new service center at North Park Center at North Memorial Parkway and Mastin Lake Road. Upon completion of this office, the second service center will be built on existing Credit Union property on Weatherly Road near Bailey Cove Road.

The Loan Department at the Main Office will be relocated off the lobby, adjacent to the Real Estate Loan Department. This will allow members more privacy while relieving the activity in the lobby area. This move should be completed in January.

Redstone Federal Credit Union is proud of the accomplishments recorded thus far in 1984. We appreciate the fine participation of our membership which has produced the great progress experienced.


Roy Hollihan, President



REDSTONE FEDERAL CREDIT UNION

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