

Redstone Rocket

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Command attains milestone for equal opportunity

Percentage of black workers here the same as in local labor force

BY SKIP VAUGHN

For the first time ever, the Missile Command has achieved a percentage of black workers which is equal to the percentage of blacks in the civilian labor force of the Huntsville area.

The latest figures show that 13.2 percent of MICOM's workers are black, the same percentage of blacks in the local labor force. "Our work force now mirrors the civilian labor force outside," said Charles Ray, equal employment opportunity officer for the Missile Command.

"To us it's very significant because of how far behind we started," he said.

In 1972, blacks represented only 2.6 percent of the command's workers. That year the Department of Army commissioned a study of federal installations in Alabama to determine how they were doing in minority employment. DA's concern was mainly motivated by the results of a lawsuit filed against the Alabama Highway Patrol by the National Association for the Advancement of Colored People, according to Ray. A federal judge, Frank M. Johnson Jr., ordered the state highway patrol to hire one black for every white hired until a quota of 25 percent of its troopers were black.

"The Department of Army feared that if their installations were found to be seriously wanting in the same area, that a federal judge could conceivably order one-for-one hiring until some percentage was reached on federal installations without regard to merit," Ray said.

Results of study

Conducted in September-October 1972, the Army's special study of equal employment opportunity in Alabama indicated that only one command in Huntsville was making progress toward the EEO goal. That was the old Safeguard Logistics Command, where Ray worked at the time. After the study, the Missile Command recruited Ray from Safeguard and started to set goals and time tables.

Monitoring began for all personnel actions, specific annual goals were established, and a system was formed to determine success or failure. Different practices were implemented on selections, and managers found themselves having to justify their choices when minorities were on lists but not selected. "The mere threat of having to justify, I believe, caused quite a few managers to change their practices," Ray said.

The Urban Crisis Center of Atlanta conducted a mandatory training program for managers here that was credited with changing attitudes.

"A noticeable change began to occur in the 1976, 77 timeframe and seemed to snowball thereafter," Ray said. "Since 1977, the selection rate for blacks has been greater than that for whites. That's down to the present."

Procedural changes

The size of referral lists was expanded to increase their number of minorities and women. "It's ironic that eventually blacks began to complain about the size of the lists," Ray said. "The other thing that was interesting was that as the percentage of blacks grew in the MICOM population, the EEO office was criticized more and more by blacks in the work force. So the more successful we were in accomplishing our mission, the more criticism we received from the black work force.

"I guess you can best state it by saying that blacks had a tendency to expect individual treatment from

this office and had a vested interest in that treatment rather than having an overall concern, as we did, of balancing the work force," he said.

In 1980, the command began requiring each manager and supervisor to state equal employment opportunity goals and negotiate those goals with their superiors. This practice, which continues today, goes all the way up the leadership ladder. The EEO officer and the civilian personnel officer negotiate at the directorate level for the commander with those managers and supervisors who hold top positions. "In effect, EEO became institutionalized as are other command priorities," Ray said.

"What it (this practice) does is place the responsibility for EEO at the lowest level as well as at the

highest levels and they have a vested interest, because of their performance appraisals, in making sure what they project in these plans happens. Because, if it doesn't happen and they don't have a good reason, it might affect their overall performance rating."

The entire command deserves credit for the recent milestone, according to Ray. Where there were less than 200 blacks working at Redstone Arsenal in 1973, there are now more than a thousand. "That's significant progress and that represents an awful lot of changed family income in at least a thousand black families, with children benefiting and changing lifestyles as well. So MICOM has made in the past and will continue to make the American Dream possible for more and more blacks in the area," Ray said.



CHECKING PROGRESS — Ray says the command's employment figures are monitored quarterly by computer printout.

Command change ceremony plans set

The Missile Command will get a new commander in a ceremony set for 11 a.m. July 13 in front of headquarters building 5250.

Maj. Gen. August M. Cianciolo will succeed Maj. Gen. Thomas D. Reese as commander of MICOM and Redstone Arsenal.

The change of command is to be conducted by Gen. Louis C. Wagner, commanding general of Army Materiel Command. Among the general officers expected to attend are Lt. Gen. Jerry Max Bunyard, a former commander here who is now AMC deputy commander for research, development and acquisition.

About 600 invitations have been sent out, according to the protocol office. Among those invited are general

officers, commanders of major subordinate commands, the Army community relations committee, some retired officers and some retired civilians.

Reese will assume new duties in the Pentagon as deputy for systems management on the staff of the assistant secretary of the Army for research, development and acquisition. Cianciolo has been serving in that position since April 1987.

Reese has been in command at Redstone since May 1986. He had prior service here as MICOM's deputy commander from 1982-85.

Cianciolo, 52, a native of Covington, Ky., also had prior service at MICOM as project manager for the Multiple Launch Rocket System from 1982-83.

Big contract awarded for forward area air defense

Teledyne Brown wins award with potential value of about \$57.8 million

BY BOB HUBBARD

The Army has selected Teledyne Brown Engineering to be the integration contractor for the Army's Forward Area Air Defense System (FAADS), a five-part, \$11 billion program to improve battlefield air defense for Army divisions.

The Huntsville-based company will support and assist in the integration, acquisition and fielding of the total FAADS program.

The Missile Command awarded \$2.7 million to Teledyne Brown on June 24, which calls for work through Dec. 31. But the cost plus award fee contract has options which, if exercised, could extend the contract's life to six years and have a potential value of approximately \$57.8 million.

More than 50 percent of the work under the contract, which Teledyne Brown won in competition with four others, will be performed in the Huntsville area.

The FAADS program is the result of an Army study that assessed both current and future battlefield

threats and is structured to meet those threats. The plan involves fielding new and off-the-shelf weapon systems and consists of a mix of weapons, sensors, command and control components, and combined arms initiatives.

The major FAADS components include:

- Line of Sight-Forward-Heavy— A mix of missiles and guns mounted on tracked vehicles capable of moving and protecting front line troops against attack by helicopters and fixed wing aircraft. Army selected Martin Marietta's Air Defense Antitank System to fill this role in November 1987.

- Line of Sight-Rear— Army selected Boeing's Pedestal Mounted Stinger system in August 1987. PMS consists of eight Stinger missiles and a 50-caliber machine gun mounted on the high mobility, multi-purpose, wheeled vehicle. Will be deployed to provide mobile protection and high firepower in rear area divisions.

- Non-Line of Sight— MICOM's fiber optic guided missile (FOG-M) is leading candidate to find and kill targets masked to line of sight systems.

- Combined Arms— Improving the anti-aircraft capabilities of existing systems like helicopters, tanks, Bradley Fighting Vehicle, tank ammunition, etc.

- Command, Control and Intelligence System— The glue that holds all the FAADS components together. C2I will use ground and air based sensors to give commanders an up-to-the-minute picture of the battlefield; collect, display and feed data to all FAADS elements, interface and coordinate with other air defense systems and the joint services. MICOM awarded a contract to TRW in September 1986 to deliver the computer software, test and integrate the C2I into the FAADS umbrella.

Teledyne Brown will assist, monitor, coordinate and integrate the various groups performing FAADS activities into a "...FAADS system, a system of systems."

The Program Executive Office here manages the FAADS program for the Army. Clarence Tidwell is the civilian deputy PEO.

Constitution approval process peppered with debate

The ratification of the Constitution faced considerable ideological debate, both pro and con, among the states.

Two groups, the Federalists and Anti-Federalists, were the main players who took the stage during these debates. The Federalists wanted adoption. They favored a strong national government that served the

interests of the public. They included such members as James Madison, Alexander Hamilton and John Jay.

The Anti-Federalists did not want adoption, because they felt the Constitution gave too much power to the federal government. They felt power could be exercised better by the states, who were closer to the public and therefore safer. Their ranks included George Mason and Patrick Henry of Virginia and Luther Martin of Maryland.

Soon after the signing, the 'Anti's' bombarded the public with newspaper articles, mass meetings and pamphlets criticizing and challenging the idea of a federal republic. They feared a creation of a permanent aristocracy, criticized the lack of a bill of rights, and complained that power would lie with the few, instead of the many.

The Federalists countered these charges by defending the Constitution in a series of letters printed in New York newspapers, entitled *The Federalist*. Written under the pseudonym, "Publius," 85 letters appeared between October 1787 to May 1788. These defenders of the proposed Constitution were: Alexander Hamilton, 51 letters; James Madison, 29 letters; and John Jay, five letters.

The aim of *The Federalist* was to show that a return to the confederation would again lead to disunity and ineffective central government. They set out to prove that the Constitution would create a government that would preserve civil liberties and look after the various and differing interests of the 13 states. They stressed that the system of checks and balances, representation of the people, and the courts would improve the vision of the popular system of government. Argument was met with counter-argument but when all was said and done the constitution was finally ratified.

Upon ratification, the Federalists immediately took up some of the questions and complaints raised by the Anti-Federalists.

During the first session of Congress, Madison proposed and drafted a bill of rights. After more than 200 separate amendments offered by state ratifying conventions, only 10 were adopted. Madison's greatest legacy, The Bill of Rights, was added to the Constitution.

(Reprinted from A Resource Guide: Bicentennial of the Constitution, Office of the Chief of Public Affairs, Department of the Army, 1987)

McDaniel dies

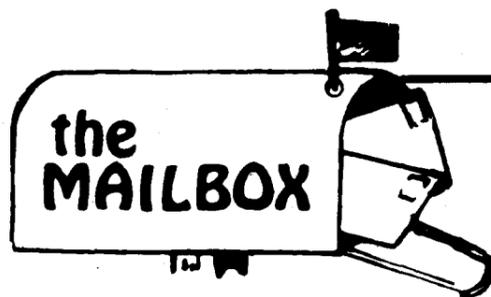
John L. McDaniel Sr., the former director of the Army Missile Research, Development and Engineering Laboratory here, died June 28. He was 69.

McDaniel served as director of the laboratory from 1970 until his retirement in 1977.

His career began at Redstone Arsenal in 1942, interrupted by Navy service during World War II. Through the years he earned many awards, including the Department of Defense Distinguished Civilian Service Award, the highest given by the Secretary of Defense.

A native of Guin, Ala., McDaniel graduated summa cum laude from Berry College in Georgia with a bachelor's degree in chemistry in 1939. He earned a master's degree from the University of Alabama and received an honorary doctor of science degree from Auburn University.

Survivors include his wife, Helen J. McDaniel of Decatur; three sons, John L. McDaniel Jr. and John William McDaniel, both of Decatur, and John Mark McDaniel of Huntsville; two daughters, Nancy Webb of Knoxville, Tenn., and Bonnie McDaniel of Decatur; a sister, Lucille Atkins of Guin; and seven grandchildren.



Wage grade pay

Editor:

AFGE Local 1858 is not satisfied with the wage grade increase for 1988. The increase ran in the June 29 issue of the *Redstone Rocket*.

As president of Local 1858, I have forwarded the following letter to Sen. Heflin, Sen. Shelby, and Rep. Flippo.

"The wage grade (blue collar) civil service workers at Redstone Arsenal- Huntsville, Ala., area are being seriously affected by the use of the locality survey. Sen. Kassebaum (R-Kan.) in 1982 sponsored an amendment which excluded (for one year) the people of Wichita, Kan., from the locality wage survey.

"Therefore, request the Huntsville, Ala., area be excluded from the locality wage survey for one year which would allow the people to be paid the unrestricted rate— the rate(s) they would have been paid had the pay not been capped for the last 10 years.

"The 10 years of pay caps have placed our workers in a 23.5 percent pay lag or \$2.22 pay lag of the local industry.

"The exclusion from the survey for one year would greatly help their morale and would help the affected employees economically. President Reagan has used the declining economy issue to get around Public Law 92-392.

"For further information, please call me at 205-881-7430/876-4880 or Gar Conley, AFGE National Office, 80 F Street, Washington, D.C. 20001, 202-737-8700.

"Please let me know of your decision as soon as possible. Your assistance is greatly appreciated."

We will keep you informed of this proposal.

Dennis Garrison
President,
AFGE Local 1858

Sign your letter

Letters will not be considered for publication in the *Redstone Rocket* unless they are signed and contain an address or phone number for the writer. Names are withheld on request but unsigned letters will not be used. Send letters to: *Redstone Rocket*, AMSMI-IN.

THE REDSTONE ROCKET

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Officers here chosen for command/product manager slots

Local Army officers were among the 469 lieutenant colonels and promotable majors Armywide selected for command/product manager slots in fiscal 1989.

Selectees include Maj. Sandy E. Harrison, Strategic Defense Command ground based radar project office; Lt. Col. James D. Hornaday, SDC contracts office; and Lt. Col. John C. McIlrath, assistant division engineer at the Huntsville Division of the Corps of Engineers.

Lt. Col. Thomas A. Kahlert, SDC theater missile defense project office, was selected as an alternate for a command slot.

The Missile Command's selectees include Lt. Col. Michael K. Lamb, Maj. Larry E. Ivey, and Lt. Col. Jerry L. Blount (stationed in Germany), all chosen for command slots. Lt. Col. Gerard P. Barrett, Lt. Col. Daniel M. Prescott (stationed in Paris), Lt. Col. Claude H. Flick and Maj. Robert E. Armbruster Jr. were picked for product manager.

Maj. Frank C. Davis of the Ordnance Missile and

Munitions Center and School was selected for a command slot.

Only 8.2 percent of the 5,681 officers considered were selected for command or product manager positions, according to Lt. Gen. Allen K. Ono, the Army's deputy chief of staff for personnel. This compares to a 7.6 percent selection rate for fiscal 1988.

Personnel officials say this was the first lieutenant colonel command list to be affected by removal of the 10-15 percent limit on the number of first-year selectees the board could pick. This policy change was first applied to the fiscal '89 colonel command list released earlier this year.

The change resulted in 68 percent of the list being first-year eligibles.

"The change follows the chief-of-staff guidance to provide our quality troops across the Army the best-qualified commanders the board could identify from those eligible," Ono said. "Therefore, we removed the artificial 10-percent constraint."

Included on the list were the names of 41 product managers selected for designated programs/positions for fiscal 1988-89.

"These are really unsung heroes who deal in the knotty and complex work of research, development and acquisition. We need top-flight people in these crucial jobs," Ono said.

Three of these product manager slots are in Huntsville: Lt. Col. Dan Montgomery was named product manager of SDC's electromagnetic/electrothermal gun effort; Lt. Col. Joseph Cosumano will be the product manager of MICOM's forward area air defense command and control systems; and Lt. Col. Flick was selected to head MICOM's high and medium air defense command and control systems.

Other selectees will be notified of a final command assignment by late July, according to officials. Selectees were not told which units they would command at the time of the list's release.

Goldwater-Nichols Act spurs joint education growth

BY JIM GARAMONE
American Forces Press Service

While the Goldwater-Nichols Defense Reorganization Act of 1986 will impact on the services for many years, one area it will affect significantly is joint professional military education.

The reason: The act created a new joint specialty for officers, requiring them to have both joint professional military education and a tour in a joint-duty position. There are roughly 4,500 such positions.

The Defense Department is working with the services to increase the "jointness" in professional military education and to revamp instructions to ensure the education programs will produce qualified joint-specialty nominees.

The Goldwater-Nichols act calls for joint-specialty officers to finish a course in joint education, then serve 3 1/2 years in a joint-duty assignment before they can be awarded the joint-specialty officer designation.

Right now, the National Defense University in Washington, D.C., and Norfolk, Va., is the only institution providing joint-service professional military education. Three colleges are included in its system — the National War College, the Industrial College of the Armed Forces and the Armed Forces Staff College. Currently all three graduate between 500 and 600 personnel annually into joint-duty assignments.

But even this does not necessarily give the whole picture. "Before all this (the Goldwater-Nichols act) came about, we were starting to expand our instruction in joint operations and joint-staff planning," said Army Col. Powell Hutton, director of academic affairs at the National Defense University in Washington. "But that (creating joint-specialty officers) is not the mission of the colleges in the university. The closest thing in the Defense Department system to putting out joint-specialty officers was at the Armed Forces Staff College. We had to create a joint-specialty program."

What makes up good joint professional military education?

According to Hutton, several aspects are important. Among them are the curriculum of the course itself and the format in which the course is taught. But the most important portion of a good joint education has less to do with what is taught than the environment in which it is taught.

"The exposure to the lifestyle, thoughts, duties and traditions of the other services is what makes a good joint education," he said. "When you rub shoulders

each day with counterparts and learn what those people think is important or how they would accomplish a particular mission and you bring that into your perspective, then you are starting to get to the nature of a joint education."

Hutton said it's more than just what the steaming range of an aircraft carrier is or how many hours a C-141 can fly before it needs a major overhaul. "Don't get me wrong—things like that are important," he said. "But knowing what the person driving that ship or planing the C-141 mission is thinking is better."

But the facilities at the three colleges in the National Defense University cannot handle the number of officers needed for joint specialty assignments. DoD can either increase the university's size or turn the intermediate and senior service schools to teach joint courses. At the request of the vice chairman of the Joint Chiefs of Staff, the staff at the National Defense University came up with a joint curriculum for these schools, which was subsequently approved by the chairman, Joint Chiefs of Staff.

The Army, Navy and Air Force schools already have officers from the other services attending their institutions under the "sister-school" program.

Ideally, according to Hutton, there should be a joint-service faculty also. But this may not be possible at the service schools. The limits on students and faculty from other services will probably mean that only a portion of each school's program will be fully joint.

At the intermediate level, the joint curriculum adds about 240 hours to the course; at the senior level, it's

about 110 hours. "Obviously, adding this level of instruction means that something else is going to have to suffer," said Air Force Col. Bob Childs, director of academic plans and programs at the National Defense University. "The schools will probably take this time from the electives portion of their curricula. This is a tradeoff, but the alternative is to expand the school year, and that isn't going to happen."

But the curriculum is not set in tablets of stone, according to Hutton. "Every new course has to be accredited," he said. "This usually happens after the first couple of classes have gone through. We don't have the luxury of so much time with this course of study. So, as the courses are being set up and before they start, the Joint Chiefs of Staff will be certifying that what is being taught is what should be taught and if a school gets away from the direction it should be headed, it can nudge it back in line before it gets too far off track."

Ten intermediate and senior-level schools plan to adopt the program. Hutton emphasized that the services were getting into more joint training before the Goldwater-Nichols act became law. "Jointness is a vision," he said. "The need for it was noted long before (the Goldwater-Nichols act). It is not an easy vision to achieve. We breed pride in our own organizations.

"Most of the officers experience 20 years with a service, and it is difficult to change loyalties. But jointness is realizing that another service's solution may be the best. Understanding that fact is the purpose of joint professional military education."

Symposium set for contractors

The Missile Command's value engineering office will conduct a VE symposium for contractors on July 11.

The symposium will be held from 9 a.m. to 4 p.m. at the Tom Bevill Center, located off Sparkman Drive at University Drive, on the campus of the University of Alabama in Huntsville.

Value engineering is a program aimed at coming up with money-saving alternatives for doing things. VE change proposals are ideas submitted by contractors.

"This is a symposium to reach contractors to help them in trying to submit VE change proposals," said Mike Price, value engineering training coordinator. Speakers will include officials from Redstone Arsenal. Some 61 contractors, many of which are smaller firms in the Huntsville area, have been contacted about the symposium.

"This is the first time we've ever done anything like this," Price said. "Other commands have done this and it's come off real well."

For more information, call Price at 895-4066.



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Israeli defense minister visits Army commands here

Last week Israeli Defense Minister Yitzhak Rabin paid a brief visit to Redstone Arsenal for meetings with Missile Command and Strategic Defense Command officials.

Following his 3:30 p.m. arrival at the Redstone Airfield, Rabin was whisked to the MICOM Battlefield Automation Management Directorate for briefings by the High Medium Air Defense Deputy Program Executive Officer, Dr. Bennie H. Pinckley; Patriot Anti-Tactical Missile Product Manager, Lt. Col. Henry Field; and Strategic Defense Commander, Brig. Gen. Robert L. Stewart. Rabin had requested this meeting with military commands involved in joint Israeli-U.S. defense efforts.

The SDC Theater Missile Defense Applications Project Office will manage two joint U.S.-Israeli research projects for the Strategic Defense Initiative Organization: the Arrow Anti-Tactical Missile Experiment and a Battle Management/Command, Control and Communications (BM/C3) Concept Design Study. These projects were authorized in a special Memorandum of Agreement signed by SDIO Director Lt. Gen. James A. Abrahamson and by Israeli Ministry of Defense Director General Maj. Gen. (Res.) David Ivry on June 29.

The Arrow Experiment is designed to demonstrate the Arrow's capability to intercept a tactical ballistic missile. The experiment will be conducted on an Israeli test range.

The BM/C3 Study will lead to a design-concept for analyzing, evaluating and validating candidate architectures for defense against tactical ballistic missiles.

The agreement includes a cost-sharing provision for these projects with SDIO funding 80 percent and the Israeli Ministry of Defense 20 percent.

Following the briefings and a look at Patriot hardware, Rabin attended a reception at the Officers Club prior to his departure.

Rabin's Huntsville stop was part of a several day U.S. visit that included meetings with President

Reagan, Secretary of Defense Frank Carlucci and Secretary of State George Shultz.

At Redstone, Rabin was greeted by MICOM commander Maj. Gen. Thomas Reese, and SDC commander Stewart. Maj. Gen. Eugene Fox, SDIO deputy director for programs and systems, and Maj. Gen. Robert Hammond, SDC commander-designate also attended the meetings.



TOP VISITOR — Rabin (left) is greeted at Redstone Airfield by Maj. Gen. Thomas Reese, MICOM commander; Maj.

Gen. Robert Hammond, SDC commander designate; and Brig. Gen. Robert Stewart, SDC commander.

Technology to stay from ground-launched cruise missile

With the ratification of the Intermediate-Range Nuclear Force Treaty, further deployment, production and flight testing of ground-launched cruise missiles have been halted.

What remains to be done is twofold: Arrange a gradual — the treaty calls for three years — dismantling of ground-launched cruise missile sites, and assure the technology developed for the missile system is adopted for future use.

Nurturing the professionalism, instilling the dedication and ensuring competence in those manning the ground-launched cruise missile sites has been the mission of the 868th Tactical Missile Training Group based at Davis-Monthan Air Force Base, Ariz. Group commander Col. Robert D. Livingston said the training is rigorous and that commissioned or non-commissioned officers reporting to a ground-launched cruise missile site are well aware of the part they play in the NATO alliance.

But that part is now gone. And although the 868th will continue to train missileers for 26 months, the future of the unit is "murky," according to Air Force officials.

There are six ground-launched cruise missile wings, all based in Europe. As the drawdown occurs, these airmen will move into other fields — security personnel, for example, will go into other security fields.

"It takes 70 people to form a GLCM flight," said

Livingston. "Each one knows he or she plays a critical role in ensuring the success of the mission. We ask them to, in effect, be on duty 24 hours a day under sometimes very difficult conditions. But the training each receives before being assigned to a unit prepares them for the challenge. The fact that the Soviets have negotiated removal of the missiles from Western Europe is not only a testament to technology, but to those who guard, maintain and launch the missiles."

Only 13 seconds after a ground-launched cruise missile leaves the launch canister, it sprouts wings and a tail fin. A small jet engine powers the weapon at subsonic speeds out to a range of up to 1,500 miles. The missile is highly accurate and travels at treetop level, making it almost impossible to detect or defend against.

Cruise missile technology, which matured in the mid-1970s, has resulted in missiles that can be launched from aircraft, ships, submarines or the ground. They are not "first-strike" weapons, because they cannot be launched in a quick, massive strike like ballistic missiles can.

The ground-launched cruise missiles being removed from Western Europe are considered "theater nuclear forces" used to launch retaliatory strikes.

The basic ground-launched cruise missile flight, deployed in cruise missile wings, consists of 16 cruise

missiles, four transporter erector launchers and two launch-control-center vehicles. Four launch officers, 19 maintenance technicians, 43 security personnel, one medical technician, an assistant flight commander, a flight commander and a defense force commander make up a flight.

The missiles are secured at main operating bases, protected by hardened concrete shelters designed to hold two control centers and four launchers against conventional attack — including precision air strikes.

During alerts, the units move to a predetermined area and await instructions. Once the team is set up, the area is secured and the launch-control officers proceed through prelaunch security procedures. Ground-launched cruise missile flights practice these procedures often.

While the missile itself is leaving the inventory, the technology will stay. The contour-hugging feature will be used in such diverse systems as reconnaissance drones, remotely piloted vehicles and glide bombs. New technology is being developed for even closer-to-the-ground flight. Ladar — a carbon dioxide laser that can guide a missile to a target by matching data from laser surveillance of the terrain with a digitized map in the computer's memory — is being tested.

The conclusion: Technology and the U.S. service members involved with the ground-launched cruise missile will continue to be partners in tomorrow's national defense. (American Forces Press Service)

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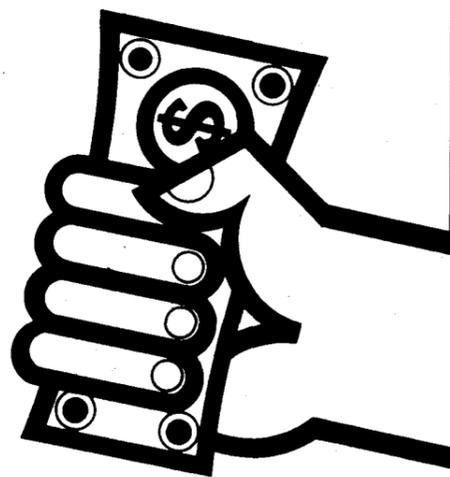
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Reserve components need the tools to perform their job

BY JIM GARAMONE

American Forces Information Services

Training and equipment are two areas that the Reserve components need to stress, according to Stephen M. Duncan, assistant secretary of defense for Reserve affairs.

Duncan also said that the military leadership and Congress cannot add more missions to the Reserve components without giving them the tools needed to perform the job.

"We are currently planning for what we want the Reserves to be 10, 20 and 25 years from now," he said in a wide-ranging interview with the American Forces Information Service. "I've been working with the chiefs of the Reserve components exploring such questions as: What is the most cost-effective employment of Reserve forces? What missions can they assume that they are not performing now? Where are they most cost-effective than active duty forces? How can they contribute to our national security policies without crossing the line where the pressures from employers and family members are so great that we start to lose them?"

Duncan said these questions need answers, and now—with the Reserve components in the best shape they have ever been—is the time to get them. "Who would have predicted 20 years ago that the Reserves would be doing what they are today?" Duncan said. "We have Navy reservists aboard minesweepers and frigates in the Persian Gulf. Air Guard and Air Force Reserve pilots are flying missions throughout the world on a daily basis. Army Guard and Reserve troops are performing real world missions. You couldn't predict this 20 years ago, but it's going to continue."

The change in the Reserves came when the Total Force concept was promulgated in the early 1970s. Prior to that, the Reserves were forces held strictly in reserve. Under Total Force, reservists became integrated into operational plans on a mission basis.

But the policy never really got off the ground until the early 1980s. "That's when the Congress finally

started appropriating the kind of money long needed for the Reserve components," Duncan said.

Modern equipment and more money for training started going to the Reserves. Where appropriate, Reserve component units have a higher priority than active duty units. For example, an Army Guard unit that deploys overseas in a time of crisis gets equipped before an active duty unit that doesn't deploy for several weeks.

The "first to fight, first to equip" policy is being expanded. "I take the view that it's not just infantry and armor units (covered this policy)," he said. "It means any unit—combat, combat support or combat service support. If they are deploying early and are going to be engaged in combat early, then we have to make sure they are ready. In a time of limited resources, we are going to concentrate on those units."

Equipment is an area that needs more attention. "Not all Reserve units have modern front-line equipment," Duncan said. "We do not have all the equipment we need to perform the missions we now have assigned. We are better off than we were just a few years ago, but this is an area that needs more. What we would like to see is a budget floor for resources for the Reserves. That way we would know, from year to year, what minimum to expect. That would facilitate planning and give the Reserves predictable growth, rather than the high and low budgets we go through now."

Training is another area of concentration. "The Reserves have a couple of advantages over the active duty forces," he said. "The men and women of the Reserves train over time as a unit, deploy as a unit and would fight as a unit. There is time for them to understand how the unit meshes together. Active forces often lack this advantage because service members are transferred as individuals, and often there is insufficient time to see how the unit would work together. We need to retain and increase this cohesion."

"We just completed an analysis of a survey of the Selected Reserve taken in 1986. One result was that reservists think their (two-week) annual training is the best part of the Reserves," he continued. "This has to

do with the fact that they are actually doing what they signed up to do. They are working on the equipment they would fight with, and that's enjoyable for them. The training is meaningful.

"Less attractive are weekend drills. The survey confirmed what we intuitively knew: that there is too much paperwork and not enough time spend on their main jobs at drill. This is where the commander and senior enlisted leaders come in. Commanders have to find new ways to accomplish paperwork in a shorter amount of time. They have to find time for meaningful training during weekends."

Simulator training is important to the Reserves, but so is time on the weapon system. "Simulators can provide a level of expertise at a fraction of the cost of training on the actual equipment," Duncan said. "But a simulator can't take the place of actually firing the M-1 or flying the F-16. We must program monies to continue this actual hands-on-training."

One action that would erode the readiness of the Reserves would be to assign missions to the National Guard and Reserve without also assigning the money necessary for equipment and training. Duncan said the temptation to assign missions to the Reserves grow in times of fiscal constraints. "Superficially, it appears to be cheaper," he said. "There is no doubt that there are many instances when you can use (the Reserves) to perform real-world missions on a more cost-effective basis. I am receptive to new missions for reservists."

"But it is not quite that simple," he continued. "Yes, it is cheaper, in some sense, to ask reservists to perform these missions. But I am unwilling to accept that we can ask them to perform additional missions without making sure they have the equipment to train on and that they can use. It's more than unfair, it's bad policy to ask anyone to perform missions without that support."

Duncan said there is another side to the equation. "The point I make—in testimony and elsewhere—is that reservists have some pressures that active duty people don't," he said. "They have to maintain their civilian jobs. So every day they are away training to (See Reserve, cont'd on page 15)



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Company's soldiers keep pace to anti-drug beat

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take the keys away.
Let them sleep in your house,
or even sleep in your bed.
Well, anything is better
than being dead.
You see life gets hard,
and life gets tough.
But only you can say
when enough is enough.
You see drinking and driving,
it just don't mix.
So get a grip on your life
and give up those kicks.*

BY FRED A BRAME

No, this isn't a poem or the words to a new song. It's the lyrics to an anti-drug "jody" that members of the 95th Maintenance Company sing in cadence while running in formation during physical training.

A jody means musical lyrics that soldiers sing in cadence while marching or running to help them stay in step and keep the pace. A cadence caller sings a line and the soldiers in formation repeat it.

This jody was written by Chester Andrews II, a former member of the 95th.

Andrews said that he wrote the jody while stationed in Muenchweiler, Germany because "there were a lot of accidents due to drinking and driving. I hoped it would make them think twice about it (drinking and driving)."

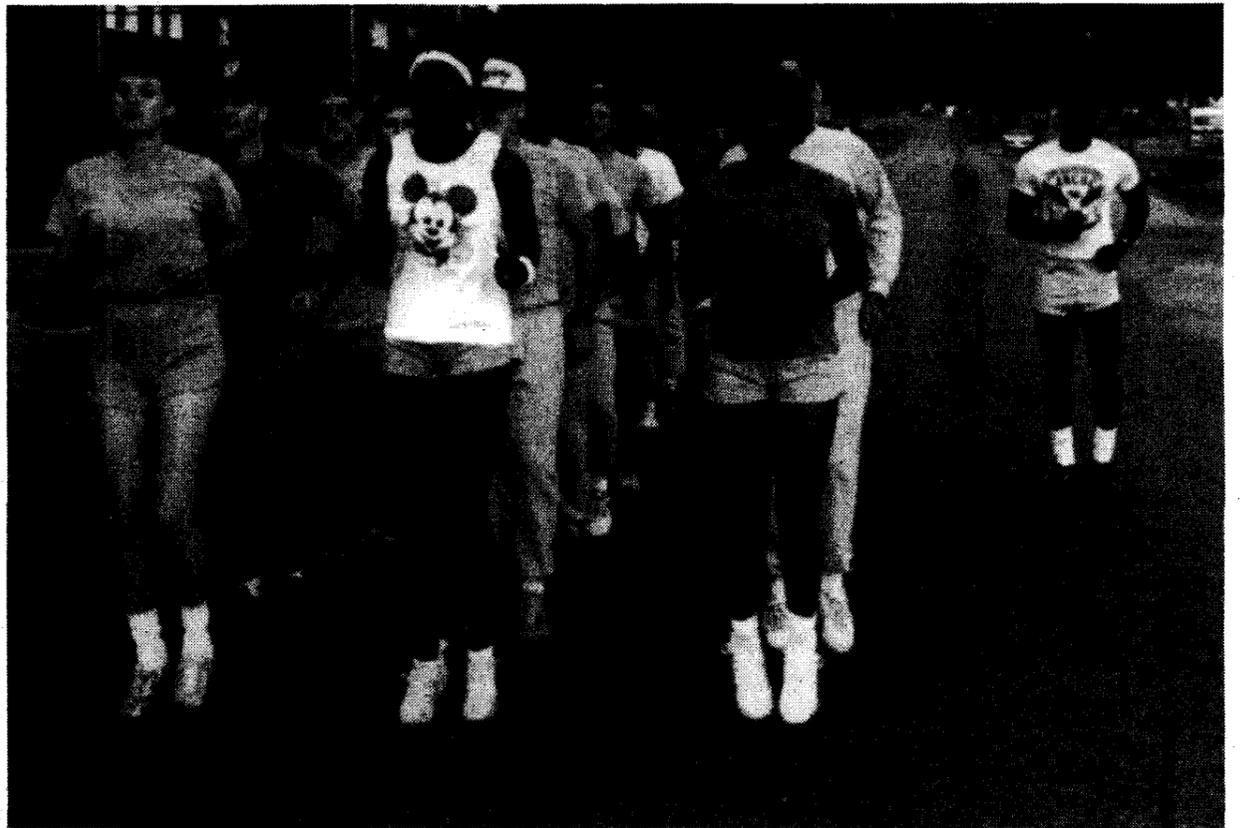
This jody has a great beat that young soldiers can identify with, said Capt. Brian Marr, 95th's commander.

"Music means a lot to young people," Marr ex-

plained. "You can't go into an office and not find a radio. If they like the beat, they will listen to the words.

"Old jodys, written during the Vietnam era, were

about fighting and worrying about your girlfriend back home. This jody addresses a very important social problem that affects, not only the Army, but everyone."



IN STEP — Members of the 95th Maintenance Company run to the cadence of an anti-drug jody called by SSgt. Alfonza Dunbar.

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New information system could improve medical care

BY EVELYN D. HARRIS
American Forces Press Service

DOD is testing an integrated hospital information system that its health officials expect will provide improved medical care in military hospitals.

The Composite Health Care System will automate seven major areas: patient administration, patient scheduling, laboratory, radiology, pharmacy, nursing and clinical dietetics. In addition, it will provide communications, maintenance and operations support for those facilities.

The system will be put together under an eight-year, \$1 billion contract with Science Applications International Corp. of San Diego. DOD officials expect the new system to save \$1.4 billion when in full operation and to increase the quality and quantity of care.

It is being tested in Ireland Community Hospital, Fort Knox, Ky., and is being installed for testing in nine other military hospitals in the United States. If these tests go well, the system will go into 700 medical treatment facilities worldwide, beginning in late 1989 and continuing through 1997.

Some problems DOD health officials hope the computer system will lessen or eliminate include:

- 25 percent of hospital staff time now consumed by handling written information;
- 18 percent of nursing staff time spent on clerical functions;
- 20 percent of inpatient and 33 percent of outpatient radiology results that must be located by the health-care provider (doctor or nurse); and
- 35 percent of medication errors that are transcription errors.

In addition to helping solve such problems, officials expect the system to save money and increase availability of services by:

- Reducing the number of lab procedures and radiology procedures by eliminating duplication;
- Making lab and radiology results available immediately, thus reducing hospital stays, the number of clinic visits and the time per visit — saving the patient time away from the job as well as the time of the medical staff;
- Reducing the number of outpatient medication by allowing each doctor to see a complete list of all medicine issued a patient before writing a prescription

— this eliminates duplicate prescriptions and prescriptions for medicines that will react badly with the patient's other medications;

- Eliminating redundant clerical activity in hospitals and clinics; and
- Reducing technician time in medical recordkeeping and related activities.

In recent congressional testimony, Assistant Secretary of Defense for Health Affairs Dr. William Mayer called procurement of the Composite Health

Care System a giant step forward. He said the ability to integrate DOD's medical information and provide standard automated support worldwide is most important in this time of budget cuts and would change the way DOD provides health care well into the 21st century.

"CHCS will enable us to make the best possible use of our most precious resource — our health-care providers — but the real beneficiaries of this system will be our patients," he said.

Workers invited to join health club

The Civilian Welfare Fund has arranged for workers here to stay fit in their spare time at a local health club.

CWF is paying the corporate initiation fee at Huntsville Athletic Club, 3250 Leeman Ferry Road (just south of Joe Davis Stadium). This enables civilian employees and immediate family members, military people, and retirees to have 80 percent savings on their initiation fee at HAC.

With the reduced rates, a single membership costs \$40 initiation fee and \$40 monthly dues. A couples membership costs \$50 initiation fee plus \$50 monthly dues. A family membership costs \$60 initiation fee and \$60 monthly.

"Since we don't have anything on post yet for civilians (as far as a fitness center), these facilities are

being offered," said Carl Chambers, president of the Civilian Welfare Fund.

Membership in the athletic club includes unlimited tennis, racquetball, aerobics, jazzercise, volleyball and unlimited use of Nautilus fitness and conditioning equipment, indoor running track, tanning beds, saunas and whirlpools. A restaurant is located at the club and a meeting room is available to members without charge. HAC is open seven days a week: 6 a.m. to 11 p.m. Monday through Friday; 7 a.m. to 9 p.m. Saturday and Sunday. For information call 881-0931.

"A tour of the club will be arranged for you," Chambers said. "Your badge identification will be required when you apply for membership."

Soldiers advised about absentee ballots

Many soldiers and their family members will lose their right to vote this year because the Federal Post Card Applications they submitted to get absentee ballots were missing necessary information or had the wrong military address.

Soldiers can avoid problems with their applications for absentee ballots by contacting their unit voting assistance officer or unit commander for help in obtaining and filling out the FPCA.

Command voting officers have copies of DA Pam 360-503, 88/89 voting information for unit commanders. The pamphlet has the information about how soldiers can register to vote using the FPCA.

The following should be emphasized when soldiers fill out the FPCA:

- Correct military address. If the military address has changed since a ballot was first requested, notify local election officials.

- Correct and complete local address of the jurisdiction where the ballot is requested.

- Legible handwriting.
- Give party affiliation, if the state requires it.

Soldiers who follow the directions on the FPCA and in DA Pam 360-503 shouldn't have any problems filling out the form and protecting their right to vote in the 1988 general election. (Arnews)



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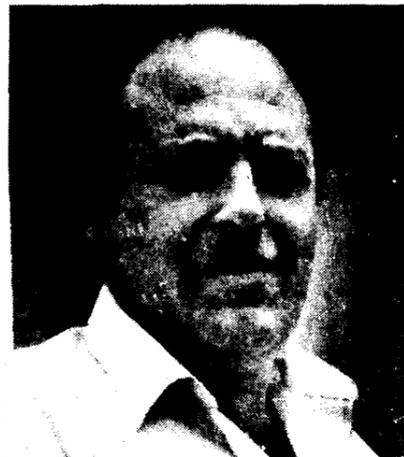


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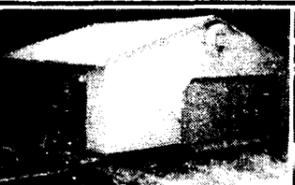


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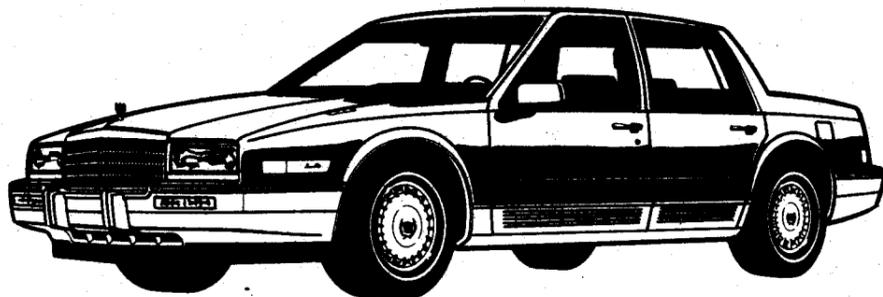
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Redstone animal lover trains first dog from Alabama to

BY FREDA BRAME

When you enter Terry Davis' quarters, you realize that you're in the home of a dog lover.

The minute you open the door, you are greeted by three beautiful German shepherds. Boson, Cocoa, and Einstein are very friendly with visitors—once they have been introduced, of course.

All three dogs are obedience show dogs and have earned numerous titles. But the star of the pack is 3-year-old Boson, who recently became the first dog from the state of Alabama to earn the American Kennel Club, Tracking Dog Excellence Title.

Only 61 dogs out of several hundred entrants throughout the United States, earned the AKC Tracking Dog Excellence Title in 1987.

Boson's accomplishment was the culmination of two years of hard work, said Davis, her owner/trainer. She passed a certification tracking test at Redstone Arsenal, on Oct. 18, 1986 which qualified her to compete in AKC tracking tests. Six weeks later, she passed her first AKC tracking test in Memphis, and earned a Tracking Dog Title.

The following spring, Davis began training Boson for the Tracking Excellence Title. "We did most of our training here on Redstone Arsenal," Davis said. "I would go out and lay a track and then have Boson follow it. Sometimes I'd get friends or kids to lay the track so she would get used to different scents."

Since the tracking excellence test requires dogs to track across streams and through fences and vegetation, Davis said she laid her tracks accordingly. "I always wondered what people thought when they saw me crawling under a fence when there was a gate nearby," she said, laughing.

Finally, on April 17, 1988, Boson, whose full name is Viernheim's Kleiner Schwrzer Diamant (Hometown's Little Black Diamond) passed the AKC tracking excellence test in Dayton, Ohio, and earned her title.

But tracking is just one aspect of Boson's talents. She also has an AKC Companion Dog Excellence Title and is working toward a Utility dog title.

Also, Boson, Cocoa and Einstein are registered with Therapy Dogs International, an organization that promotes the use of trained service dogs to visit nursing homes, hospitals and other institutions.

"I organized a Therapy Dogs International team in Huntsville in the fall of 1986," Davis said. "We usually visit a local nursing home each month. Even if no one else can come out, I'll go. It's better to have just one dog than to cancel a visit."

Some of the patients really love the dog visits, she explained. "It's amazing how they perk up and smile, and some even talk after several months of silence."

"When I take Boson into a nursing home, especially, for the first time, I like to dress her in her pink bonnet. It lets the patients know that she is a female dog and makes her less threatening since she is so big."

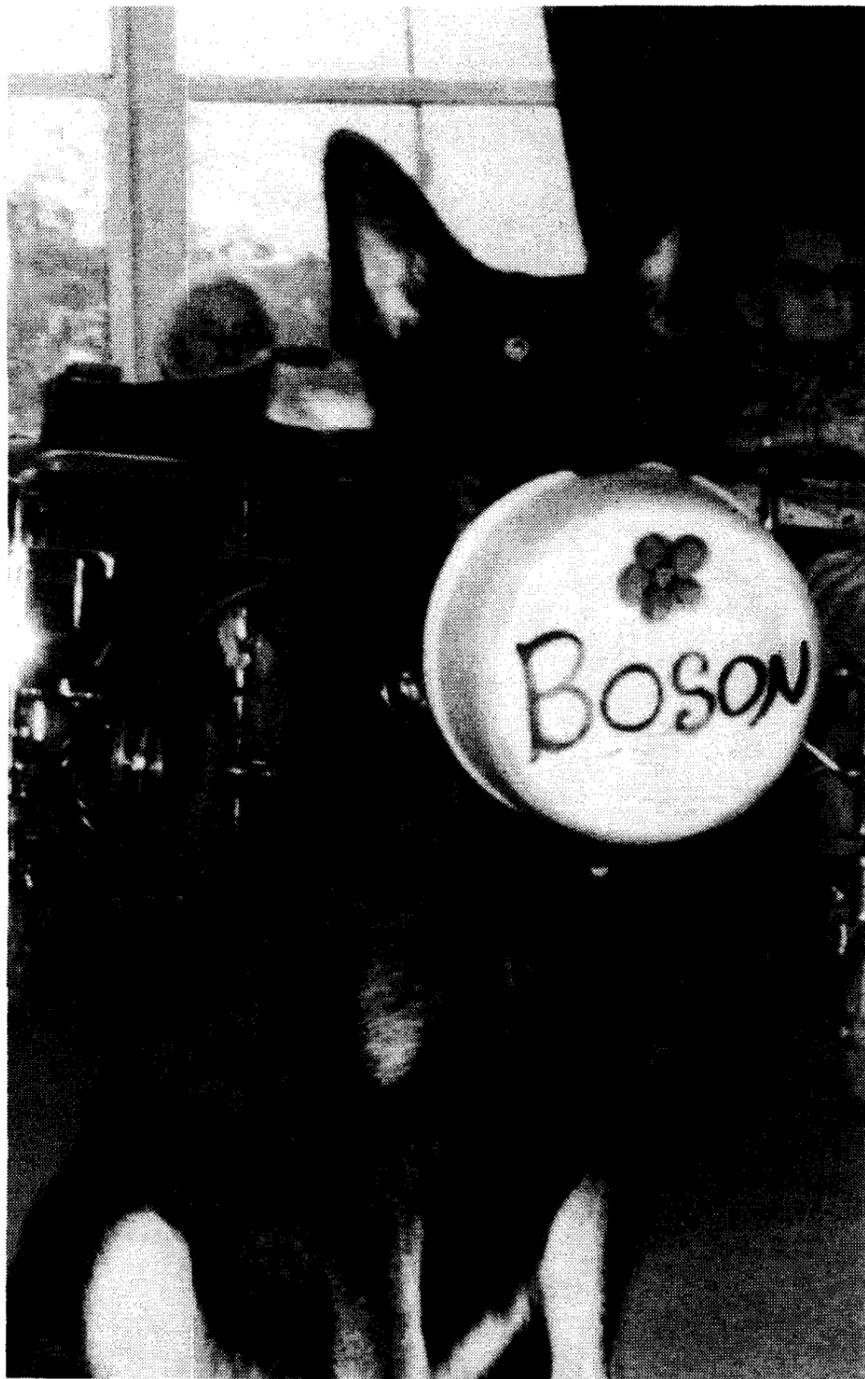
Many people think of police dogs when they see a German shepherd, Davis said. But shepherds are really very friendly dogs, she explained. "I like to think of Boson as a goodwill ambassador for the breed."

Davis is a charter member of the German Shepherd Dog Club of Northern Alabama and has served as the club newsletter editor, treasurer and vice president. She is also a member of the Huntsville Obedience Training Club and has served in several of its positions.

Davis' love for dogs and her concern for their welfare is demonstrated by her service to the community. She has conducted several basic health care classes and tracking and obedience demonstrations for school children and Girl Scouts. She is also a member of the Alabama Wildlife Rescue Service and helps operate its hotline.



GOOD DOG — Davis praises Boson for completing her tracking course.



CHOW TIME — Boson picks up her food dish as if to ask for lunch.



PLAY TIME — Boson plays on a slide at a playground on the arsenal.

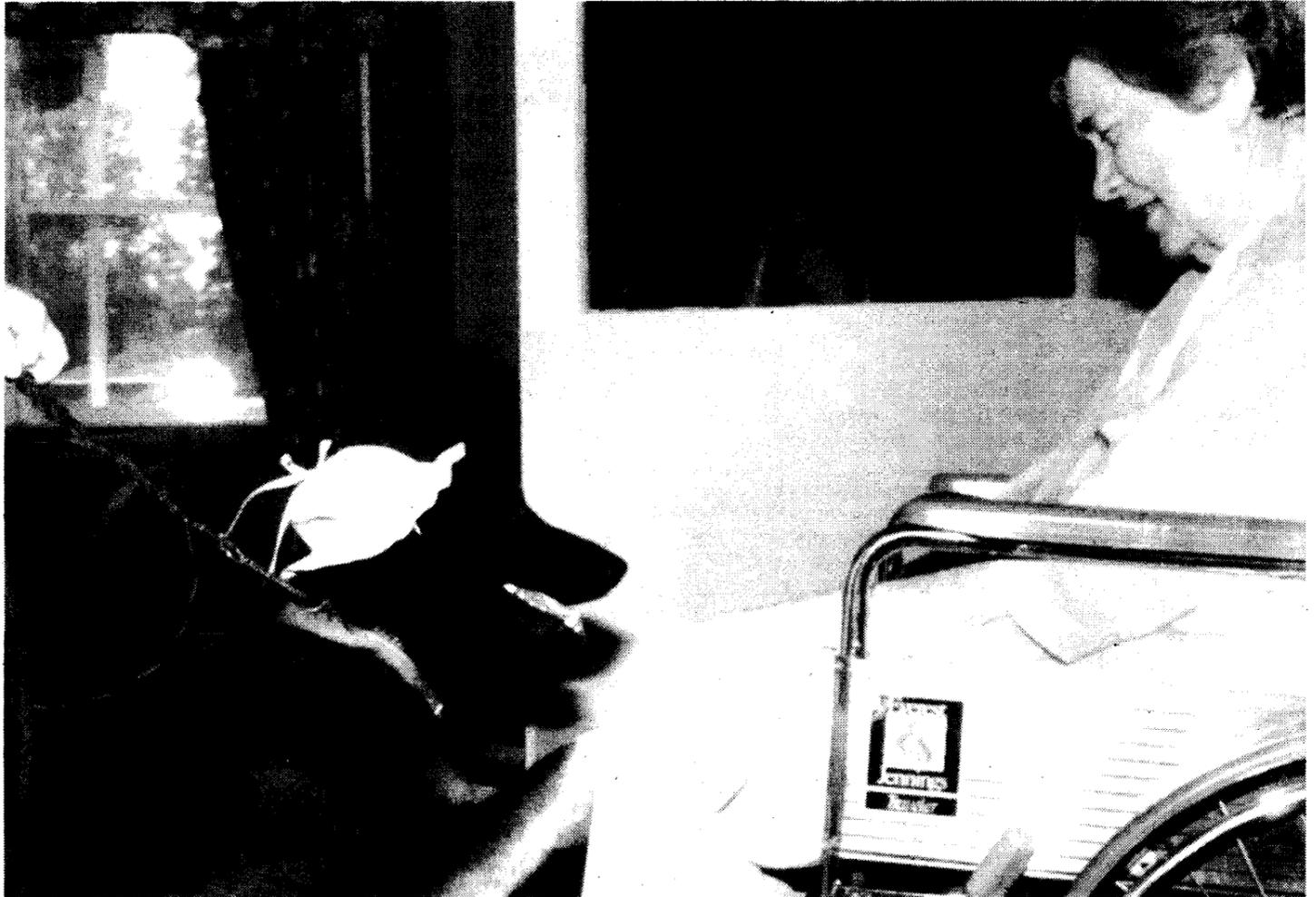


I'M FRIENDLY — Boson offers her pound puppy to Mary Smith, while nursing home patients (from left, Eva Estes and Sudie Roberson) look on.

earn AKC Training Dog Excellence Title



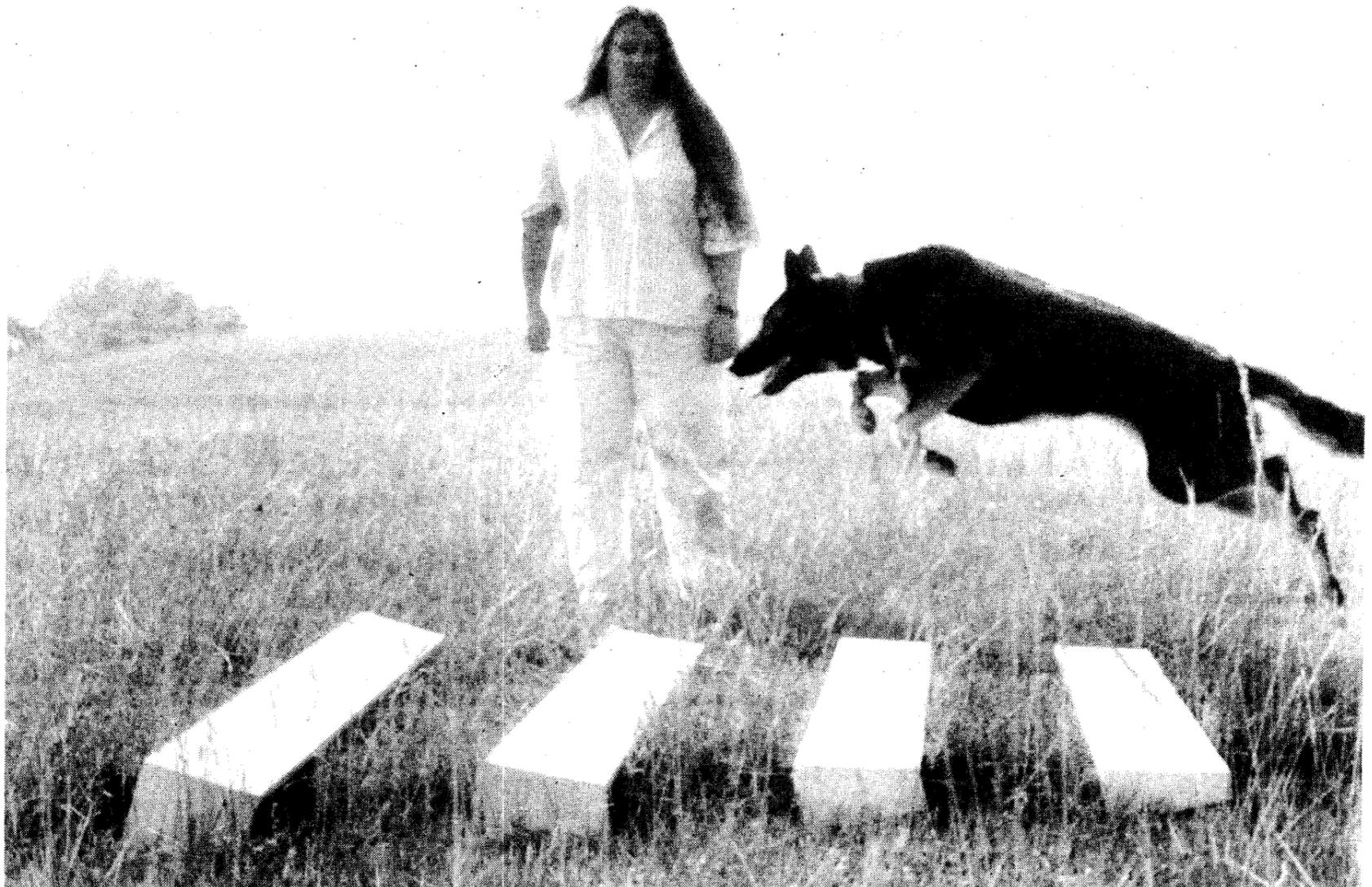
successfully.



PAWS AWHILE — Boson offers her paw to Helen Crump, a patient at a local nursing home.



(left to right)



BROAD JUMP — Boson jumps the 6-foot broad jump, an event in the Companion Dog Excellence competition.

Electromagnetic interference can affect helicopters

WASHINGTON — The Army's latest test results show that intense levels of electromagnetic interference can affect the controls of the UH-60 (Black Hawk) helicopter.

That finding, announced May 27 by Army aviation officials at the Pentagon, is based on a recent test flight at a field site in Europe. It showed that an extremely high EMI environment could affect the flight controls of the Black Hawk.

The loss of control cited in the test report results from uncommanded yaw pedal movements that could make the helicopter begin to turn, accompanied by stiffness in the pedal controls and illumination of caution/advisory lights.

The most recent tests were conducted after a report of an incident involving exposure of a Black Hawk to extraordinarily high levels of electromagnetic interference during flight close to a massive antenna farm.

Besides the involuntary illumination of the cockpit's caution/advisory lights, as reported by the pilot in the incident, the test pilots experienced the effects in the pedal controls. Officials explain that the latest tests were conducted to collect data and correlate the findings with those from previous laboratory test results and field experience.

Massive EMI exposure, such as that experienced in these tests, is found very near to only a few high-intensity antenna ground locations in the world, and to certain large Navy ships. The tests have confirmed that published stand-off distances from all antennas are adequate to ensure safe operations.

Based on the test results, the Army is proceeding with its modifications of the Black Hawk to reduce EMI effects. The Army is currently working with Navy and private industry, as well as with the helicopter's manufacturer, Sikorsky Aircraft, to apply state-of-the-art technology to increase EMI protection. Until the fleet of helicopters can be modified, the Army will continue to take safety measures, such as maintaining stand-off distances for flight near certain very high-intensity radio transmitters.

Since its introduction in 1979, the Black Hawk with its more than 650,000 flight hours worldwide has never experienced an accident or injury because of electromagnetic interference. Safety of soldiers remains paramount to the Army, officials stress. The Army has never had safety-of-flight hazard EMI anomalies occur on a mission flight, and the Army will continue to pursue EMI research, as it has in the past. The safety-of-flight hazards found to date have all been either under controlled research conditions or during experimental test flights. Aircraft operations within the limitations imposed by the aircraft design and published stand-off flight restrictions will continue to satisfy safety-of-flight concerns in the face of EMI emissions, officials say.

This latest announcement happens to dovetail with field distribution of the June 1988 issue of "Soldiers"

magazine, containing an EMI article. Because printing of the magazine occurred before the announcement's

release, the article no longer contains current information, said Army spokesman Maj. Phil Soucy. (Arnews)

Soldiers can stay affiliated with units

WASHINGTON — Question: What feature of modern Army life traces its roots in post-colonial times, offers soldiers the chance for career-life affiliation with appropriate units, develops loyalty and commitment, enriches unit esprit, and fosters an extended sense of belonging?

If you guessed, "the Regimental System," you probably know, as well, that the system affords soldiers the chance for long-term identification, the potential for recurring assignments, and the means for perpetuating regimental history, customs and traditions.

Now that the system has been in place for several years, it is expected to be fully implemented by the end of fiscal year 1989, said Lt. Col. James T. Dowdy, who monitors the system from his office at the Total Army Personnel Center in Alexandria, Va. At that time, the remaining 30 out of a total of 197 regiments will have realized Army plans to extend the regimental concept to the entire active component. Right now, Dowdy said, more than 600,000 soldiers have affiliated themselves with the appropriate regiment or corps.

Besides those formally established affiliations, the concept has another approach to developing an endur-

ing pride that will form a common and continuous bond between active and retired soldiers. This approach consists of filling the positions of honorary colonel, honorary sergeant major and distinguished member of the regiment.

Citing an example in Florida, Dowdy said, "These positions have proved to be the vital link in perpetuating regimental pride, history and traditions — and have caused today's soldiers to incur an obligation to former regimental soldiers."

The case in Atlantic Beach, Fla., involves the Army's recent recognition of H. Fletcher Martin as a distinguished member of the 47th Infantry.

Now a retired lawyer, Martin had earned the Distinguished Service Cross for bravery during his World War I service with the 47th Infantry. His war wounds eventually led to his retirement from the service, but he has maintained an avid interest in military life. He went on to become the first chief of the Veterans Administration for the state of Florida. One of his sons, Stephen G. Martin of Ponte Vedra, Fla., is a retired Army colonel.

The senior Martin's old regiment, the 47th Infantry, now is stationed at Fort Lewis, Wash. (Arnews)

Tree-planting event honors ratification

WASHINGTON — An Army-sponsored tree-planting ceremony took place near the Pentagon's mall entrance June 21 to commemorate New Hampshire's ratification of the U.S. Constitution.

In his remarks dedicating a small white oak to the memory of early Americans' independence, strength, triumph and virtue, Secretary of the Army John O. Marsh Jr. said that the occasion recalls "a great moment in American history."

He and other dignitaries, accompanied by The Old Guard fife-and-drum corps, gathered at the tree site, where they placed soil from the Yorktown, Va., Revolutionary War battlefield, Independence Hall Historical Park in Philadelphia and the grounds of the New Hampshire Statehouse.

It was in the latter state 200 years ago that delegates to the New Hampshire state constitutional convention had voted to ratify the U.S. Constitution. Their vote enabled New Hampshire to become the ninth state of the original 13, thereby achieving the majority required to enact the Constitution into law.

Marsh pointed out that 23 of the 40 signers of the Constitution had served in the Revolutionary War — in either the militia or the Continental Army. These

soldier-statesmen, to include John Langdon and Nicholas Gilman of New Hampshire, not only served in the war and as delegates to the constitutional convention; they were also tireless champions of liberty. Their patriotism extended to devoting considerable political skill and energy to achieve ratification in their respective states.

Marsh added that "By our symbolic act today, the accomplishments of these patriots will not be forgotten by those of us who enjoy the fruits of their labors."

For his part at the observance, Dr. Ronald Trowbridge praised the Army's leading federal-agency role in commemorating bicentennial events. Trowbridge directs the federal and international programs of the Commission on the Bicentennial of the U.S. Constitution.

Among honored guests were Army Chief of Staff Gen. Carl E. Vuono and Assistant Secretary of Defense for Force Management and Personnel Grant S. Green Jr. On behalf of the Defense Department, Green echoed Marsh's commitment to support and defend the Constitution. (Arnews)

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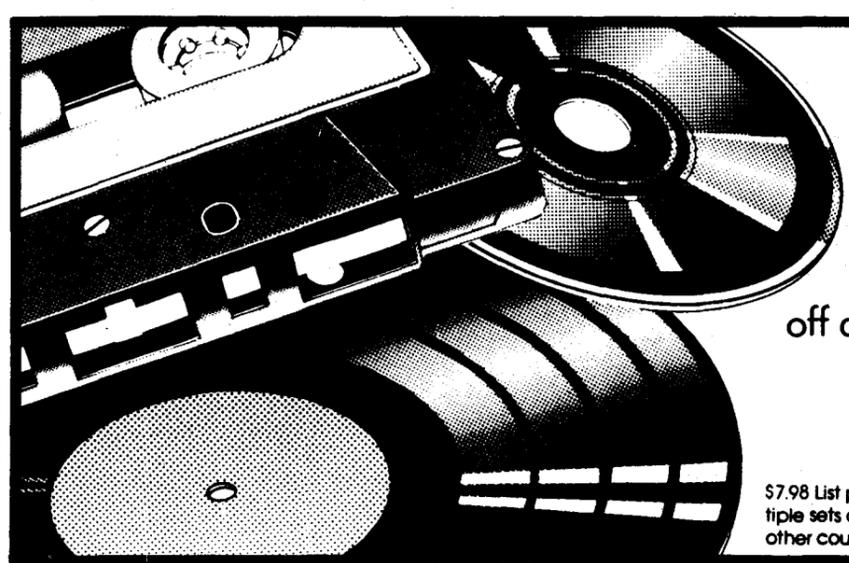
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Old basketball injury delayed but didn't end Army career

BY SKIP VAUGHN

An injured back may have cut short a high school basketball career but it didn't stop Will Rayam from eventually joining the Army.

Rayam worked for about a year after graduating from high school in 1984. "When I finished high school, my back was still injured. I was going to join the Army then but I didn't want to take that chance of re-injuring myself," he recalls.

Finally one day, he tried playing basketball and found the back didn't bother him any more. That revelation, plus dissatisfaction with how he was progressing in his job, led to his joining the Army in October 1985.

"I wanted to do something that would benefit me later in life," says Spec. Rayam, who was selected as Post Soldier of the Month for June.

Rayam, a member of 515th Ordnance Company, is a material control and accounting specialist in the company's tech supply office. His specialty is ordering and issuing supplies. He says he chose the supply field because it was the closest he could come to accounting. Rayam plans to major in accounting when he starts college, probably this winter at the Calhoun Community College extension on post.

The 22-year-old Florida native would thus become the first in his family to attend college. He is the fourth oldest of seven children of Samuel and Viola Rayam of

Ocala, Fla. His father is a self-employed, heavy equipment operator. His parents stress the importance of education, he says. They tell him, "The further you go in your education, the further you go in life."

As a high school senior, Rayam was selected as "student of the year" from about 30 students participating in a work program. He played basketball for three years until injuring his back as a senior in 1983. "It's alright now," says Rayam, who plays on 515th's basketball team. Besides basketball he likes playing pool and ping-pong, fast cars, and reading.

Basic training at Fort Leonard Wood, Mo., and advanced individual training at Fort Lee, Va., were followed by assignment to Redstone in March 1986. He plans to pursue a bachelor's degree in accounting and hopes to become a sergeant major by 20 years of service.

"I think the Army is not for everyone," Rayam says. "It has some advantages and it has some disadvantages." Advantages he lists include a steady paycheck, medical insurance, dental plan, and services such as Army Community Service and Army Emergency Relief.

"Whenever you want to go out there and try to accomplish something," he says, "you have to apply yourself and put forth extra effort, and you should be able to accomplish what you want to do."



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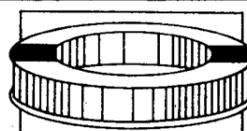
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Medical regiment honors ex-POW's

WASHINGTON — More than two dozen former prisoners of war will be honored July 25 at Fort Sam Houston, Texas, during the second anniversary celebration of the Army Medical Department Regiment.

Those honored guests will be among the first in the nation to receive the recently authorized Prisoner of War Medal.

Among those expected to attend are several women

who were known as the "Angels of Bataan," captured by the Japanese during the battles of Corregidor and Bataan in the Philippines. The nurses had cared for the sick and wounded both during and after the fighting. "These former POW's served as Army medics, nurses or doctors in World War II, Korea or Vietnam, and will be coming to Fort Sam Houston from around the country," said Maj. Bill Bester, regiment adjutant. "The response has been great, more than I expected." (Arnews)

Army uniform coats in limited supply

WASHINGTON — Soldiers looking to replace their AG 344 dress coats may find them out-of-stock at their local military clothing sales stores over the next several months, according to officials in the Army's office of the deputy chief of staff for logistics.

All available stocks of the coats are being directed to basic training reception stations for issue to recruits.

The primary reason for the redirection is that 80 percent of the companies which manufacture the coats have been barred from doing business with the government since a wide-ranging federal criminal investigation. The remaining contractors are working to meet the demand.

The Army has for some time been working to amend its uniform specifications, to allow more companies a chance to compete in the procurement process. New

contracts will be awarded based upon manufacturers' responses.

In addition to the redirection, the Army is taking the following steps to ensure that basic trainees receive the AG 344 coat before they leave their BT stations:

- The government's uniform factory in Philadelphia is producing critical-sized coats.

- Present commercial manufacturers have been instructed to ship the coats directly to BT sites.

- Army and Exchange Service and National Guard assets have been frozen for possible future use.

These steps have so far ensured that no trainee has left basic training without an AG 344 coat. If shortages do occur, soldiers will be able to obtain their AG 344 coat free of charge from Army Military Clothing Sales Stores when assets are available. (Arnews)

Some commissaries to offer condoms

FORT LEE, Va. — As a preventive measure against Acquired Immune Deficiency Syndrome (AIDS) and other sexually transmitted diseases, condoms have been approved for stockage on a test basis in 20 Army commissaries.

Commissaries in Europe, Korea and eight stateside locations were selected for the test. They include: Feurth and Weisbaden, Germany; Cameron Station, Va., Fort Drum, N.Y., Fort Knox, Ky., Fort Jackson,

S.C., Fort Hood, Texas, Fort Sam Houston, Texas, Fort Lewis, Wash. and the Presidio of San Francisco; Yongsan, Camp Casey, Camp Edwards, Camp Stanley, Camp Page, Camp Humphreys, Camp Carroll, Hannam Village, Taegu and Pusan, Korea.

The test will begin when the product is available for customer purchase and ends Oct. 31 in stateside stores and Feb. 28, 1989 in overseas commissaries. (Arnews)

RADS on roll in softball

RADS is one of the hottest teams in the Civilian Welfare Fund softball league.

Since the Missile Command annual picnic, June 18— where RADS won the men's softball division—the team has won three and lost one in the second half of league play.

The team beat Patriot, MLC Lasers and Chieftains and lost to the MSIC-1 squad. Led by the pitching of Dean Reese and the hitting of everybody, RADS outscored the Chieftains 21-18. The teams were tied 16-16 after six innings before RADS won it in the seventh. On the other hand, MSIC-1 slipped past RADS 7-6 by scoring one run in the seventh inning.

Team leaders, named all-tournament at the picnic, include Jerry Arszman, Jim Knaur, Jay Loomis and Buddy Wilkinson.

Rogers elected to USO position

WASHINGTON — Gen. Bernard W. Rogers, U.S. Army (retired) was recently elected chairman of the USO World Board of Governors at the board's annual meeting in Williamsburg, Va.

Rogers succeeds Dennis P. Long, president and chief executive officer of D.P Long & Associates.

In his last military position, Rogers served as commander-in-chief, U.S. European Command and supreme commander, Allied Powers Europe, from 1979 to 1987. "USO looks forward to General Rogers' leadership and experience," said World USO President Charles T. Hagel. "His personal involvement and commitment to this organization will add greatly to the USO's future." (Arnews)

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Drinking alcohol while pregnant can cause birth defects

Most people would be shocked at the idea of giving a young baby a cold beer or a shot of whiskey.

It's an unfortunate fact, though, that many mothers-to-be unknowingly do exactly that when they drink during their pregnancy.

In fact, one of the better things a mother can do to ensure having a healthy baby is to avoid alcohol completely during pregnancy.

Physical and mental birth defects may result from drinking during pregnancy — and are known as fetal alcohol syndrome. "Although most people are aware that drinking during pregnancy is harmful, they do not know how serious a danger it can be. That, of course, applies across the board — to military members and their spouses as well as civilians," said Army Lt. Col. Antionette Hagey, senior program specialist for health promotion in the Office of the Assistant Secretary of Defense for Health Affairs.

According to the National Council on Alcoholism, at least 5,000 babies each year suffer from the syndrome, the leading cause of babies being born with mental retardation. Other signs of the syndrome are growth deficiencies, malformed organs and facial abnormalities. As many as 50,000 children may suffer a milder form of alcohol-related birth defects known as fetal alcohol effects — that is, they have some, but not all, of the symptoms of full-blown fetal alcohol syndrome.

In 1981, the U.S. surgeon general recommended

that women who are pregnant or are considering pregnancy abstain from alcohol and be aware of the alcohol content in foods, beverages and medications. But health officials believe the public is not sufficiently aware of the effects of alcohol on their children's health. Therefore, the National Council on Alcoholism, a non-profit organization, is conducting a public awareness campaign together with other private and government health organizations.

Here are some facts provided by the council:

- There is no established safe dose of alcohol during pregnancy; nor does there appear to be a safe time to drink.

- Well-designed studies have linked an average of one to two drinks daily to decreased birth weight, growth abnormalities and behavioral problems in the newborn or infant.

- Although most of the public is aware drinking during pregnancy may damage the unborn child, one study found that one-third of the women interviewed believed that an average daily consumption of no more than three drinks was safe during pregnancy.

- One in six women in the peak child-bearing years of 18-34 may drink enough, either chronically or on occasion, to present a hazard to an unborn infant.

- Regular drinking is common among high school girls, and a sizable number engage in heavy drinking. Current studies show that teenagers are remarkably uninformed about the relationship between drinking

during pregnancy and the high risk of bearing children with fetal alcohol syndrome or effects.

- Women's drinking problems may be more frequently misdiagnosed than men's. Most treatment programs do not provide child care, and women may not seek or continue treatment because of the difficulty of finding acceptable child-care arrangements.

- There is some good news. Whenever drinking is stopped during pregnancy, the chances of fetal alcohol effects decrease.

This alone should make mothers-to-be think twice before pouring that after-dinner drink. After all, the health and welfare of an unborn infant might be at stake.

Reserve

(Cont'd from page 6)

perform a mission for our country is a day imposing on the needs of their employer. Those pressures at some point may become so great that we might start to lose reservists because they have two full-time jobs.

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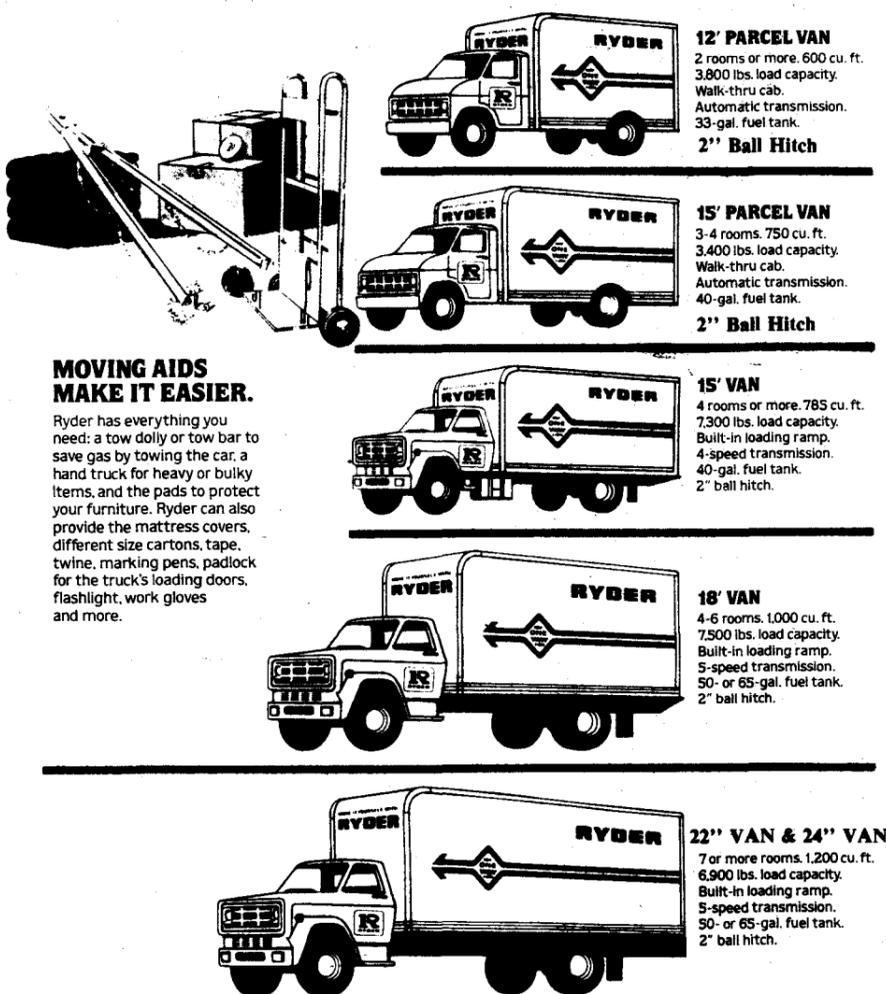
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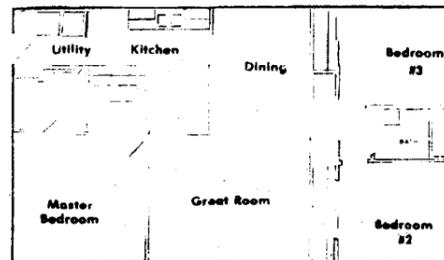
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SOFTBALL TROPHY — Ron Hall (second from left), president of the Civilian Welfare Fund Softball League, presents trophy to members of the Stallions for winning the championship for the first half of the season. From left are third baseman Tony Hornbuckle, Hall, pitcher-coach Jim Chiarizio and outfielder Gordon Jones.

West Point professor awarded fellowship

WEST POINT, N.Y. — President Reagan has announced that Maj. John E. Shephard, an assistant professor at the U.S. Military Academy, has been awarded a White House Fellowship.

Shephard graduated from the Academy in 1977 and received a master's degree in political science from the Massachusetts Institute of Technology in 1985. He has served as an instructor and assistant professor of social sciences at West Point since that time.

As a White House Fellow, Shephard will serve a one-year assignment as a special assistant to the Vice President, to the members of the Cabinet or to the President's principal staff. He will also participate in an education program which will include meetings with government officials, scholars, diplomats, journalists and leaders of business and industry.

At West Point, Shephard has directed the Student Conference on United States Affairs, and he participates in the Officer Sponsor Program. His articles on civil-military relations have been published in professional journals and on the editorial pages of the Wall Street Journal and the Washington Post.

The White House Fellowships were established in 1964 to provide outstanding Americans with firsthand experience in the process of governing the nation and with a sense of personal involvement in the leadership of society. (Arnews)

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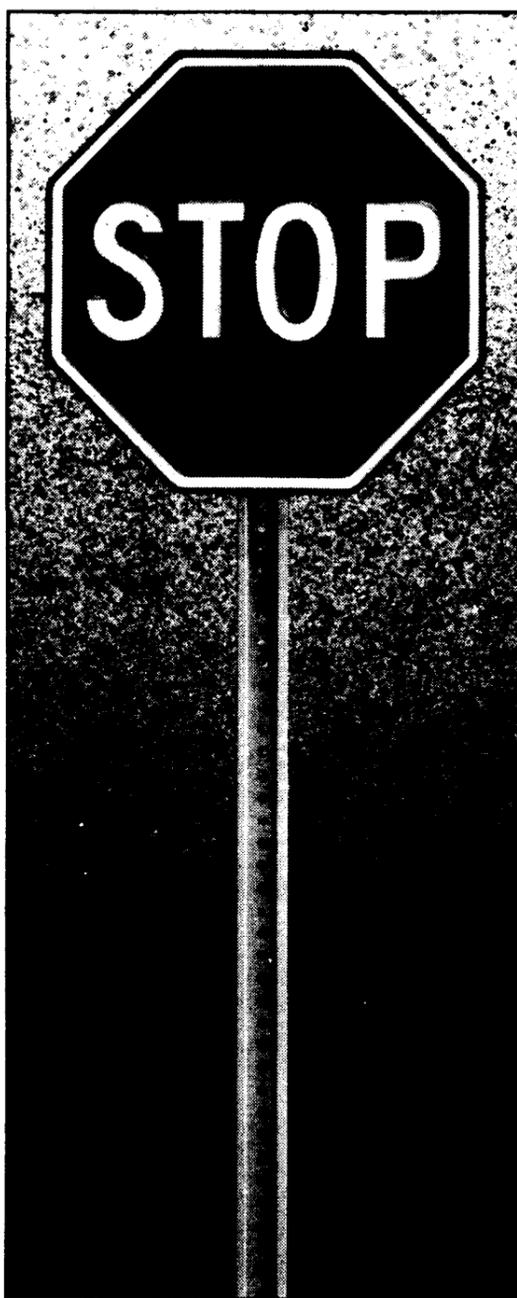
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Those leaving service can enroll in insurance plan

BY EVELYN D. HARRIS
American Forces Press Service

The Department of Defense has arranged for a relatively low-cost insurance policy for people who are losing eligibility for military medical benefits. Called the Uniformed Services Voluntary Insurance Plan, it is offered by the Mutual of Omaha Insurance Co.

U.S. VIP will be available to separating service members, their families and former spouses of active duty or retired members who had been married at least one year. Children of active duty and retired members who are losing coverage because of age are eligible for the insurance until 90 days after their 21st birthday or 90 days after their 23rd birthday if they are full-time students.

In addition, it will cover dependent grandchildren under the age of 19 who live with active duty or retired military people. Also eligible are minor wards and "pre-adoptive" children as long as they're not covered by governmental health care programs.

The plan responded to a congressional request to provide eligibility losers with comprehensive care equal to CHAMPUS. The plan matched to CHAMPUS with two exceptions — there is a one-year waiting period before pre-existing conditions are covered, and maternity benefits are limited.

A pre-existing condition is one which made itself

known or was medically treated within the year prior to enrolling in U.S. VIP. Military members who separated because of health conditions that existed before they joined the military are not eligible for the insurance.

By design, the plan will cost less than similar non-group commercial policies. For example, a 35-year-old male smoker leaving the military would pay \$73.50 a month for this policy. He would pay \$104 month for a similar commercial policy that would exclude pre-existing medical conditions. Non-smokers get a 10 percent discount.

With few exceptions, the plan pays 80 percent of covered costs, with an annual deductible of \$250 for each covered person. There is a catastrophic-cap provision — after a subscriber has paid \$2,500 of covered expenses, the plan begins 100 percent coverage until the lifetime maximum benefit of \$1 million is reached.

The U.S. government does not contribute to the policy's costs. However, the services have agreed to help publicize the plan, help individuals determine and prove eligibility, and enroll separating members — who will be informed about U.S. VIP as part of separation counseling.

Others interested in the plan can get more details from personnel offices, family service centers, legal assistance officers and chaplains.

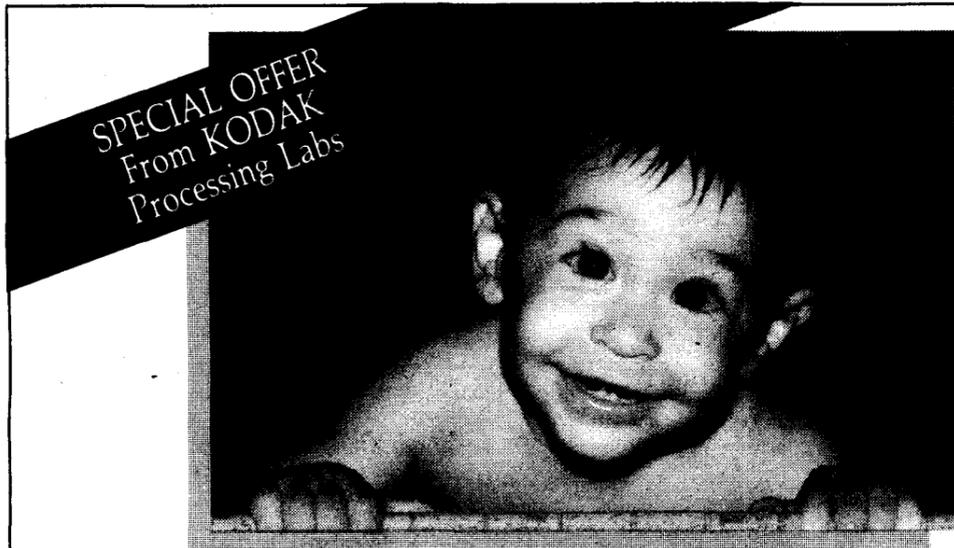
Persons interested in the plan must act quickly. There is a limited enrollment period — 30 days after the date of separation for members and families leaving active duty and 90 days after qualifying for all others.

Troop softball

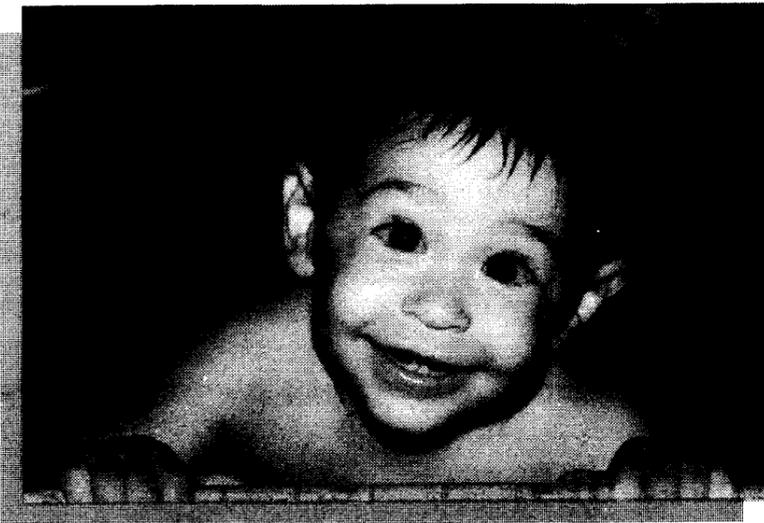
Here are the troop softball standings as of June 28:

Eastern Conference		
	Won	Lost
A Company 73rd-1	9	2
B Company 73rd	11	3
Meddac	8	4
HHC-1	8	4
D Company 832nd	5	7
D Company 73rd	4	8
95th	4	8
C Company 832nd	1	12

Western Conference		
	Won	Lost
515th	10	2
Marines	11	3
A Company 73rd-2	7	3
C Company 73rd	5	7
B Company 832nd	4	7
291st MPs	2	9
HHC-2	1	11



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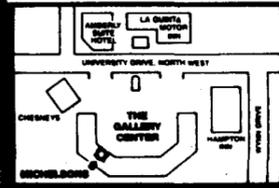
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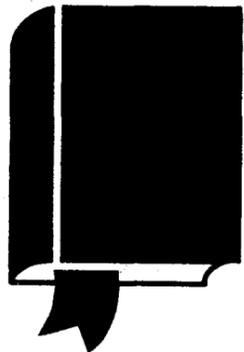
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Announcements



Learning center

Army Learning Center offers the following in-house, videotaped courses: *Discipline Without Permission, Feedback: Giving Constructive Criticism, Problem Solving...A Process for Managers, and People at Work...A Right to Refuse*. These are videotaped courses dealing with interaction within the work environment. To enroll in these courses, send a DD form 1556 to AMSMI-PT-CP-TC/ALC building 7446.

Hospital clinic

Effective July 18, the Immunization and Allergy Clinic will be open on Mondays and Thursdays only, during the hours of 7:30-11:30 a.m. and 12:30-3:15 p.m. According to Fox Army Community Hospital, the change in the clinic's hours of operation is necessary "to maximize available resources and continue to provide quality care for our patients."

Lunch and learn

Federal Women's Program invites workers to bring their own lunch and hear Capt. Karen Marshall speak Thursday, July 14 from 11 a.m. to noon at the Post Theater. Marshall, from the Missile and Space Intelligence Center, is to address the importance of the working relationship between the military and civilian personnel. For more information, call Mary Kerg 895-4486 or Cathy Gant 876-3436.

AFGE Meeting

The monthly membership meeting of AFGE Local 1858 will be held Monday, July 11, at 5:30 p.m. in the Bldg. 5250 auditorium (A-115). One of the subjects for discussion is a four-day work week. Members and non-members are invited.



Movie schedule

Here's the Post Theater schedule (starting times are 7 p.m.). Saturday, July 9—*Rambo III*, rated (R), 104 minutes. Sunday, July 10—*Rambo III*. Tuesday, July 12—*School Daze*, (R), 114 minutes. Thursday, July 14—*Critters 2*, (PG-13), 87 minutes. Friday, July 15—*Critters 2*.

Volleyball league

A meeting to start forming a volleyball league at Redstone Arsenal will be held at 1 p.m. July 12 in the building 5687 conference room. This meeting is to elect a president and establish bylaws. For more information, call Marilyn Boster 876-5573.

Softball tournament

The Redstone Rockets female softball team will host a class B and C female softball tournament on July 8 and 9. Entry fee is \$65 per team. Today (July 6) is the cutoff date for signing up. Checks should be made payable to IMWRF. Interested teams should contact Irv Lyles 876-2943 or SSgt. Roy Brown 876-8503.



Best yards

Here are the Yard of the Month winners for June: best single unit, Col. William J. Schumacher, 495 Cooke Drive and SSgt. Gale D. Gregory, 1318-B Jupiter St.; best multi-unit, Maj. Frank D. Taylor, 477-A Tripp Drive and Sgt. Michael T. Walker, 209-F Dyer Circle. Winners receive a certificate of appreciation, a color photograph of the ceremony, a \$10 gift certificate from the Post Exchange, and display of the Yard of the Month sign for a month. Honorable mention went to Capt. Phillip W. Swinney, 429 Skinner Drive with a special honorable mention going to six families who live adjacent to each other: Sgt. Kevin Duncan, 1226-A Nike St.; Sgt. Mark Croteau, 1226-B Nike St.; SSgt. Kenneth Todd Jr., 1228-A Nike St.; SFC Wayne H. Galloway, 1228-B Nike St.; SSgt. Charles Vaughn, 1230-A Nike St.; and Sgt. Ronald O. Coleman, 1230-B Nike St. The unit award-winner was A Company, 73rd Ordnance Battalion with honorable mention going to C Company, 73rd Ordnance Battalion. The winning unit receives a certificate of appreciation, a color photograph of the ceremony, display of the unit Yard of the Month sign for a month in their area, and a \$200 check from the Directorate of Community & Family Activities.

Motorcycle safety

A motorcycle safety training program has been established at Redstone Arsenal. All motorcycle owners operating motorcycles on post must possess a card verifying they have completed the Motorcycle Safety Foundation "Better Biking Program." The next class will be held from 8 a.m. to 2:30 p.m. Saturday, July 9 in building 3222 on Snooper Road. To reserve a space, civilians must prepay \$14. Cost of training for military personnel is paid through the military training program. Register by close of business Thursday for Saturday's course. Call Reita Perry 876-9763.

Family housing

Service members who are currently residing in government quarters and wish to purchase homes off post must submit a written request through their commanders, to the Housing Management Division before entering into an agreement off post. Failure to obtain the appropriate approval to vacate government quarters through the Housing Management Division before buying will result in continued forfeiture of service member's BAQ. When there is a waiting period to move off post, a suspense roster will be maintained. *Commanders are reminded* that when a permanent party service member in-processes as a single soldier and then marries, he or she must in-process again through family housing. Redstone Arsenal has a mandatory assignment policy to family quarters when the waiting time is less than 30 days. The married service member must also be reminded not to enter into a lease off post before in-processing with family housing.

Materiel careerists

The MICOM Automated Career Appraisal and Referral System (MACARS) will be used to fill GS-11 and GS-12 vacancies in the Materiel Maintenance Management career program (CP 17). Two briefings/training sessions will be held July 12, at 8 a.m. and 1 p.m., in room A-115 of building 5250. GS-9 and GS-11 members of that career program should attend to get instructions on completing a MACARS package and to receive the package and forms required for registration. For more information call Vickie Gist, activity career program assistant, 876-4580.

Toastmasters

Tennessee Valley Toastmasters Club meets every first and third Thursday from 6:30-8:30 p.m. at Shoney's Restaurant at Drake and South Parkway. Visitors are welcome. For more information, call Jimmy Harbin 859-3968 or 876-4480.

Summer school rides

Army Community Service is willing to assist any parent who wishes to join a carpool for children needing summer school classes. Interested parents should call Sue Paddock 876-9289/0446.

Garage/yard sale

Redstone residents can have garage/yard sales from 7 a.m. to 5 p.m. July 9-10. "Get rid of those unwanted antiques and artifacts that you have been moving all of these years. Just remember to police your area and keep Redstone Arsenal clean, green and pretty," says a RASA release.



Call 876-1500 to place your free carpool ad

Scottsboro

Carpool member wanted from Scottsboro to 5250/4485 or vicinity, hours 7-3:30. Jerry 876-7205.



Chapel events

The *Ecumenical Prayer Breakfast* meets at 6:30 a.m. Wednesday at Post Chapel. The *Officers Christian Fellowship/Christian Military Fellowship* meets on Wednesday, Thursday and Monday in homes; for time and location information, call 837-1744/5153. *Protestant Women of the Chapel Bible Study* meets at 9:30 a.m. Wednesday at Bicentennial Chapel. *Protestant Youth of the Chapel* meets at 6:30 p.m. Wednesday at pool 3 (old officers club). *Post Chapel Choir* rehearses at 6:30 p.m. Wednesday at Post Chapel. *Spanish Catholic Bible Study* meets at 7 p.m. Thursday at Bicentennial Chapel. *Catholic Youth of the Chapel* meets at 6:30 p.m. Sunday at Bicentennial Chapel. The *Prayer and Praise Fellowship* meets at 6:30 p.m. Sunday at Bicentennial Chapel.



Women's support group

The Women's Support Group for Victims of Domestic Violence meets each Monday at 7 p.m. Call 539-1000 for location. Child care is available.

Blood program winners

Here are the winners of the Red Cross blood drive for May: 1-50 category— Ammunition Surveillance, RASA, coordinator Roger Wahler; 51-100, Chaparral/FAAR Project, coordinator Ruth Burton; 101-200, Multiple Launch Rocket System, coordinator Tonya Simmons; 201-400, Missile & Space Intelligence, coordinator Bertiera Humphrey; and 401-over, Procurement Directorate, coordinator Mallory Murray.

Carpool Hotline

classifieds

Federal law makes it illegal to advertise any preference, limitation or discrimination in housing based on race, color, religion, or national origin. The REDSTONE ROCKET will not knowingly accept advertising that is in violation of the law, and readers and advertisers are hereby informed that all dwellings advertised in this newspaper are available on an equal opportunity basis.

According to the Inspector General, the use of office phone numbers in classified advertising is contrary to regulation. Please submit home numbers only.

FOR SALE: Barrentine boat trailer, \$150. Call 881-4244.

FREE LIST
Of Businesses
For Sale Both Local
& Nationwide



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882-2223

PUBLIC NOTICE ABOUT LEAD IN DRINKING WATER

The Redstone Arsenal (RSA) Public Water System is making this notice to inform its customers about potential lead contamination which may occur in plumbing. Part of the purpose of this notice is to inform you of the potential adverse health effects of lead. The information below is being provided to you to fulfill the Alabama Department of Environmental Management's (ADEM's) requirements to ensure all Alabama citizens are aware of the dangers of lead contamination in public drinking water systems. This notice is being made even though RSA's drinking water is well within the present Environmental Protection Agency (EPA) standard for lead.

The EPA sets drinking water standards and has determined that lead is a health concern at certain levels of exposure. There is currently a standard of 0.05 parts per million (ppm) which has been adopted by ADEM. Based on new health information, EPA is likely to lower this standard.

EPA and others are concerned about lead in drinking water. Too much lead in the human body can cause serious damage to the brain, kidneys, nervous system, and red blood cells. The greatest risk even with short-term exposure is to young children and pregnant women. Although some lead may be obtained from drinking water, the majority of the lead you are exposed to comes from air and from food. Lead levels in your drinking water are likely to be highest:

- if your home or water system has lead pipes, or;
- if your home has copper pipes with lead solder, and:
 - if the home is less than five years old, or;
 - if you have soft or acidic water, or
 - if water sits in the pipes for several hours.

Although the drinking water furnished by the RSA system meets ADEM standards for lead, contamination by water reacting with lead piping or lead solder in copper plumbing may occur. Fortunately RSA has an ongoing building maintenance program which minimizes safety and health problems in post housing and other Army facilities. Lead pipes are soft, malleable, and shine when scratched with sharp metal. The RSA water system does not have any known lead piping. If your home plumbing system contains copper pipe, there is a strong probability that lead solder was used in connecting these fittings. Testing of the water is the only way to be sure of the amount of lead which might be in your water and this is especially important to apartment dwellers because flushing may not be effective in multi-family buildings. Lead has not been detected in the RSA drinking water system and we are very confident that we are well below the acceptable standard of 0.05 ppm.

Even with lead solder in copper plumbing or lead plumbing, there are measures you may take to avoid consuming water containing increased amounts of lead:

1. Use only the cold water tap for food preparations especially baby formula.
2. Ensure that future plumbing installation or repair is performed using lead-free solder.
3. Instead of using water for drinking or for cooking that has been in plumbing overnight, use the water for other activities such as washing dishes or taking a shower.
4. Hot water dissolves lead at a more rapid rate than cold water. Therefore, hot water should not be consumed or used for cooking.

This notice meets the requirements established by EPA under Section 1417 of the Safe Drinking Water Act. Additional information is available in an information paper which may be obtained free of charge from Preventive Service, U.S. Army Medical Department Activity, RSA. Point of Contact for additional information about lead in drinking water is CPT Richard Roche, Environmental Science Officer, at 876-8857.

HOME FOR SALE BY OWNER: 3 bedrooms, 1 1/2 baths, ceiling fans, mini-blinds, swimming pool, storage building, privacy fence, new paint inside and out, and much more. Convenient to Redstone Arsenal, assumable 9 percent VA loan at \$450 a month, \$62,500. Call 883-1813.

3 QUESTIONS YOU SHOULD ASK BEFORE YOU GET YOUR OVERSEAS AUTO INSURANCE.

Q. If I have a claim overseas, where will I go to take care of it?
Q. How do I get my car registered overseas?
Q. Will the policy satisfy the finance company, bank or credit union where my car is financed?

ONE EASY ANSWER FOR 3 IMPORTANT QUESTIONS

Visit your local representative for International Insurance Underwriters Overseas Auto Insurance.



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WANTED: Excess items you don't need or want. I'll buy them by the box, truckload or housefull (please, no clothes or shoes). Call MSgt. Rice 536-1214 or 1-757-1967.

FOR SALE: AKC registered white maltese puppy, 8 weeks old, has had some shots, \$250. Call 382-1289.

FOR SALE: 1986 Suzuki Samurai 4 wheel drive convertible, 5 speed, air, AM-FM stereo/cassette. Low mileage. Must sell, \$7,250. Call Newell 1-728-2349 (in Grant).

FOR SALE: Lifestyler 2000 rowing machine, \$45. Back rest pillow, \$5. Two home-sewn quilts, \$50 each. Call 830-5924.

FOR SALE: IBM compatible DSS computer; 640K memory, 2 360K floppy disk drives, Thompson monochrome monitor, \$695. Call 881-6326.

FOR SALE: 3 bedroom, 2 bath, great room, 3 walk-in closets in very convenient NW location. \$54,900 or \$2,500 equity and take up payments of \$534 per month if qualify for Alabama bond money 11 percent interest. Must sell, moving out of town. Call 534-2785 after 5 p.m. Must see.

SEPARATION SALE: 9 and 10 July 88, 0800-1600, 1150 A HOF Circle RSA 772-0560; Couch & chairs \$150, Washer (5 years old) Dryer (4 mos. old) \$400 for both, Bunk Beds, \$150; Queen size bed w/dresser \$100; Single beds (2), \$20 each.; Fishing and hunting equipment tools; Savage Model 99E Rifle .308 Cal. \$175, Remington 700 Bdl. 30.06 Rifle w/scope \$250, Remington 870 12 Gauge Shotgun w/slug barrel \$175, Bear whitetail compound bow \$50, all metal motorcycle trailer \$100, air conditioner (window) \$100, Many other items for sale. Phone: 772-0560.

FOR SALE: Computer, Commodore 128, 1571 disc drive, 1902A monitor, star SD-10 DOT Matrix printer, software, etc. \$1200. Sony Television, color, 19" remote, KV2024AE, \$200. Laser disc, Pioneer, LD 717, \$350, movie discs, \$15 each, VCR, VHS, commercially recorded tapes, \$15 each, blank tapes 2 for \$5. Revolver, H&R .22 Cal. \$150, Rifle, Marlin Glenfield no. 25, bolt action, \$75, speakers, Bose 501's \$250, Turntable, Denon, DP45F, never used, \$200, cassette tape deck, technics, Rs B78R, \$150, Noise reduction unit, DBX, 224XDS, \$175, Tuner, Yamaha, T-80 \$150, Equalizer Pioneer, SG60, \$100, Camera, Cannon AE-1 program, body, \$125; Lense, Canon, wide angle FD 28MM \$100; Lense, Vivitar, 70-210 MM, \$100; Aluminum case, \$50; Tripod, \$20; Bed, Brass, king size (no mattress or springs) \$300; end tables, brass and glass, 3 for \$90, Call for appointment evenings from 8 to 10 p.m. Phone 881-5169.

FOR SALE: PTO type Danuser Post driver, light weight utility trailers (riding mowers, 4 wheelers etc.) Sliding rear windows for Ford Pickup, Call Gary 851-9626.

FOR RENT: NE energy efficient ice cold New York CH&A, TVA energy P/CY, 3 bedrooms, 1 1/2 bath, garage patio, brick rancher, large corner lot, rent \$450 month. Call 859-9276.

FOR SALE: 1976 Triumph TR-7, runs & looks good, red, new block struts, \$2,800 invested must sell, \$1,300. Call 859-9276.

FOR SALE: Almost new Noritake China, Service set for 8 people Rosemarie Pattern, many extra pieces, \$125, 881-3171.

FOR SALE: 18' Hobie Cat (Catamaran) w/trailer. Fully rigged and ready for sailing. Excellent condition. 882-2782, \$2,800.

FOR SALE: Bass rig, 1983 Procraft boat model 1640, 16 1/2 ft., 1985 Evinrude outboard, V4, w/oil injection (VRO) matching procraft trailer, boat equipped w/12/24 Volt trolling motor (Johnson Sea Horse), Jack plate, stainless steel prop, 2 live wells, AM/FM stereo radio, automatic livewell timer, extra seat base w/pedestal and Pro pole (bicycle seat), and headlights, a \$200, vinyl cover also goes, silver 2nd burgandy metal flake boat & accessories are in immaculate condition, always garaged or covered. Please call 233-2483 (Athens) for additional information. If you want a like new rig w/out paying a new (12-15k) price, look at this one, \$6,850.

FOR SALE: 4 plex, reduced, by owner, 4 years old, 2 bedrooms units w/range, refrigerator, dishwasher, ceiling fan, outside storage and more. Excellent location. Positive cash flow and substantial tax advantage. Priced to sell, 837-8331.

FOR SALE BY OWNER: Elegant 3 bedroom 2 bath, rustic contemporary home w/16x40 deluxe pool, located in Harvest Monrovia water area on 1 acre wood lot. Privacy fence and landscaping w/cabana storage building around pool. 2 car garage w/electric door. Just 7 miles west of Madison Square Mall \$107,800. 837-8331.

FOR SALE: 1981 Honda CM 400E, garage kept, adult ridden and low miles, in excellent condition and need to sell, new rear tire and many accessories, \$725. Call Tom Small 895-5120 or 539-2473.

FOR SALE: 1969 Camaro 350, auto, console shift, new tires, new windshield, power steering, tilt column, reworked dash and instruments, everything works well. All windows tinted. Very drivable. After 5 p.m. 1-498-3528.

FOR SALE: 22 acres, 11 in cultivation, beautiful homesite, 1/2 mile from Gunter'sville Lake, near post office, located in Langston, Jackson County, \$30,000 (will negotiate). Call 883-2672.

FOR SALE: Brass bed, double, recently polished, \$295. Large butcher's block, \$225. 6-foot free standing wicker mirror, \$145. 2 wicker night tables, \$35 each. Wicker headboard, double \$50. Call 721-1813.

FOR SALE: 2 Gulf Shores (Alabama) Lots. 3 Blocks west of US 59 and 1 1/2 blocks from the Gulf, size 50x172, and 50x165, \$40,000 each, Call Bernie Miller 837-7668, evenings.

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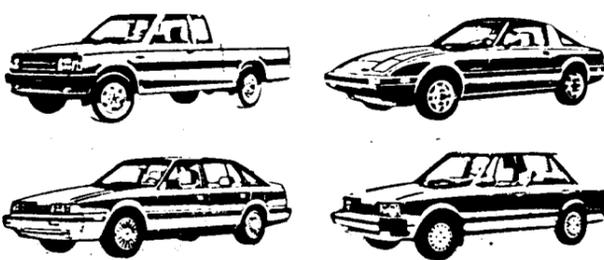
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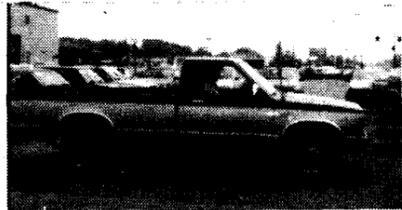
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1984 Toyota Celica GT. Five Speed, air, tilt wheel, am/fm stereo, power mirrors, nice car. \$7995



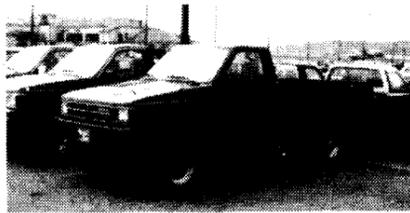
1984 Jeep Cherokee 4x4. Four Speed, Air, AM/FM Radio, Real Clean, Priced To Sell! \$6,495.



1986 Subaru Wagon 4x4. Five Speed, Air, AM/FM Cassette, Power Locks, Windows, Luggage Rack, Rear Defroster, Power Sunroof. \$8,995.



1986 GMC High Sierra. V-8, Automatic, Air, AM/FM Cassette, Rally Wheels, Tilt Wheel, Chrome Mirrors. \$8,995.



1988 Toyota 4x4. V-6, Five Speed, Air, AM/FM Stereo, Bed Liner, Step Bumper, Blacked Out Rims, 800 Miles, Factory Warranty. \$14,850.



1984 Toyota 4x4. Air, Five Speed, AM/FM Cassette, Western Wheels, New Tires, Bucket Seats, Sliding Rear Window. \$7,995.



1986 Buick LeSabre. V6, auto, air, tilt wheel, cruise, power locks, am/fm real sharp. \$8995.

1986 V.W. Quantum, Four Door, Air, Automatic, AM/FM Cassette, Cruise, Power Windows, Rear Defroster, \$8,395.

1982 Chevrolet Celebrity CL, V-6, Automatic, Air, Bucket Seats, Tilt, AM/FM Stereo, Wire Hub Caps. \$2,995.

1985 Chevy Camaro, Automatic Overdrive, Air, AM/FM Cassette, Rally Wheels, Sharp! \$5,995.

1988 Toyota Camry, Automatic, Air, AM/FM Cassette, Power Steering, Brakes, Rear Defroster. \$12,400.

1986 Nissan 200 SX XE, Automatic, Air, Power Windows, Locks, Sunroof, Cruise, Must See! Real Sharp! Priced To Sell!

1984 Chevrolet Chevette, Four Door, Automatic, Air, AM Radio, Nice Car. \$2,295.

1986 Chevrolet Camaro, Automatic, Air, Power Windows, T-Tops, Rally Wheels, 39,900 Miles, Real Clean. Must See!

1987 Ford Aerostar Van XLT, V-6, Automatic Overdrive, Tilt, Cruise, Power Windows, Seats, AM/FM Cassette, Two-Tone Paint, Rear Defroster, Real Clean. \$12,900.

1983 Ford Escort, Auto, Air, AM/FM Cassette, Rear Window Defroster. \$3,495.

1985 Nissan X-Tra Cab 4x4, Five Speed, Air, AM/FM Cassette, Power Steering & Brakes. \$7,895.

1982 V.W. Rabbit, Diesel, Four Speed, Air, AM/FM, Good Condition. \$2,995.

1986 Toyota Celica GT, Automatic, Air, AM/FM, Rear Defroster, Real Nice. \$9,450.

1986 Toyota Van, Automatic, Front & Rear Air, 7 Passenger, AM/FM, Tilt. \$8,995.

1972 MG Midget, Convertible, White. \$2,995.

1985 Ford EXP, Five Speed, AM/FM Cassette, Two Seats, Sports Car. \$3,995.

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