

# Redstone Rocket

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## Defense agencies move toward warranty program

BY SKIP VAUGHN

Most things that people buy, from tractors to televisions, have some sort of warranty covering them in case of defect.

The Defense Department is moving toward the same



**PRODUCT ASSURANCE** — Frank Chappell and others in Product Assurance coordinate the Missile Command's warranty program.

## Plan reduces GS 11-15 jobs

WASHINGTON—The U.S. Office of Personnel Management has issued a Federal Personnel Manual bulletin designed to implement the Reagan administration's new battle against the "bulge" of upper level Government employees through improved position management.

OPM's FPM Bulletin 312-8 establishes a plan designed to save taxpayers \$1.7 billion in the program's four years of operation by trimming the portion of the federal workforce in the GS/FM 11-15 range by two percent per year.

"We're tackling the problem of overgrading and poor position management in government positions where it is most expensive and most pronounced," said OPM Director Donald J. Devine. "The proportion of the workforce in the GS 11-15 band has almost doubled in the past 25 years." Federal employees at these levels earn between \$25,489 and \$65,642 a year.

"With 39 percent of our Federal workforce in the GS/GM 11-15 range, the government today has 50 percent more of its workers employed at high levels than the private sector. The average large company employs only about 26 percent at that level. While some of this top-heaviness can be accounted for by the federal government's unique job mix, structural factors cannot begin to account for all of the problem."

Devine said that no employee will have to face involuntary separation in order to meet the goal. "Since normal attrition rates for the 11 to 15 band are between 5 and 8 percent, the 2 percent goal can be easily achieved by just not replacing some of those who retire or leave for new jobs elsewhere," Devine noted. "We'll be looking at six factors in judging agency performance on position management and giving agencies an individual progress report twice a year."

The FPM Bulletin outlines a plan set in motion by President Reagan in his FY 1984 budget message, published in January 1983. In that message, the President directed OPM and the Office of Management and Budget to review job classification with the objective of streamlining government operations.

system in its production contracts. Under a recent law, the Army and other defense agencies must include a warranty provision in their fixed-price contracts.

This means that weapon systems and their major parts have to be covered under warranty with the company that furnishes those parts. Each company would ensure its parts against defect, much the same way a television company would guarantee a TV set.

"It really is an insurance policy, to get right down to it," says Frank Chappell, a general engineer in Product Assurance Directorate.

The government would pay for the warranty coverage of a contract. The contractor would in turn be responsible for replacing defective parts that it furnishes.

"The Army has always had a maintenance concept to buy and stock the replacement parts and replace them as needed. If we found a lot of failures of the same type, we might get back with the contractor but generally it's at the government's expense to get it corrected," Chappell says. "The thrust of the warranty program will be to reverse that so that the contractor will be liable for those failures and fix them."

This is a relatively new law so agencies are just starting to implement it and find ways to make it work. Whether or not the program is cost effective probably will not be known for a while, according to Chappell. Product Assurance Directorate has been assigned to administer the program here but organizations throughout MICOM are to be involved.

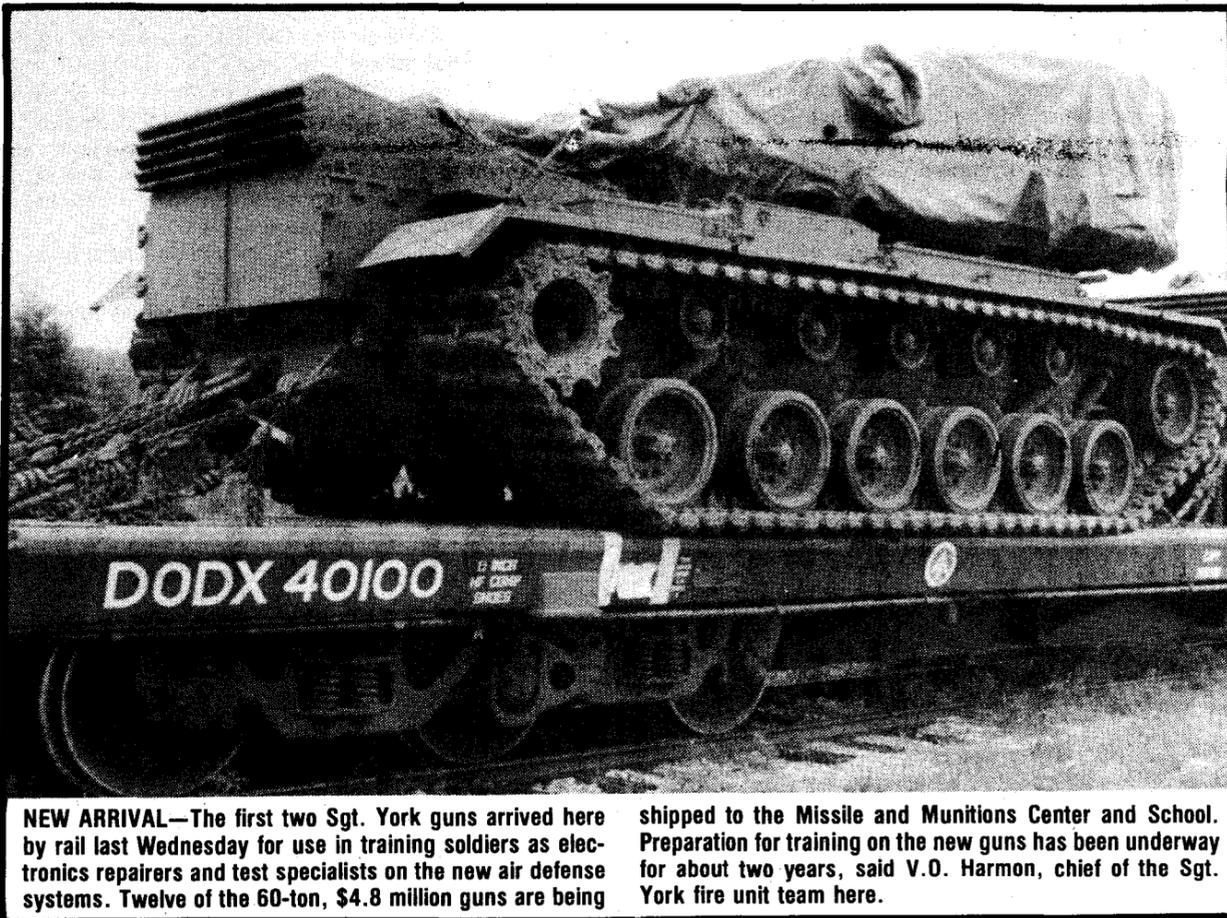
The warranty law was created by Congress as a section of the fiscal 1984 Appropriations Act in December 1983. Section 794 requires that the government obtain a warranty in all production contracts using that money. It was decided to delay implementing the new law for 90 days so the starting date was set for March 14, 1984.

About mid-March the Office of the Secretary of Defense put out some policy guidance on implementing the warranty program. This included a definition of what material would be covered by warranty. "What that amounts to is we must get a warranty on weapon systems and components of those systems," Chappell says. This was further defined as significant components of weapon systems.

"Right now the guidance we're getting is the significant components will be the first level down from the weapon system," Chappell says. In other words, items under warranty would include, for example, major parts of a weapon system such as the launcher, radar and so on. Each contractor would be responsible for the parts it provides.

Permission for exemptions from the policy has to be granted at high levels. Congress has indicated it may revise the warranty program for next year.

"It's not been a very popular thing with the people. There are a lot of questions in people's minds about how effective this warranty program will be," Chappell says. "And we really won't know that until we get down the road and have some experience with it."



**NEW ARRIVAL**—The first two Sgt. York guns arrived here by rail last Wednesday for use in training soldiers as electronics repairers and test specialists on the new air defense systems. Twelve of the 60-ton, \$4.8 million guns are being

shipped to the Missile and Munitions Center and School. Preparation for training on the new guns has been underway for about two years, said V.O. Harmon, chief of the Sgt. York fire unit team here.

## Small businesses honor MICOM officials

The southeastern region of the Small Business Association has presented a plaque to Maj. Gen. Jerry Max Bunyard.

This was in recognition of the MICOM commander's support of the 8(a) program. It was presented Aug. 10 in Atlanta by the Region Four 8(a) Contractors Association.

Dr. Bobby Ingram, director of the MICOM Small Business Office, received a similar plaque. Region Four includes Kentucky, Alabama, Tennessee, North Carolina, South Carolina, Mississippi, Georgia and

Florida.

"I'm very pleased with (the award) because we put a tremendous amount of work and effort toward assisting those contractors and we must have 15 to 20 8(a) firms that we support in those states," Ingram said, "and we put several millions of dollars of support into those firms and they're all doing us a good job."

Contracts are awarded to firms owned by people who are socioeconomically disadvantaged under section 8(a) of the Small Business Act of 1953.



## Corny comment

Editor:

I was intrigued by your recent article on the conflict over who had grown certain vegetables west of Vincent Drive. You handled a potentially explosive subject with sensitivity and balance. (You also showed courage; any paper that runs a big story on corn is risking the charge of "yellow journalism.") However, I believe you fell for yet another hoax in the most recent article.

In the picture of SSgt. Montgomery, the unnatural quality of lighting makes it obvious that he is not standing in a real garden, but rather in front of a picture of a garden. This effect was probably achieved in an auditorium, with him standing on a stage in front of a painted backdrop. It's the oldest trick in the world, and I'm surprised you fell for it. Notice how his feet and lower legs were cropped from the picture—it's no accident. Notice also the picture's overexposure near his chest—it's due either to the flashbulb used for this indoor shot or a reflected auditorium light. Compare this photograph with the one of SSgt. Hammond standing in a genuine garden, and you'll be startled by the contrast.

Also, SSgt. Hammond got a bum rap when you reported that his corn was brown and wilted. It's possible this is the fault of not Hammond, but rather of his enemies in this controversy who might have

## DUI penalty stiffens for soldiers here

The commanding general's policy on soldiers caught driving under the influence has gotten tougher.

A letter of reprimand will be placed in their official military personnel file rather than their local file, the military personnel records jacket. The change Aug. 10 was for first time offenders in the grade of E-4 and above.

"Unless there are exceptional circumstances, all DUI's by active duty military are going to go to Magistrates Court and a general officer letter of reprimand is going to be filed in their official military personnel file if they're in the grade of E-4 and above," said Capt. Kin Clinton, prosecutor in the staff judge advocate office.

Previously a letter of reprimand would usually go into the soldier's military personnel records jacket

severed the roots underground to make him look bad in the press. It's another old trick, and you fell for it. When such corn abuse occurs, it's obvious the corn will either die or be a vegetable the rest of its life, so to speak.

I suspect we haven't heard the end of this vegetables garden rhubarb. My advice to the **Rocket** is to keep digging. And I advise the disputing soldiers to heed the Bible's warning! "As you sow, so shall you reap."

Name withheld by request

## More on morale

Editor:

For years MICOM has been known to be "out in front" in all statistically measurable areas of logistic management. Employees had pride in their accomplishments. They were proud to "know" that they were the pace setters in the acquisition and distribution of missile logistic materials. This fact was even more impressive when one considers the levels of quality and technology required in acquiring the high-tech commodities managed by MICOM.

In the May 23 issue of the **Rocket** a letter appeared in this "Letters to the Editor" section entitled "Morale problem." This out-lining the opinions of many in MMD that morale is at an all time low was rebutted by the Acting Director of the Materiel Management Directorate in a memorandum for all personnel. The Acting Director stated that he had read the letter with "much interest and amazement." He continued his two page rebuttal with much verbiage telling all personnel of the scope of their job, that he

which would not follow the soldier to a new duty station. The official military personnel file, on the other hand, is kept by the Department of Army. A letter placed in this file "is much more significant in impact it could have," Clinton said.

"It can make the difference in being promoted or not. Promotions are so competitive, it can certainly prevent you from being promoted," Clinton said.

Exceptions to the new reprimand policy would only be considered if the service member and senior (full colonel) commander appear before the commanding general to justify an exception.

The policy is aimed at stopping driving under the influence which officials say has continued at an unacceptable rate.

has been in this business for approximately 23 years, and that the MMD Director maintained an open door policy. However, in all his efforts he neither sincerely addressed the morale problem nor did he offer any realistic solution for this continuing problem.

It is a disgrace when management allows conditions in any organization to deteriorate to the point that employees are compelled to initiate action to force correction of problems that effect their job and the security of their country. It is a disgrace when management refuses to hear and tries to gloss problems over with a few high sounding but unrelated words.

The employees are sincerely concerned about the decline of morale, productivity and especially the loss (jumping ship) of highly skilled and valuable managers and supervisors from the Missile Logistics Center.

It is time to get back to the old policy of "if it works don't fix it" and get on with our mission of providing security to our nation.

Name withheld by request

### 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.

**THE REDSTONE ROCKET**

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**90 DAY GUARANTY**



# Army marks 75th year of flight

BY DESIREE JOHNSON

WASHINGTON—"A crowd assembled on a July evening in 1909 to watch a performance considered by many to be both dangerous and foolhardy.

"It would be the final event in a series of stringent tests prepared by the Signal Corps of the U.S. Army in order to determine whether an airplane could be of any military value.

"Orville Wright was going to attempt to fly one of the Wright Brothers' strange contraptions—a plane named 'Flyer'—from the Fort Myer, (Va.) parade ground to the outskirts of Alexandria and back, a distance of 10 miles. If he succeeded the U.S. War Department would purchase the plane.

"'He'll never do it,' they said, 'and he's got no business trying. If the Lord wanted us to fly, he would have given us wings.'"

This eyewitness account describes the flight the Army celebrated July 30 at Fort Myer, marking the 75th anniversary of military aviation.

For the record, Orville Wright successfully completed the flight, the War Department purchased the plane for \$30,000 and the U.S. Army Air Service was born.

It took the Wright brothers five years to convince skeptical Army leaders that planes might be more efficient for reconnaissance purposes than balloons the Army had used since the Civil War.

After the Wrights' successful test flights, the Army embarked on a journey that would revolutionize warfare and travel, and launch the nation into space.

During the years between the tests and World War I, the Army's pioneer pilots experimented with various uses of the aircraft at the first Army airfield in College Park, Md. But since there was not a market for military aircraft, the airplane remained a "plaything."

World War I resulted in the first use of aircraft on a large, organized scale. Newly designed aircraft enabled pilots to conduct aerial reconnaissance and spot for field guns.

## Air support vs. air power

The role of air observation for the adjustment of field artillery fire proved critical, according to a study conducted by Dr. Laurence Epstein, chief of the historical division at U.S. Army Aviation Systems Command. Observation was determined essential to field artillery units, and studies showed pilots could perform better if they were made members of the artillery unit.

The Army's experience in World War I divided the air support and air power advocates, and caused a rift that widened between the two world wars.

World War I had not convinced the majority of military leaders that the outcome of a land battle could be seriously influenced by the quality and quantity of military aircraft.

Other aviators, however, led by Brig. Gen. William "Billy" Mitchell, emerged from the war convinced that future conflicts would be won in the sky. To avoid wars from stagnating into trench warfare, the air power advocates pushed for strategic bombing and the separation of the air corps from the Army.

In the 1920's, the U.S. Army Air Service set out to demonstrate the versatility of the aircraft in a series of aviation "firsts." Most notable include: sinking condemned warships, long-distance flights, and air-to-air refueling feats.

Congress established the Army Air Corps as a separate branch of the Army in 1926, giving it responsibility for air observation and adjustment of artillery fire.

In the '20s and '30s, two catalysts awakened the public to the potential of aviation and revolutionized military and civilian aviation—the Lindberg flight and the rise of Adolf Hitler.

Charles Lindberg's 1927 Trans-Atlantic flight enchanted the nation, according to Dr. Herbert Lepore, a Fort Rucker Army aviation historian. It made the civilian public recognize the reality of air travel and the military the potential for long-range bombing.

Hitler's European conquests and the subsequent appeals for help from Britain and France finally pushed the American aircraft industry into action. President Roosevelt's order for the annual production of 50,000 aircraft forced military leaders to confront the air power vs. air support issue.

## Great changes

World War II brought about great changes in the structure and mission of Army aviation. As the aviation industry had progressed between the wars, many of the aircraft had become less suitable for observation purposes. Moreover, the internal struggle for an independent air force and strategic bombing missions had seriously weakened all elements of the ground support program.

Just prior to World War II a new light aircraft, the Piper Cub, was designed especially for observation purposes, and began to prove its utility in training exercises. Cubs could fly at low speeds and at low altitudes, allowing the airborne observer to give commands directly to the battery commanders either by voice or by dropping messages. They could land and take off from almost anywhere, used small amounts of fuel, and were easy to fly.

Light aviation could adapt to a number of purposes—control of columns, liaison, evacuation of wounded, and radio-controlled flying bombs. Eventually the concept of light aviation provided the impetus for the establishment of "organic" Army aviation.

Maintaining that "ground arms can and must learn to cooperate with aviation," Army leadership at first rejected the idea of allowing the field artillery to man and maintain its own aircraft, according to Epstein, historian at Aviation Systems Command. However, tests finally convinced leaders that the Army air forces could not provide adequate support to the field artillery and organic Army aviation was born on June 6, 1942.

Army pilots entered World War II in North Africa, during November 1942, and were soon flying combat missions in every war theater.

Piper Cubs proved as useful to the Army as the jeep, Lepore, the Fort Rucker historian, said. They were so effective that the Germans rewarded any soldier who could shoot one down.

The first organic Army aviator, Capt. Ford E. Elcorn, was literally baptized by fire. Elcorn claims the distinction of having flown through U.S. Naval anti-aircraft fire from warships whose gun crews mistook his aircraft for a German plane.

After World War II, Congress separated the Air Corps from the Army creating a separate service. The Air Force, born in 1947, pushed for control of the Army's entire air wing, embittering the Army, which relinquished control of its strategic air assets with great reluctance.

A compromise allowed the Army to maintain control over its ground support aircraft, but limited the aircraft's weight and size thereby restricting them to ground support missions.

During the Korean conflict the Army began to use the helicopter to evacuate wounded and transport troops.

But it was in Vietnam that the helicopter came into its own, and gave birth to the air assault doctrine, according to Wayne Dzwonchyk, a historian at the Center of Military History.

In Vietnam the Army was forced to deal with jungles, a primitive road system, and guerilla-type warfare, making ground movement difficult, Dzwonchyk said. Using helicopters to transport troops, drop them into battle areas, and outflank the enemy, the Army gained a mobility it never had before. With the deployment of the First Cavalry Division (airmobile) in 1965, the air assault concept came of age.

The success of the Army's combat assault helicopters in helping counter the Tet offensive ranks as one of the momentous achievements in Army aviation history, according to Lepore of Fort Rucker.

## Army launches into space

America celebrated the fifteenth anniversary of the first moon walk July 20, but the space program really began when a team of scientists from the Army's Ballistic Missile Agency at Redstone Arsenal built the Jupiter-C missile. The missile was responsible for launching Explorer I, the first U.S. satellite, into orbit in 1958.

Army participation in the space program has continued. On February 3 of this year, the space shuttle Challenger was launched carrying Army Col. Robert L. Stewart, as a crew member.

The first 75 years of Army flight carried aviation from its rudimentary beginnings over the Fort Myer parade ground to Secretary of the Army John O. Marsh Jr.'s April 1983 approval to create the Army aviation branch to Stewart's walk in space. The next chapter is just beginning. (Arnews)

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# Dining hall almost like home for longtime cook

BY SKIP VAUGHN

Chances are a soldier stationed here within the last decade has tasted Wanda Nance's cooking.

For nine years Nance has been a cook in one of the military dining halls at Redstone. She started in the so-called "tin city" area, then went to facility number 2, worked at facility number 1 and has been at dining facility 3 for about two years.

"I enjoy it. I enjoy cooking. I mean you have to, to cook for 300 people a day or more you have to enjoy it," Nance says. "People I work with are good. Like Mr. Jones said, we're a family so we just

work together." Elias (J.J.) Jones is manager of dining facility 3.

Nance, one of three cooks on the morning shift, works from 4:30 a.m. to noon. They start on breakfast which includes bacon, sausage, grits and potatoes. "And then three times a week we have the cream beef which a lot of the guys like with biscuits," Nance says.

The others cook the eggs while Nance works on the rest of the breakfast menu. They take a break from 7:30-8 a.m. before cleaning the grill and starting on the lunch meal. Nance works on food for



**DURING BREAK** — Wanda Nance takes a break from cooking in dining facility 3.

the main line while someone else fixes food for the short-order line.

Her menu might include lasagne, steaks, spaghetti, roast beef or fish. "Sometimes we have some very difficult meals but it's something different and good so soldiers will like it," she says. Difficult meals are the special ones that take a lot of preparation.

"Like we have a Soul Day and it consists of a lot," Nance says. "Like we might have fried chicken, barbecue ribs, pinto beans...and we still have rice, gravy; try to have apple pies."

This special menu isn't quite like a weekend barbecue meal with the neighbors'. For example she has to cut up three cases of chickens. "Can you imagine cutting up 48 or so chickens?" asks Nance.

The Huntsville native cooked at home and enjoyed home economics when she was in school at Sparkman High. She is basically a self-taught cook. "Most of it was learning on my own and experimenting," she says.

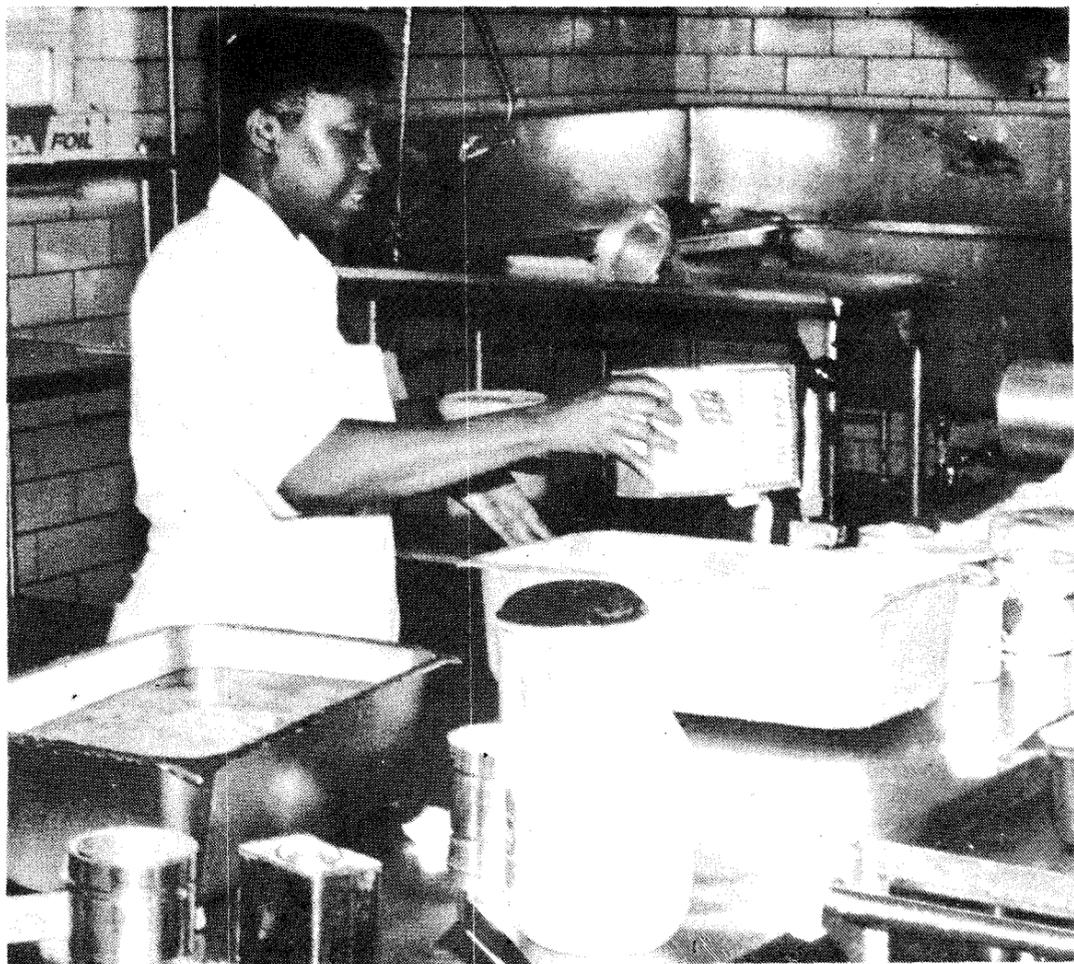
Her mother Gladys Taylor used to cook at Harvest School. Her father Eddie Taylor is retired from John Blue Farm Equipment.

Nance, 31, cooks at home for her husband and three children. James Nance is a molder at John Blue. They have two daughters, Monica, 11, and Tamica, 8, and a son Pierre, 10.

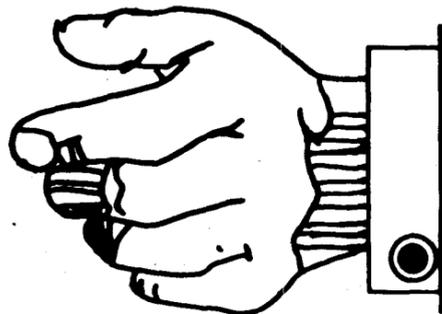
Strangely enough Nance lists cooking among her hobbies, along with sewing and caring for flowers.

"I enjoy cooking something that I know somebody is going to enjoy eating as much as I enjoy cooking," she says, "not only here but home too."

The difference between cooking here and cooking at home is "less food," she says with a laugh. "Other than that it's basically the same."



**AT WORK** — Nance starts preparing lunch for soldiers.



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# Soldier awaiting challenge of Ironman Triathlon

BY SKIP VAUGHN

A grueling combination of swimming, bicycling and running has become a major part of the life of an Army captain here.

Capt. Douglas (Ben) Herr of 5th Student Company is to participate in the Ironman Triathlon World Championship in Hawaii this October. This consists of a 2.4 mile open ocean swim, followed immediately by a 112 mile bike race and finishing with a 26.2 mile marathon.

"I've done triathlons but I've never done one of this magnitude," says Herr. The race starts at 7 a.m. Oct. 6 and the course closes at midnight so competitors have to finish within 17 hours.

This will probably take four or five times as long to complete as the ones Herr has done in the past. He has done triathlons consisting of a one mile swim, 25 mile bike race and a 6.2 mile run. His best time was two hours and 26 minutes on July 22 in Chicago.

"What I wear when I compete are clothes I wear for all three events," Herr says. "All I have to do is change shoes." When he leaves the water, he puts on cycling shoes and a helmet. Next he takes off the helmet and puts on running shoes.

Herr trains about six hours a day. He tries to swim at least two miles daily and cycle about 250 miles a week. He doesn't feel that he runs enough, about 25 or 35 miles a week. "If I do 9-12 (miles on a run) that would be good. It kind of depends on how hot it is," he says with a laugh. He lifts weights mainly to prevent injuries and strengthen his shoulders and lower back for swimming and cycling.

The 26-year-old Columbus, Ohio native was among the lucky Ironman entrants picked to compete by lottery. This is how 400 people were selected. The rest of the 1,250 competitors either qualified from previous triathlons or were among selected foreign participants.

A record number of more than 8,000 applications were mailed for this eighth Ironman Triathlon.

"I just think it's the challenge of pushing yourself mentally and physically and that feeling of completion," Herr says. When he was accepted in May, he called his parents. "I wouldn't say they were real enthusiastic," he says with a laugh. "They've changed quite a bit; in fact, they're coming over for it."

Both his parents are professors at Ohio State University. Dr. Donald Herr teaches agronomy and Joan Herr instructs in human nutrition. "She gives me advice on my diet and stuff so it helps out," says the triathlete. His brother Dr. John Herr, 28, is an orthopedist in Akron, Ohio.

Herr was graduated in 1980 from the U.S.



TRAINING RIDE — Herr tries to cycle about 250 miles a week to prepare for the triathlon.

Military Academy at West Point. He had shot competitive rifle for six years before going there and shot on the West Point rifle teams for about three and a half years.

"The sport of riflery is about 90 percent mental concentration and about 10 percent physical," he says. "Mentally it's very, very demanding and I would say that's helped me in my training."

The 5-foot-11, 170 pound soldier would like to complete the triathlon in under 14 hours which would put his finish time at about 9 p.m. No one has ever completed the strenuous course in less than nine hours. Dave Scott, a 29-year-old fitness consultant from Davis, Calif., has come the closest.

In the October 1983 race, Scott won his third Ironman title and set a new course record by finishing the 140.6 mile race in nine hours, five minutes and 57 seconds. The women's record also was set last year by 22-year-old Sylviane Puntous of Montreal in 10 hours, 43 minutes and 36 seconds.

Herr, stationed here since April for the officers advanced course, will leave Sept. 20 for Hawaii. He plans to train there for about two weeks, do the Ironman Triathlon, relax for two weeks, then go to Korea for a year. At present his hobby is triathlons. "Right now it's such a dominant part of my life, takes up most of my time and everything," he says.

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## OWC to welcome new arrivals at Redstone

Wives of newly-arrived officers will be welcomed by the Officers Wives Club on Aug. 23.

The club's traditional newcomers' coffee will be held from 10-11:30 a.m. Thursday, Aug. 23 in the home of Celia Bunyard at 1 Wadsworth Drive on the arsenal.

"We do it so everyone will feel a part of the community from the very first days they arrive on the arsenal," she said. "This is a yearly thing but it's not the only time we welcome people."

The event is for officers' wives who have arrived since May. Last year more than 100 people attended, Bunyard said.

"She opens up her home," said Nancy O'Donnell, OWC president. Reservations are not necessary.



PLANNING — Discussing plans for newcomers' coffee are, left to right, Nancy O'Donnell, OWC president; Celia

Bunyard, honorary president; and Evelyn Lippincott, hospitality chairman.

## Officers polled in new study

WASHINGTON—A new Army study group is evaluating the professional development system for commissioned and warrant officers.

According to study group officials, the study will focus on military training, education, assignments and socialization of the active and reserve components during the next four decades.

The group is examining the officer professional development philosophy and system to see if they meet the needs of the Army now and in the future. They also are evaluating whether training and education are provided at a career stage when they can be most

useful, and whether they contain the right content in light of Army missions.

To assist in the study, a survey of general officers and 23,000 other randomly-selected commissioned officers is underway, asking them about their professional development in relation to career duties. The surveys will be mailed by Aug. 15. All officers may contribute individual ideas, suggestions and criticisms directly to the study group in writing.

The new study builds on the officer personnel management system scheduled for completion this September, officials said. (Arnews)

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## New tactical shelters used as hospital rooms

The U.S. Army Natick Research and Development Center in Natick, Mass. recently announced the award of its largest-ever dollar contract. Brunswick Corp. of Marion, Va. was granted a \$44 million contract for the first production buy of 761 expandable rigid wall tactical shelters, primarily for use as field hospitals and hospital rooms. Delivery of the first items is scheduled for December 1985.

A unique feature of the shelter is that one model, of basic 8 x 8 x 20-foot structure, with 150 feet of work space, can be expanded on one side to provide 275 square feet of working area. More than 300 of these units are being procured. The largest portion of the contract is for the delivery of 429 units expandable on two sides, providing 400 square feet of interior work area.

Natick engineers designed and developed this versatile family of shelters to be used in situations requiring highly mobile, environmentally controlled, work-in and live-in space. The shelters will replace a large number of special purpose shelters currently in the Army inventory.

Constructed of nonmetallic honeycomb-core panels thermally bonded to aluminum skins, the shelter materials provide a high strength-to-weight ratio and permit the mounting of hardware or equipment anywhere on the panels. Each shelter will have its own internal electrical and heating and air conditioning system.

Equipped with leveling jacks, each of the shelters, which conform to international shipping standards and have a gross weight capacity of 15,000 pounds with full payload, can easily be transported and quickly erected in the field.

The research and planning that went into the development of the shelters resulted in both reduced costs and reduced logistics support requirements; one version of each of the shelters will meet all Army field requirements.

Additionally, production costs of the shelters is 25 percent below government estimates, due to the standardization of components, the quality of the bid package, and the large quantity being purchased at one time.

## Wet trash hampers steam production

People can help save energy at Redstone Arsenal by keeping the lids on trash containers.

Covering the containers will keep the contents dry and permit using the trash to generate steam, according to Bill Schroder, Redstone's environmental quality coordinator.

When trash becomes wet, said Schroder, "they have to slow-feed the incinerator and can't make steam. The boiler has to work at 50 percent efficiency to make steam and it only works at 25 to 40 percent with wet trash.

"Whenever people utilize trash disposal facilities they should make sure the lid's back on to keep it dry and help us produce energy out of this trash by making steam," he said.

Paper trash and other solid waste that will burn is disposed of in an incinerator on Mills Road that has been in operation a little more than a year. Boilers at the facility produce steam that would otherwise have to be generated by burning oil and natural gas.

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## Quality control expert to lecture here

An authority in quality and management will come to Redstone on Aug. 23.

Dr. J. M. Juran, a lecturer, management consultant and author, is to present seminars for officials here. His books have collectively been translated into 13 languages. He has conducted a course in quality control in more than 30 countries in the last 35 years, training more than 20,000 managers and specialists.

"He's kind of considered **The Person** in quality and to get in one of his seminars is a rare occurrence. We've had a lot of interest in the seminars," said Claudetta (Bud) Hawie, a general engineer in the program office of Product Assurance Directorate. That directorate is co-sponsoring Juran's visit.

Juran is to conduct a morning seminar in "Upper Management and Quality" and an afternoon session for middle management and first line supervisors.

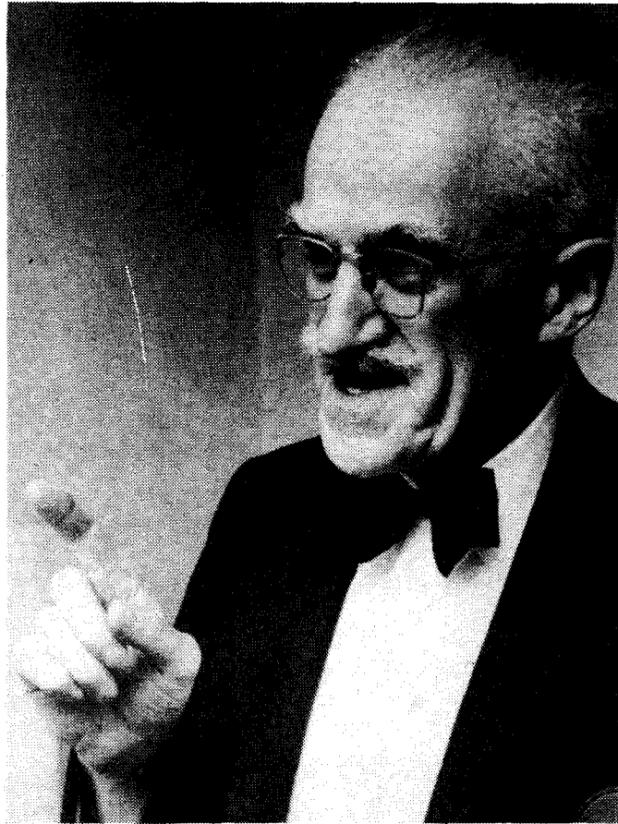
Since 1924 he has pursued a varied career in management as engineer, industrial executive, government administrator, university professor, impartial labor arbitrator, corporate director, and management consultant. His honors include more than 30 medals, fellowships and honorary memberships awarded by professional and honor societies in 12 countries. These include the Order of the Sacred Treasure, awarded by the Emperor of Japan.

Besides books, he has written more than 200 published papers. His books include the "Quality Control Handbook," "Quality Planning and Analysis," and "Management of Quality Control."

"The classical definition for quality is fitness for use," said Hawie.

"When we buy equipment from contractors, if it doesn't work, we have essentially wasted the govern-

ment's money," she said. "We have to be sure it performs the mission that we bought it for and we have to be sure that it lasts and keeps performing that function."



J. M. JURAN

## Two soldiers sentenced in court-martial action

Two Redstone soldiers were court-martialed last week, according to the Staff Judge Advocate office.

Pvt. Leartis Purdie of 6th Student Company pleaded guilty to receiving stolen property, breaking restriction, failure to obey a lawful order, fraudulent enlistment, fraudulent use of a meal card, and false swearing.

Purdie, 20, of Atlanta, was given a bad conduct discharge, two months confinement, and forfeiture of \$200 for two months. He was sent to the military jail at Fort Campbell, Ky., according to Capt. James Frees of the staff judge advocate office. Purdie was sentenced by a military judge, Maj. Kerry Buckey of Fort Campbell.

SFC Kenneth G. Haynes of B Company, pleaded guilty to absence without leave, driving while drunk, and failure to obey a lawful order. Haynes, 38, of Walbridge, Ohio, was reduced from E-7 to E-6 by a panel of three officers and three enlisted soldiers. He was originally scheduled to retire May 31 and is expected to retire soon, Frees said.

## Campaign launched on pay, allowance fraud

WASHINGTON—Are you entitled to all the pay and allowances you are accepting from the Army?

September is the kick-off month for a new Army-wide anti-fraud campaign looking for the answer to that question.

This campaign will focus on detecting and reporting suspected pay and allowance frauds. Efforts will be made to make Army personnel at all levels more aware of the potential for this type of fraud. Throughout the campaign, entitlement verifications will be made to detect soldiers who may be receiving unauthorized pay or allowances. (Arnews)



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- '82 Corolla Liftback—Auto, air, power steering, cloth seats and roof rack. **\$6,450**
- '81 Corolla 4DR—Elegante Package, auto, air, power steering and brakes, wire wheels, landau top and much more. **\$6,650**
- '80 Corolla Wagon—Local one owner, auto, air, very clean, never damaged. **\$5,250**
- '79 Celica Coupe—Alloy wheels, 5 speed, stereo, new paint, sharp. **\$4,950**

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## Robot era introduced to students at MMCS

BY CINDY WATSON

The Missile and Munitions Center and School has moved into the robot era.

It appears Robotics is being introduced to the Electronics and Technology Department here. HERO 1, a 20-inch, 39-pound robot, arrived three months ago to aid the students with the development of robotics understanding.

"Robotics is the science that combines electronics and computers with mechanics which causes mechanical movement to take place," said Maj. Harry Rollins, director of Electronics and Technology Department.

HERO receives programs through an internal microprocessor.

"Exceptional students that finish at the top of their class will have an opportunity to learn the primaries of robotics," said CWO Allen Smith, operations officer.

This robot is "strictly for exposure to robotics to combine mechanics with computer functions," said Leif Anderson, instructor of electronics and computer programs.

"Hopefully the future function of robotics might be mine clearing, ammunition handling, and repairing functions in a chemical environment," Rollins said.

The Army can gain increased productivity from robotics, according to John Carrigy, chief of data systems office. "It will remove a person from a dangerous situation," he said.

As for HERO, it will just remain the Toy Tin Soldier at Toftoy Hall.



TALKING TO ROBOT—Sp4 Peggy Hall uses a keyboard to give instructions to the HERO 1 robot, which has an "arm" that grips.

# White ground hog seen near reception center

An unusual animal had receptionists at a visitor reception center buzzing last week.

They saw what they believe was a white ground hog in the parking lot of the center located near Gate 1 on Martin Road. Usually the ones they see are brown in color.

"I saw it just about five minutes ago in the parking lot when I came back from lunch. Last week we saw it 4 o'clock or so at the end of the parking lot," said Joyce Gardner, an information receptionist. "I called over to the veterinarian's office and the guy who answered the phone over there said he'd never seen a white one."

The parking lot leads to a wooded area on one end. The visitor reception center is part of the security directorate.

Brown ground hogs can be seen there at least once a week, according to Gardner.

"I guess they're called ground hogs. They're called something. They're pretty good sized things," Gardner said.

"They play along the edge of these roads out here all the time and they're real fuzzy, (with) a lot of hair and it looks like it's long," she said.

Tom Atkeson, manager of Wheeler National Wildlife Refuge, said albino groundhogs have been seen on the arsenal before. "I remember 10, 15, maybe 20 years ago someone trapped one and had it in a cage at the game warden," Atkeson said.

The biologist said albinism, a lack of pigment, "is a recessive hereditary factor, but recessive or not when you get albinistic genes in a particular group in a particular locality it (albinism) will keep popping out."

When two normal-colored parents carry this recessive gene, one in three of their offspring will be

albino, according to Atkeson.

When albino parents mate, all their offspring will display the condition. "It does breed true. That's where we get most of our white domestic animals like rabbits and pigeons," he said.

There are degrees of albinism. In total albinism, there is a complete lack of pigment, eyes are pink and claws ivory-colored. Animals can display partial albinism as well as piebaldism — white splotches on an otherwise normal coat.

Albinism is one of four color phases that occur in all animal life. Another is melanism in which black pigment dominates in animals that ordinarily are another color. Erythrism is an unusual redness of pigmentation and xanthochromatism, rarest of the four and seen mostly in birds, is an overabundance of yellow pigment.

# Soldiers promote good relations with community

BY JEFF WATSON

Each year dozens of student and permanent party service members at Redstone Arsenal donate some of their time to help in the community. In addition to the personal enjoyment and satisfaction these soldiers get, they also play a big part in the post's community relations program.

This program creates and maintains a working relationship with the community based on personal contact with area residents who are not affiliated with Redstone Arsenal. This in turn enhances public understanding of the Army's mission and encourages dialogue between the civilian and military communities.

Many soldiers such as Lt. Col. William Willis are also active in community projects on post. He has been a scout master for the past 17 years and presently leads Troop 308 here at Redstone.

"I'm very proud to be a volunteer in a organization such as the Boy Scouts," said Willis, research and development coordinator for the Optics Directorate at the Missile and Munitions Center and School.

"Youth today are faced with many decisions and choices, many of them devastating, but it can be a very heart warming experience to help a young person make the right decisions and develop a positive attitude. I feel there are a lot of intrinsic values involved with activities such as these, and besides they can be a lot of fun," he said.

Service members at the missile school regularly support several community events. These include taking handicapped children to fairs and picnics, escorting Miss Wheelchair Alabama contestants each spring, participating in area parades and ceremonies, and hosting tours and exhibitions for community groups. They also belong to local civic organizations.

For their efforts and contributions in the community, individual soldiers and specific military units have been recognized by the Army and the local civilian populace.

"The military has been a big help to us," says Stewart Schaefer, community development vice president for the Huntsville Jaycees. "We couldn't do without the soldier help we receive for the Exceptional Peoples' Day (at the county fair). We host 300-400 people each year. Without all of the support from the services, we just couldn't do it."

# Exchanges hit debtors with civil charges

WASHINGTON—People leaving the military who are still indebted to the Army and Air Force Exchange Service could face civil charges, according to exchange officials.

AAFES recently referred more than 140 cases to the Justice Department in an effort to recover some \$150,000 owed on dishonored checks and delinquent deferred payment plan charges. U.S. District Courts will hear the civil suits involving at least \$600.

"We want to call attention to the fact that people are not just going to rip-off the government," said Maj. Gen. Richard D. Murray, AAFES commander, in a newsletter to field commanders. "We might not get blood out of all these 'turnips,' but we owe it to all exchange patrons to squeeze."

Indebted individuals often were dismissed with less than an honorable discharge, according to AAFES officials.

Although collecting on delinquent accounts could take months, AAFES officials warn that these account holders, "should all be looking over their shoulders.(Arnews)

# Army cooks participate in culinary olympics

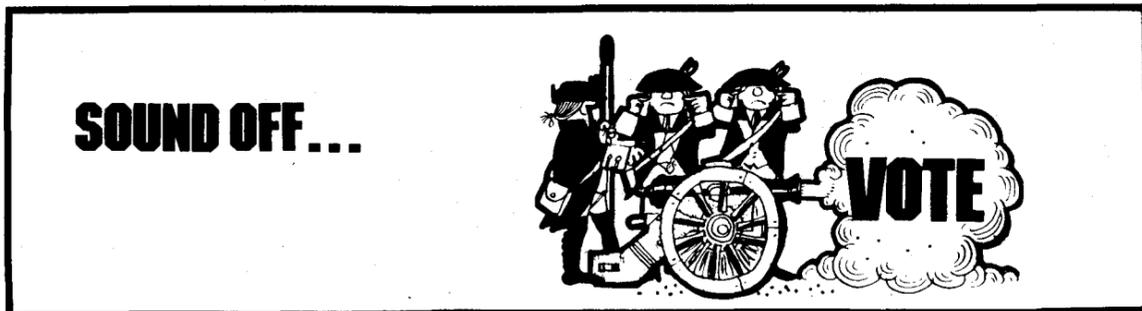
WASHINGTON—Army cooks from Fort Lee, Va., will make history this fall becoming the first military team of any nation to compete in the International Culinary Art Exhibition, Oct. 12-18, in Frankfurt, West Germany.

Recognized as the "Olympics" of the culinary world, this event provides international competition during the same year as the athletic olympics. Judges evaluate all food entries using a point system and judg-

ing standards similar to that used in the athletic games.

Although Army chefs previously have participated as members of the national team, this will be their first effort as an all-Army team.

The "Culinary Olympics," held only in Germany, began at the Frankfurt fairgrounds in 1900 and have been held periodically since then. The German chefs' association organizes and sponsors the competition.(Arnews)



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# Pershing II gets tough treatment for lasting test

The Pershing II missile frozen and fired at Cape Canaveral August 6 had taken a beating beforehand.

In tests here in January and February, the missile was subjected to several years worth of wear and tear in a short time by a crew of soldiers who put it through a 1,350 road test.

The shot at the cape Monday before last was to show that the missile would work under conditions that equal or exceed the worst case it might experience in its service lifetime.

The missile was prepared for this special shot early this year. First, the three missile sections in their shipping containers were put in a cold chamber and chilled to minus 5 degrees for three days. This was followed by temperature cycling in which the temperature was raised slowly to 40 degrees, then dropped again to below zero. This process was repeated for four days. Then the chamber temperature was held at a constant 5 below zero for another three days.

When the missile sections came out of the cold chamber they were assembled on their transporter and taken on a 1,350 mile trek over arsenal back roads.

The soldier crew drove the eight wheel drive truck and its cargo as hard as they could day and night over dirt, gravel and paved roads around and inside Range 3 on the arsenal's northwest corner. More than six months later tire skid marks left in abrupt stops are still visible on Martin Road.

The 40-ton vehicle pounded the unpaved roads so badly that repair crews had to follow the big truck as it made repeated laps around a 10-mile course that included Martin and Anderson Roads south and west of the Range 3 boundary and Center Line Road inside the range.

Periodically during the test the soldiers left the road and put the missile through a countdown.

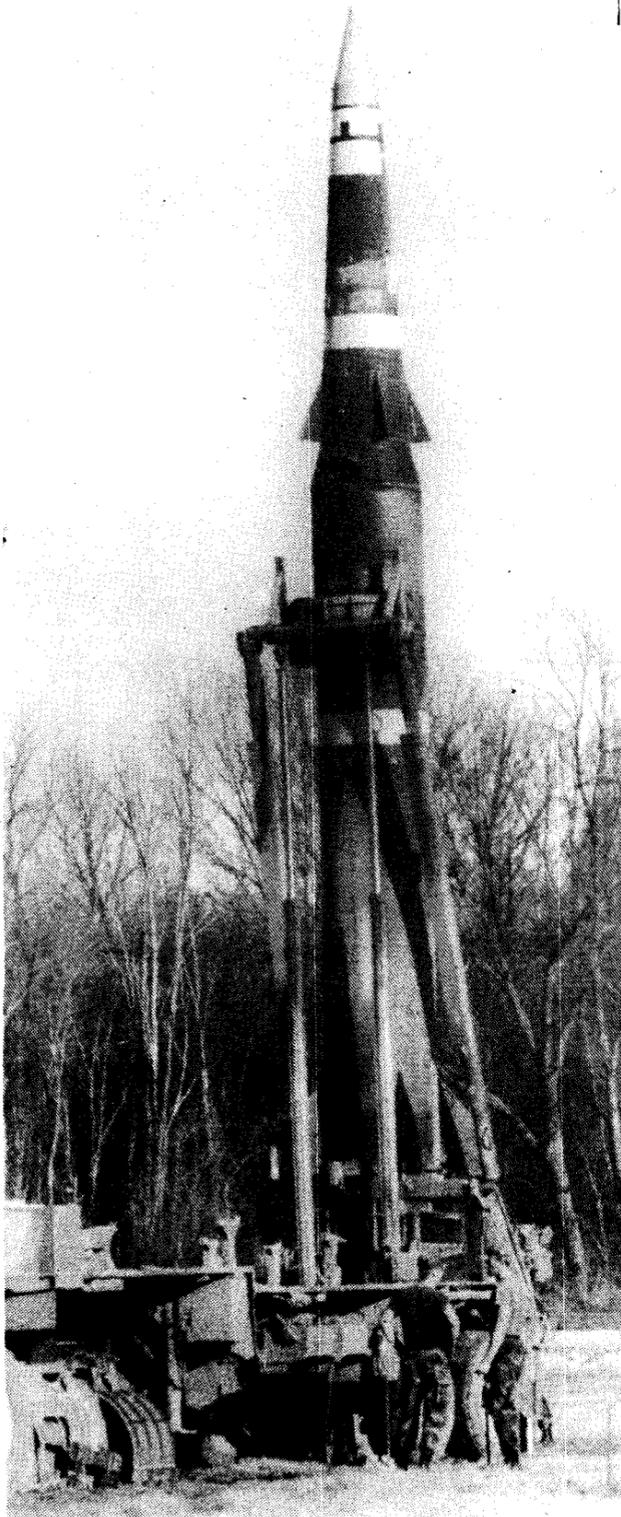
When the road test was completed in February the missile was taken apart, packed in containers and put back in the cold chamber for three more days at minus 5 degrees.

Then Monday before last that same missile was

reassembled on a launch pad, covered with a refrigeration shroud and chilled again to five below, and fired to a target more than 800 miles away in the Atlantic Ocean.



ROAD TEST — Truck and cargo weighing more than 40 tons together pounded arsenal back roads during 1,350 mile test that simulated several years of wear and tear.



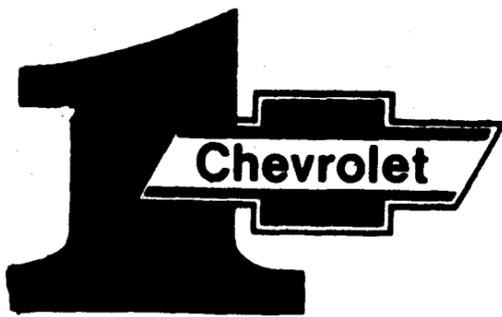
COUNTDOWN — Periodically the road test was stopped and the missile put through a countdown. A soldier crew performed the road test in January and February,



HIDING A MISSILE — Pershing II crew place a camouflage net over the missile and truck which have a combined length

of 50.5 feet. Poles propped against the side of the truck hold up the camouflage covering.

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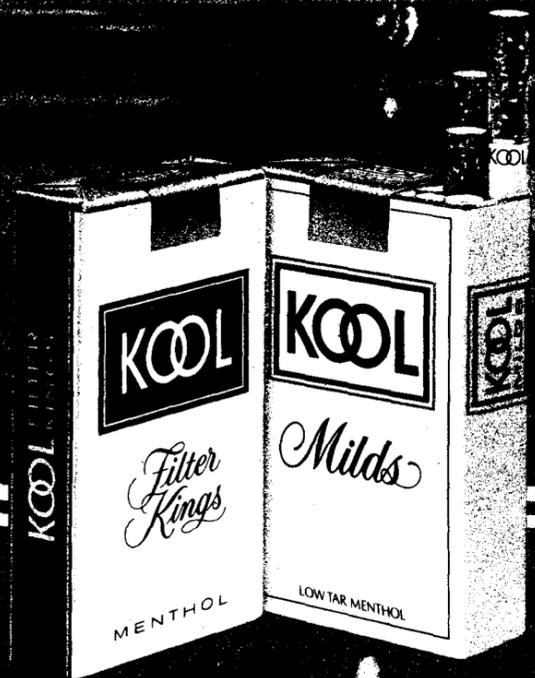
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1.1 mg. nicotine av. per cigarette, FTC Report Mar. '84.

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## Thiokol upsets Cougars in softball action

BY SANDRA RECIO

Thiokol collected two big wins last week in Civilian Welfare League softball, including an upset over the Cougars.

Thiokol beat the Cougars 10-9 then slipped past MIA 10-8. In other games reported in, Express derailed Pershing 29-11, RADs edged T&E 12-11 and T&E came back to smash P&P III 19-3.

In Thiokol's win over the Cougars, Steve Harbison had three hits and two runs batted in while Bill Cooley had three hits and three RBI. Terry Mann and Andy King each collected three hits and Scooter West had two RBI. The Cougars were led by a solo home run by Sam Meadows. Cooley was the winning pitcher. In Thiokol's other win, Forrest Emfinger had four hits,

Bart Fulmer had three hits with three RBI, Danny Holt added three hits, and Jesse Murph had two RBI.

Express rode past Pershing with a big rally led by Matt Jones' five hits and a homer, John Pea and James Cox with four hits each, and Charlie Mellies, Bill Leatherwood and James Fletcher with three hits each. John Douglas added two hits and Calvin Boone slammed a triple. Fletcher was the winning pitcher.

RADs edged T&E despite T&E's home runs by Earl Shirley, Don Hughes and Bobby Alongi. Kenny Alongi, his brother, added three hits. T&E romped P&P III as Shirley slammed a home run and Bobby Alongi and Rick Atchley each collected three RBI. Don Hughes was the winning pitcher.

## Recruiter honored for signing-up male graduates

WASHINGTON—A staff sergeant assigned to the Battle Creek, Mich. recruiting station, recently received the Army Chief of Staff's first Recruiter of Excellence Award.

SSgt. Rodney D. Lowell recruited 11 male high school seniors or graduates during June and July earning him this Pentagon level recognition.

Between June 1 and Sept. 30, all recruiters contracting at least 10 male high school graduates that score in the upper 50 percentile of the armed forces entrance examination will also receive recognition—making up the Chief of Staff's Recruiter of Excellence Association.

Army Vice Chief of Staff Lt. Gen. Maxwell D. Thurman presented the award to Lowell at a Pentagon ceremony in August. (Arnews)

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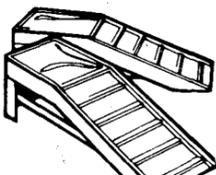
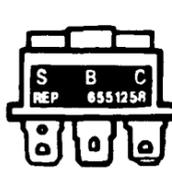
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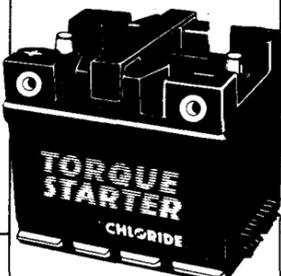
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 <p><b>13.99</b> pair Front Floor Mats</p> <p><small>Custom carpeted mats by Plasticolor. Available for Camaro, Firebird, 2-28, Trans Am, Chevrolet and Ford. Many colors. Matching rears also available.</small></p>	 <p><b>1.99</b> Turtle Wax Interior Cleaners</p> <p><small>Your choice of Upholstery, Velour or Carpet Spray Cleaners. 14 oz. #250, #254, #259.</small></p>	 <p><b>13.99</b> Lynx Air Cleaner</p> <p><small>Fits 5 1/4" neck. Reusable, flame retardant element. #1002.</small></p>	 <p><b>9.88</b> 6" Oscillating Fan</p> <p><small>Mounts easily. Ideal for trucks and RVs. 12 volts.</small></p>	 <p><b>89.95</b> AM/FM Cassette Stereo</p> <p><small>By Sparkomatic. With auto-reverse. Fits imports, compacts and GM X-bodies. Includes mounting hardware. #SR334.</small></p>

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# Exchanges overseas sell cars on cost-plus basis

DALLAS—New worldwide contracts with U.S. manufacturers and central contracting administration have improved the Army and Air Force Exchange Service new car special order program.

In 1983, approximately 12,000 American-made cars worth more than \$100 million, were sold to authorized customers. Chrysler lead the way, delivering 4,004 vehicles under the AAFES program. American Motors sold 2,727; Ford 2,126; and General Motors 2,087. Harley-Davidson motorcycles accounted for 384 and Volkswagen of American 725. AAFES receives a flat fee of \$50 per automobile and \$25 per motorcycle delivered.

Since the program was started in 1960, AAFES customers have been able to order vehicles to their specifications from a controlled source and be assured that their purchase will be delivered, as ordered, to a designated location.

"We look at the new car special order program as a service to our customers who are stationed overseas. They don't have the luxury of shopping various new car dealers to find the vehicle they want at the price they want to pay," says Joseph Wizansky, AAFES new car sales contracting officer. "Since bartering is out we offer our customers a convenient, cost-plus program and assist in resolving any potential price, delivery or warranty problems."

Wizansky urges potential customers to read the AAFES "plain talk" pamphlet on new car special orders. The pamphlet is available in overseas new car sales offices at main exchanges or by writing AAFES, PA-R, Box 660202, Dallas, Texas 75266.

The new world wide contracts provide for a centralized contracting officer to administer the program

from headquarters AAFES. The new contracts offer AAFES and its customers a better controlled and more effective program. However, even though the vehicles are sold under the auspices of AAFES, the sales agreements are strictly between the customer and the car company.

Customers are assured that if they experience difficulty with a car purchased under an AAFES contract, AAFES will provide its full support in resolving their complaint. For example, if delivery is delayed through the fault of the car company, AAFES will assist in seeking reimbursement for reasonable expenses incurred while waiting for delivery.

Special order vehicles are the most common types of

cars sold, but American Motors, General Motors, and Ford and Chrysler maintain stocks in Europe of the most popularly equipped models, ready for immediate delivery, sometimes longer for models on consignment or in short supply.

Any overseas exchange customer authorized to have a privately owned vehicle and who has unlimited exchange privileges can order an automobile for overseas delivery. For delivery in the U.S., the customer must be assigned overseas and have permanent change of station orders for return to the United States. Navy and Marine personnel assigned to ships serving tours in foreign waters may also purchase automobiles through the AAFES program.

## Courts-martial judge gets national recognition

WASHINGTON—An Army court-martial judge stationed at Fort Knox, Ky., was recently selected as the country's outstanding trial judge by a national organization affiliated with the American Bar Association.

Col. Ronald B. Stewart, 51, a general courts-martial judge with the Army's first Judicial Circuit, received the 1984 Flaschner Award from the National Conference of Special Court Judges during an August ceremony in Chicago. He is the first active member of the military services so honored.

This annual award is named after Judge Franklin Flaschner, former chief judge of the Massachusetts district courts, for his contributions to improving trial court administration.

Stewart was nominated for "significant contribu-

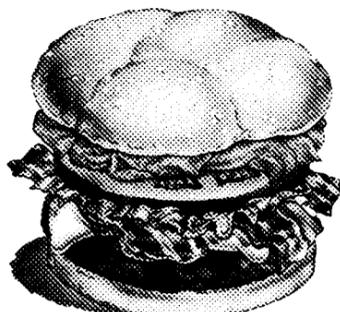
tions to the continuing legal education of the trial judiciary and his dedication to the active improvement of the administration of justice."

Stewart, who is considered the Army's most experienced trial judge, has developed many techniques for case management, docketing and processing. He has presided over cases in at least 16 states and several foreign countries, including the first military case since 1962 to impose the death penalty.

Stewart, a military trial judge for 13 years, was selected from a field of several thousand full-time special court trial judges.

Special courts handle more than 90 percent of the workload in the state and federal court systems, including municipal, civil, family, probate, traffic, criminal and bankruptcy cases. (Arnews)

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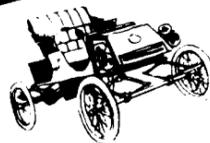


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# CLASSIFIEDS

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

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

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Anyone who witnessed an accident between a motorcycle and a red Datsun at 1230 hrs, on May 1 1984, At the intersection of Neal Road and Burros is asked to please call 876-2535 or 876-3536 for Jim Noblitt. A man wearing a beard and driving a pick-up truck at the scene of the accident is requested to call 876-3536.

1979 Honda 1000cc Gold Wing 1/2" farring, carsh bar, (2) helmets, CB custom seats, and saddle bags 6,750 miles, like new. Call 876-4367/6752 SFC Gregory L. Davis Home: 837-5267

2 Remington 870 shotguns: 30" full choke \$225 and 28" modified \$200. Trius Clay Target Trap \$25. 2 pair of waders. Call 882-6162.

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

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

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

If you submit more than one classified at a time, place each one on a separate piece of paper, unless they fall in the same sales category, (miscellaneous, vehicles, etc.).

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

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

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

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'84 SVO TURBO MUSTANG 5 speed. Black w/ black & grey interior, \$6500 and take over payments or \$15,000. Call 859-3385.

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P235/60 B15 (G) 53.99  
P275/60 B15 (L) 65.99

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FULL..... 129 Ea. Pc. Ref. Value 649.95  
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QUEEN..... 109 Ea. Pc. Ref. Value 549.95  
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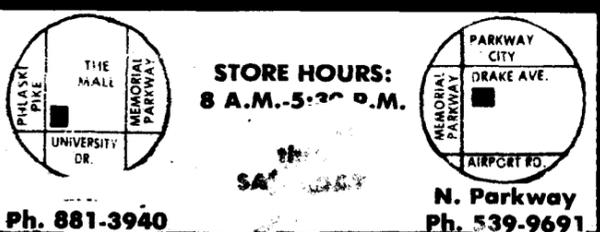
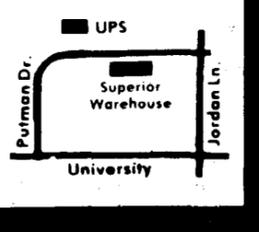
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SATISFACTION GUARANTEED ALWAYS FIRST QUALITY Factory Direct—No Middle Man



# —ANNOUNCEMENTS

## Spiritual support group

The H.E.R.O. handicapped spiritual support group will meet August 18 from 11 a.m. - 2 p.m. at St. Stephen's Episcopal Church on Whitesburg Drive. The Bell Ringers from Whitesburg Baptist Church will perform at this meeting. H.E.R.O. holds fellowship meetings on the third Saturday of each month. For more information or transportation assistance call Lois Render 882-0909 or 876-1606.

## Recreation Center

Tonight - Uno at 7 p.m. Thursday - Bingo at 8:30 p.m. Friday - Checkers at 7 p.m. Saturday - Risk at 2 p.m. Sunday - Pearls of the Pacific show at 7 p.m. Monday - Trivia quiz and refreshments at 7 p.m. Tuesday - Pool at 7 p.m.

## Bloodmobile

Today - Recreation Center from 9-12. Thursday - Building 3207 (7th Student Company) from 4-8. Friday - Building 7442 from 8-12, building 5681 from 7-12 and building 8027 from 7:30-11:30. Tuesday - Building 4752 (NASA) from 8:30-12:30. For more information call Donna McVay 876-7621.

## Potluck dinner

A Protestant family potluck dinner is scheduled August 19 at 1 p.m. at Bicentennial Chapel. Bring a dish to share.

## Catholic youth

A bus trip to Point Mallard for Catholic youth is planned August 22 in observance of youth appreciation day. For more information call Chaplain Donald Breaker at 876-5707.

## Black federal employees

A meeting will be held at Cavalry Hill Friendship Center on Monday, August 20, at 6 p.m. for membership enrollment and selection of officers in the newly-formed Black Federal Employees Organization.

## OER briefing

There will be a mandatory briefing on the Officer Evaluation Report System on August 16 at the Post Theater. Civilians who rate officers are required to attend at 10 a.m. and officers must attend at 2 p.m.

## Women's luncheon

The Huntsville area federal women's group is having a Women's Equality Day luncheon on August 23 at 12 noon at the Officers Club. The guest speaker will be Brig. Gen. Eugene Fox, deputy BMD program manager. Tickets are \$5 and the public is invited. For tickets or more information call Becky Currey at 895-4011.

## Parachute club

The first meeting of new Missile and Munitions Sport Parachute Club will be held Sept. 5 at 6 p.m. at the Recreation Center. Interested persons are invited whether they have jumped or not. For more information call SSgt. William Schumacher 876-4486 or Capt. David Hartsell 876-1040.

## Science fiction

The North Alabama Science Fiction Association will meet August 18 at 7 p.m. at the First American Savings and Loan building on University Drive. For more information call Jack Lundy 876-7729.

## Books autographed at PX

The author of "The Best of Huntsville" entertainment guide, Mike Kaylor, will be at the main exchange Saturday at 12 noon to autograph copies of his book.

## Soccer registration, tryouts

Registration for the youth soccer program (AYSO region 388) continues at the youth activities office in building 114. Tryouts will be held Saturday, Sept. 18, at 1:30 p.m. at field 17 on Goss Road at Skinner Drive; registration may also be accomplished at this time. Boys and girls born 1966-1979 are eligible to play soccer. Proof of age is required for those new to the youth activities program at Redstone Arsenal.

## Olympic medalist reception

A reception for Wanda Jewell, winner of a bronze medal for shooting in the Olympic Games, will be held from 2-5 p.m. Sunday, Aug. 19 at the Recreation Center, building 3711. There will be refreshments at this occasion to meet the Olympic medalist from Redstone Arsenal.

## Learning resource center

An "Artificial Intelligence" course is offered by the Learning Resource Center. A main goal of this 25-hour course is to make computers more useful. Another goal is to understand the principles that make intelligence possible. For more information call the LRC 876-1061/1416.

## New officer orientation

A mandatory orientation for newly assigned officers will be held from 8 a.m. to noon Aug. 23 in room A-241, building 5250. Newly assigned warrant officers and commissioned officers (O-1 through O-5) who have not attended a previous orientation are required to attend.

## Bowling leagues

Winter bowling leagues are forming so bowlers can sign up for the league of their choice. Sign up at the Bowling Center, building 3707 or call 876-6634. For A&R and Intramural Leagues, active military should sign up with their company A&R officers.

## Carpool Hotline



Call 876-1500 to place your free carpool ad

Hazel Green

Ride wanted from Hazel Green to 7471, hours 7:30-4. Pam Kegley 876-1018.

## Training opportunity

International Training and Communication, a non-profit educational organization, provides an opportunity to improve speaking skills. It can also enhance ability to plan and organize, teach leadership skills, and offer constructive criticism techniques. ITC members are given training credit and time to attend meetings held twice monthly at the NCO Club from 11 a.m. to 1 p.m. For more information call Patsy Johnson 876-5494 or Ginger Stephens 876-4163.

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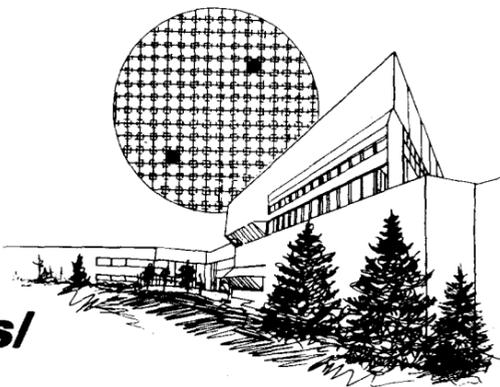
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