

Redstone Rocket

Vol. 38 No. 28

Published in the interest of personnel at Redstone Arsenal, Al.

July 12, 1989

Former Redstone couple leave blooming donation

BY SANDA LAGER

Grady and Lois Kennedy have never seen the day lilies blooming at the Huntsville-Madison County Botanical Gardens. Day lilies they once had planted on open land they owned in southeast Huntsville — more than 1,500 of them.

The Kennedys had been involved in the early planning for a botanical garden in Huntsville and planned to donate their plants to the new gardens. Their intention was to stay in Huntsville; but when ill health struck, the former Redstone Arsenal employees were faced with no longer being able to care for their plants, and a move out of the area was needed for health reasons.

So over a two-year period, 1987-88, volunteers from the Federated Garden Clubs, the Botanical Gardens Society and others built the new flower beds, dug the day lilies, labeled them and replanted them at their new home at the Botanical Gardens, located just south of Bob Wallace Avenue and Patton Road.

"Grady was instrumental in helping find a site," said Rosa Van Valkenburgh, a volunteer at the gardens who now oversees the care of the day lilies.

The Army donated the land to the city of Huntsville, who in turn leased it to the Botanical Gardens. The gardens opened to the public in May of last year.

The Kennedys moved to Florida in 1988. Lois Kennedy has rheumatoid arthritis; Grady Kennedy became paraplegic in 1986.

"We hated to leave Huntsville. We lived there 30 years and had lots of friends," said Lois Kennedy from their home in Florida.

"It was like leaving family when we left Redstone Arsenal. We knew so many people for so many years," she said.

"But we had to take care of our health," she said, explaining that her condition has now improved to the point where she can perform basic housework and care for the two of them.

"The salt water helps my condition. I can get in the water and I feel better and better," she explained.

Grady Kennedy started work at Redstone Arsenal in 1956, first in the Civilian Personnel Office, then at the Research and Development Directorate, and finally as "Secretary of the General Staff during the lifetime of



SHOW OF COLOR — Recent rains have produced a brilliant display in the day lily garden at the Huntsville-Madison County Botanical Gardens. More than 1,000 varieties of day lilies are represented in the collection, which were donated by former Redstone Arsenal employees.

the Research and Development Command," he said. He retired in 1979.

Lois Kennedy worked in Finance and Accounting for 27 and a half years — from 1958 until 1984, when she, too retired.

Grady Kennedy designed the beds for the day lilies

at the gardens when they donated them. There are five rows with six semi-circular beds and each bed contains approximately 50 plants. Most are of a different variety, but there are some duplicates, said Van Valkenburgh.

(See Donation, cont'd on page 3)

Researchers for European war museum visit Redstone

BY SKIP VAUGHN

Two Frenchmen visited the Redstone Scientific Information Center on July 3 to do research for a European World War II museum which will open in 1991.

"We are interested in the Peenemuende archives which are kept here in the RSIC," said Yves Le Maner, a professor of modern history from the University of Lille in northern France. The other visitor was Roland Hauteville, a private historian who specializes in rocketry and German programs during the war.

The museum will be installed inside a large concrete dome which was originally designed by the Germans to serve as a launching site for the V2 rocket. The dome, located in Wizernes, France, 20 miles from the channel coast, is the remains of a facility which was never used because of bombing by the Allies that destroyed its railroad works.

The launching site was about 70 percent complete and, when completed, would have used some 400,000 tons of concrete, according to Hauteville.

This will be the first museum of its type in Europe, Le Maner said. France and other members of the European community are financing the museum for about \$7 million. The European Museum of the Second World War is to include films, slides, and also models of German V1 and V2 rockets. The rockets

(See Museum, cont'd on page 14)



RESEARCHERS — Sybil Bullock, the RSIC director, talks with the visiting Frenchmen: Hauteville, left, and Le Maner.



Vehicle decals

Editor:

I work for a local research-engineering firm, answering contracts with offices on Redstone Arsenal. Redstone requires decals that permit me access to the post for official business matters.

In the past, this has presented no problem, and I have gladly conformed to whatever the Arsenal felt was required. However, this year the Arsenal is requiring something different, which I feel deserves rethinking on their part.

It concerns the application position of the access decals. In the past, vehicle decals were required to be placed on the inside of the windshield in the approved lower left corner. This protected them from weather influences and from the casual observer who sees them, and yet gave gate guards the visual signal they needed to grant Arsenal access.

Now we are required to place our decals on the outside of the windshield, where they are certainly easier to remove when the time comes for renewal, but they are also vulnerable to weathering and bird droppings, etc.

Most importantly, this position also leaves them open to that same casual observer who might decide to remove the sticker for us, replace it on their own vehicle, and thereby gain access to the Arsenal.

The "sticky" on these new decals should be placed on the opposite side so they can be installed on the inside of one's windshield. I, for one, won't mind going back to get some decals that I feel are safe not just for me, but also for Redstone Arsenal. That is the object after all, isn't it?

**Barbara J. Robinson
Huntsville**

Editor's note: The vehicle decals you are referring to are the new Department of Defense standardized decals which happen to have glue on the back rather than the front. Installations throughout the Department of Defense have a choice of whether to apply the decal to the windshield, like Redstone does, or to the bumper which would make it more difficult for gate guards to read. Since the glue is on the back, the decals have to go on the outside of the windshield. Redstone began issuing the new decals this year to new workers and for new vehicle owners. The decals will be gradually phased in over the next three years as current decals expire, according to Lt. Col. Elton R. Stephenson, the provost marshal. Current decals are still good until their expiration date, not only at Redstone but at other installations as well.

THE REDSTONE ROCKET

Editorial Offices . . . 876-1500

Advertising Offices . 539-3980

The *Redstone Rocket* is published weekly on Wednesday. The publisher will receive editorial content for publication in the *Redstone Rocket* through the Public Affairs Office, Army Missile Command, Redstone Arsenal, AL 35898, Bldg. 5250, Room A-134. Extension 876-1500.

The Advertising Office of the *Redstone Rocket* is located at 108-B South Side Square, Huntsville, AL 35801, phone 539-3980. Post Office Box 5351, Zip 35805.

Advertising deadline for display and commercial classified is 5 p.m. Friday before the Wednesday publication.

The *Redstone Rocket* is distributed free of cost to personnel at Redstone Arsenal, NASA, and Industrial Park, Huntsville. Mailing rates off post for the *Rocket* are \$20.00 a year, tax included.

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Likes hospital

Editor:

I have had the opportunity to receive services from the Fox Army Community Hospital four times within the first three weeks that my family has been in Huntsville. The first two were weekend visits to the emergency room with my children. The third was for a "blue card" from pediatrics. The last was for myself. Even at 3 o'clock in the morning the emergency room was well staffed with courteous, knowledgeable personnel who were eager to treat my children. At 11 o'clock on Friday, June 30 I received a delayed letter requiring that three items of my physical exam be forwarded to DA with a suspense of 30 June. Thanks to the able assistance of Ms. Marvelee Durham, patient representative, Capt. Pinelli in optometry, and Dr. Cooke in family practice, the three tests were performed that afternoon and I was able to fax the results to Washington to arrive on time.

The level of support and care from the Fox Army Community Hospital that my family has experienced has been superb. Many thanks to the hospital staff.

I also would like to remind Lt. Col. J. R. Palmer, ASAR (retired), (June 28 Mailbox) that even though he has 46 years experience using Commissary facilities, that our mutual acceptance of substandard performance or maintenance will simply preserve the status quo. I am not out to make enemies. I have stated my opinion about the appearance of the Commissary and a more efficient use of available check-out space to make grocery shopping a more pleasurable experience. I will soon be a resident of Huntsville and plan to be proud of it, just as Lt. Col. Palmer appears to be.

**Kenneth L. Jones
Austin, Texas**

Went beyond duty

Editor:

There are no words to express my heartfelt thanks to the many friends and co-workers who attended my late husband, Bobby J. Linville's memorial service at Redstone Arsenal's Post Chapel. It gives us all a

warm, proud feeling to know that the people that Bobby admired and respected in his duties had the same reciprocal feelings for him. My daughter, Theresa, and I attended church synchronized with everyone here which made us feel closer and a part of your tribute, even though we were in No. Tonawanda, New York.

A special thanks to those who gave a personal touch to all the work that had to be done to see that everything was done in a professional manner. They were: Mrs. Manley, SSgt. Markell, 2nd Lt. Daniels, Capt. Boyd, 1st Sgt. Kajut, and the entire staff of D.C.D. who expedited the entire process with speed and care.

To MSgt. Raymond D. Speer, Bobby's dear friend, co-worker and confidant: there just are *no* means or way to express my feelings. He cared for Bobby 24 hours a day, from the time he found him, till he delivered him personally into the arms of his loved ones back home. As they say in the military, he went "far and above the line of duty." For this I'll always remember Ray with admiration and love, just as his friend will.

"Perhaps you sent a lovely card,
Or sat quietly in a chair.
Perhaps you sent a floral piece,
If so we saw it there.
Perhaps you spoke the kindest words,
As any friend would say.
Perhaps you were not there at all,
Just thought of us that day.
Whatever you did to console our hearts,
We thank you so much whatever the part."

Patricia A. Linville

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.



SPECIAL RECOGNITION — Bill Friday, a research physicist in the Missile Command's Directed Energy Directorate, receives an award from Gen. Louis Wagner, commander of Army Materiel Command, in recognition for his work with Boy Scout troops. Friday, with assistance of Boy Scouts from Huntsville, has been providing bluebird houses on post since 1977. Maj. Gen. Gus Cianciolo, the MICOM commander, looks on as Friday receives the award June 28 in Washington at the AMC commander's fifth annual recognition day.

MICOM civilian selected for Army War College

BY SKIP VAUGHN

A Missile Command civilian is one of two civilians Armywide selected to take the Army War College correspondence course.

Dr. Bruce Fowler is technical director and deputy in the Advanced Systems Concepts Office of the Research, Development and Engineering Center. When he was promoted into this position about a year ago, his superiors suggested that he apply for the Army War College which is the senior school in the Army.

The Army War College, located at Carlisle Barracks, Pa., provides leadership training for colonels or their equivalent. It has both a resident program and a correspondence program. The mostly military school each year selects two Army civilians for the correspondence course. Fowler was notified of his selection in May and started the two-year course by mail in June. It will continue through the end of July 1991.

"It's a great honor," Fowler said, referring to his being one of two civilian selectees Armywide and the only one from Army Materiel Command. "I would have to say at least six weeks into this, it's a positive experience."

The course is oriented toward the study of Army policy, development of policy, and generally how the Army is run. "My impression is this is sort of a graduate school for general officers," Fowler said. Military graduates are likely to become general officers, he added. The vast majority of the students are military members. It is fairly common for top National Guard or Reserve officers to take the correspondence course.

Fowler, 40, receives a stack of reading material about every six weeks. These include syllabuses from the war college, field manuals and books with the accompanying reading assignments (generally the entire package) and writing assignments. The package he received in early June assigns him to write three essays

which will together represent about 3,000 words. Fowler will be required to travel to Carlisle Barracks for two residential periods: two weeks in June 1990, and two weeks in July 1991.

"It's sort of like reading non-fiction, if you will, but that's what you deal with when you're dealing with management issues," he said. "That's not to say it's not interesting, it's very interesting. It also gives you historical perspective of the way the Army has been run in the past. They're very heavy on material that has been written by retired general officers."

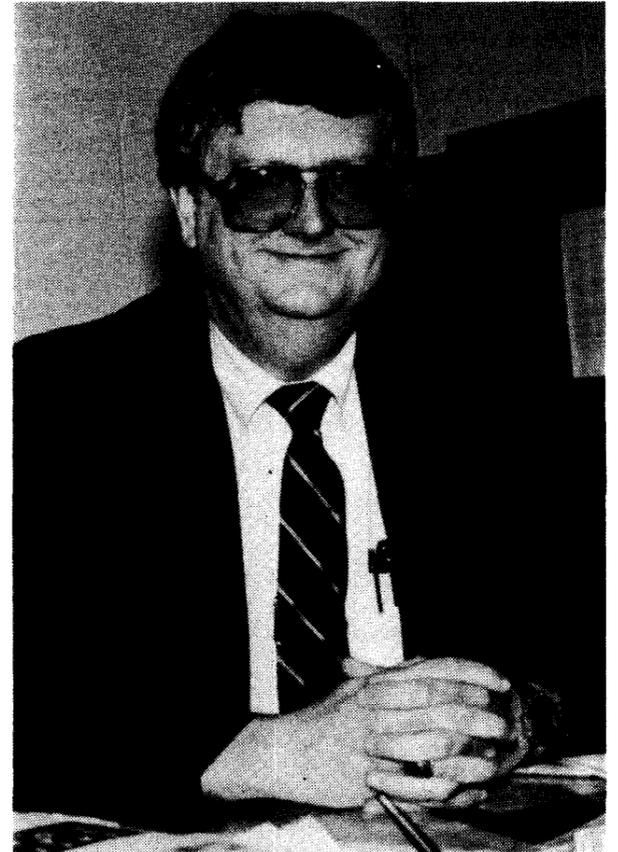
Fowler was born in Gadsden and raised in Huntsville. His parents, James K. and Christine Fowler, reside in Marshall County. His father retired in 1980 from Procurement Directorate and his younger brother, Jeffrey, works at Procurement. A 1966 graduate of Lee High School, Fowler earned a bachelor's degree in science and chemistry from the University of Alabama in 1970, a master's of science and physics from the University of Illinois two years later, and a doctorate in physics in 1978 from the University of Alabama in Huntsville.

He was a systems analyst at Brown Engineering Co. for two years before coming to work at advanced systems concepts office in 1974 as a GS-11 physicist. "We think up the new weapon systems concepts for MICOM, we try to figure out what systems we're going to be building 25 years from now," said Fowler, a GM-15 manager.

Fowler enjoys reading science fiction and is writing a book on the technical side of fighting a war. He began writing the book about two years ago and so far it is "somewhere between two-fifths and a third done," he said. Fowler is a part-time associate professor of physics at the University of Alabama in Huntsville. He and his wife, Carol, have a daughter, Teri, 8.

"I hope it (the Army War College) teaches me more about working with people and being a good super-

visor, a good manager, doing better for the Army and for the nation as a whole," Fowler said. "I went to school to learn how to be a good engineer, but not about leadership and management. And so far I've found it to be challenging and fun."



FOWLER

Donation

(Cont'd from page 1)

"The key to having beautiful lilies is rain," she said, which apparently accounts for the show the lilies are now putting on.

Day lily, whose botanical name is *hemerocallis*, means "beauty for a day" in Greek, an apt description, since a lily blossom lasts only one day before it expires. With each plant containing "approximately 40 buds," according to Van Valkenburgh, the gardener is well-rewarded by planting this perennial plant.

Day lilies begin their blooming season about May and continue their display well into autumn, Van Valkenburgh said.

"Knowing our day lilies are beautiful there is our dream coming true. Huntsville was good to us and we wanted to give something back in return," Lois Kennedy said.

The Kennedys have three sons and one, William Earl, lives in Huntsville and works at the Air Defense Command and Control Systems Project Office. They also have three grandchildren.

Value engineering symposium scheduled

The Missile Command will hold a Value Engineering Symposium entitled "VE — The Competitive Edge in Contracting" on July 27-28 at the La Mansion del Rio Hotel, San Antonio, Texas.

"The purpose of the symposium is to educate contractors about the VE Program and to encourage them to adopt a strong VE policy within their companies. The symposium will also be beneficial to government personnel who evaluate and/or process Value Engineering Change Proposals," said Tom Reynolds, MICOM VE program manager.

Invitations were sent to 250 MICOM contractors,

the Army Materiel Command's major subordinate commands, and all organizations within MICOM.

The featured MICOM speakers include Maj. Gen. Gus Cianciolo, commanding general; Col. Bruce Garnett, Patriot project manager; and Lt. Col. William Bond, deputy of procurement.

The contractor speakers include Dr. Seymour Zieberg, vice president, Martin Marietta; Eric Levi, vice president and assistant general manager, Raytheon Company; and Paul Nelson, value management office, Boeing Aerospace.

For more information, call the Command VE Office at 876-8161.

Chief of ordnance to get second star

ABERDEEN PROVING GROUND, Md. — The commandant of the U.S. Army Ordnance Center and School and chief of ordnance has been selected to be promoted to major general.

James W. Ball is among 39 officers approved for promotion by the president. Their names have been

submitted to the Senate for confirmation, according to an Army message released June 29.

Ball, a native of Mississippi, has been serving as the chief of ordnance since August 1988. Prior to assuming command of the U.S. Army Ordnance Center and School he was serving as the program executive officer, combat support vehicles, U.S. Army Tank-Automotive Command.

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R O .

Expires: 7-18-89

Local church choir sings on Kenny Rogers album

BY SANDA LAGER

The release of Kenny Rogers' new album two weeks ago had special significance for one Redstone soldier: the church choir of which he is a member sings the background music on the album's title cut.

Sgt. Andre Hope, ward master of the north wing at Fox Army Community Hospital, has been singing in church choirs since he was 14 years old, he said.

Hope began singing with the First Seventh Day Adventist Church Inspiration Choir when he arrived at Redstone, just over two years ago.

The choir does guest performances in churches around the Southeast. During their performance at the Living Flag concert last July at the Whitesburg Baptist Church, a Rogers scout heard them sing.

The scout then contacted choir directors Cleveland and Antoinette Wilson and arrangements were made for the choir to record the background music for the album, "Something Inside."

"We don't see ourselves as anyone great. We just do what the Lord leads us to do," Hope modestly said of the choir's opportunity to sing with one of country music's most successful artists.

The 75-member choir recorded their portion of the song at a recording studio last summer in Huntsville. Rogers was not present, but his brother was, said Hope.

"His brother looks just like him, and everyone got real excited when he came in because they thought it was Kenny," he said.

"We were given the music prior to the recording, and we had studied it and gone through it several times, but we had to wait until the actual recording session to find out exactly how they wanted us to do it," he said.

Hope said they practiced for about four hours, and

were able to perfect their performance on the second take — an incredible feat — since they were told by people at the studio that it normally takes "24-25 hours to get one right."

"Something Inside" is the name of the album, as well as the name of the song the choir sings in. It is a religious song, but none of the other songs on the album are.

"The song's message is that regardless of what goes on around you, as long as you have the Lord you keep right on going, keep on truckin'," Hope said. "I sing in the bass section. My range is baritone-tenor."

The payment received from Warner Brothers Records in Burbank, Calif., will be used by the choir to purchase robes for those members who do not have them and to help defray their traveling expenses.

"Our choir is completely self-supporting. We operate by having cookie and bake sales, giving concerts where we accept donations, and various other kinds of fund-raisers," Hope said.

Asked if he has any plans to start a new career in the recording field when he retires from the Army 20 months from now, Hope responds with a resounding "no."

"I just enjoy choir singing. I never think of my singing as anything beyond that.

"My plans are to get a paramedic certification and an associate degree in physician assistance. Then I want to open my own rescue service in Colorado," he said.

Now single, Hope is the father of three children. His hobbies are hiking, camping and long distance running. For the past eight years he has run a marathon race in Honolulu, Hawaii, which he plans to participate in this year the second Sunday in December.



ON TITLE SONG — Hope holds the "Something Inside" cassette tape and a reproduced copy of the check paid the First Church Inspiration Choir for work on Kenny Rogers' latest album.

Reforger exercise canceled for 1989

WASHINGTON — The 1989 Return of Forces to Germany exercise commonly called Reforger has been canceled.

Cancellation of the exercise is part of the Reforger Enhancement Program announced earlier this year. NATO Commander Gen. John Galvin said also that the decision was based partly on German appeals to help protect the environment there.

Conducted 20 times since 1967, Reforger is an annual strategic deployment and maneuver exercise designed to demonstrate U.S. ability to reinforce NATO; to honor a 1967 agreement between the United States, the United Kingdom and West Germany, and to enhance the combat capability of both deploying and in-theater forces in Europe.

Instead of Reforger 89, a series of smaller maneuvers will be conducted by troops already stationed in Europe.

The Reforger Enhancement Program will integrate

new computer simulation technology, command post exercises and field training exercises. Also, a "command field exercise," which encompasses aspects of both a CPX and an FTX, will be used. A command field exercise focuses on the training of commanders and their staffs at different levels rather than on evaluation of the tactical and technical skills of soldiers in the field.

Scheduled for January-March 1990, the enhanced Reforger will still enable the United States to deploy significant numbers of soldiers from CONUS. However, officials say, using the mix of simulations, FTX's, CPX's and CFX's will reduce the number of troops actually in the field. This will consequently lower maneuver damage, which has become a major issue with the German public over the past few years.

Officials say Reforger will continue to exercise all the logistical and administrative tasks of moving large forces from the United States to Europe. (Arnews)

Soviet inspectors revisit Redstone

Soviet inspectors last week made their fourth visit to Redstone under terms of the Treaty on Intermediate Range Nuclear Forces.

The 10 men arrived at 6:45 p.m. Thursday and left at 1:30 p.m. Friday. They visited the launcher repair facility.

Pershing, a missile system managed at the Missile Command, was among the systems the U.S. agreed to eliminate under the INF treaty. Since the treaty went into effect in June 1988, Soviet inspection teams have visited Redstone Arsenal four times as part of a continuing process by which both the U.S. and Soviet Union inspect and verify compliance with the treaty.

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11-571 RADAR SYSTEMS MW 4:30-6:40 p.m.
An introduction to the theory and applications of modern radar systems. Background: basic knowledge of signals and systems. Instructors: Stephen M. Gilbert, Ph.D.; Consultant; Larry D. Bennett, D.Sc.; U.S. Army MSIC.

11-581 DIGITAL SIGNAL PROCESSING MW 4:30-6:40 p.m.
A study of signal processing, with an emphasis on discrete-time techniques. Background: basic knowledge of signals and systems. Instructor: William J. Barksdale, Ph.D.; South TEC Associates.

14-521 MISSILE AERODYNAMICS MW 6:50-9:00 p.m.
An introduction to aerodynamics, with an emphasis on atmospheric flight of missiles. Background: basic knowledge of fluid-thermodynamics. Instructor: Terry F. Greenwood, Ph.D.; NASA Marshall Space Flight Center.

14-553 ORBITAL DYNAMICS AND CONTROL TT 6:50-9:00 p.m.
A study of the dynamics and control of orbital platforms and vehicles. Background: knowledge of mechanics and differential equations. Instructor: John R. Glaese, Ph.D.; Control Dynamics Company.

17-504 COMPUTER ORGANIZATION TT 4:30-6:40 p.m.
An introduction to the organization and assembly programming of computers. Background: basic knowledge of programming and computers. Instructor: J. B. White, Ph.D.; General Electric Company.

17-512 SYSTEM SOFTWARE MW 6:50-9:00 p.m.
An examination of assemblers, loaders, macro processors, compilers, and operating systems. Background: knowledge of programming and computers. Instructor: Bobby C. Hodges, M.S.E.; Grumman Corporation.

17-522 ADA SOFTWARE DEVELOPMENT Sat. 8:00-12:00 noon
A study of the Ada programming language and its use in large-scale software development. Background: knowledge of structured programming; Pascal desirable. Instructor: Marvin Polan, M.Sc.; Teledyne Brown Engineering.

24-532 DECISION ACCOUNTING MW 4:30-6:40 p.m.
An examination of accounting information for managerial decision-making. Background: basic knowledge of accounting desirable. Instructor: Richard H. Shuford, Jr., D.B.A.; Business Consultant.

24-552 GOVERNMENT CONTRACTS MW 6:50-9:00 p.m.
An introduction to contracts administration emphasizing contracting by and with the Federal government. No particular background required. Instructor: Eugene R. Andrzejewski, M.B.A.; Teledyne Brown Engineering.

27-634 DEFENSE SYSTEM TECHNOLOGIES TT 6:50-9:00 p.m.
A seminar on technology concepts and issues in defense system development. Background: basic knowledge of defense systems. Instructor: Raymond C. Watson, Jr., Ph.D.; Southeastern Institute of Technology.

27-671 R&D MANAGEMENT TT 4:30-6:40 p.m.
A seminar on management problems in research and development programs and organizations. Background: studies or experience in management. Instructor: Julian S. Kobler, J.D., D.Sc.; Management Consultant.

31-504 QUANTITATIVE ANALYSIS/CALCULUS Sat. 8:00-12:00 noon
A survey of mathematical methods, including calculus, with management applications. Background: knowledge of college algebra. Instructor: Raymond C. Watson, Jr., Ph.D.; Southeastern Institute of Technology.

31-561 NUMERICAL COMPUTING TT 6:50-9:00 p.m.
A study of numerical methods and computer algorithms for scientific programming. Background: knowledge of calculus and programming. Instructor: Robert R. Covelli, S.M.; John M. Cockerham & Associates.

34-544 LASER ELECTRONICS TT 6:50-9:00 p.m.
An introduction to laser theory, devices, characteristics, and applications. Background: basic knowledge of optics and electromagnetics. Instructor: Neil E. Chatterton, Ph.D.; Teledyne Brown Engineering.

SHORT-TERM COURSE

RADAR PRINCIPLES & APPLICATIONS Oct. 2-5, 8:00-12:00 noon
An intensive introduction to radar theory with applications in tactical and strategic defense systems. Primarily for non-radar engineers, system analysts, and technical managers. Instructor: Stephen M. Gilbert, Ph.D.; Consultant. Fee: \$500.

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TENTATIVE SCHEDULE

LATE FALL TERM 1989	WINTER TERM 1990
11-531 Communication Electronics	11-617 Millimeter Wave Systems
11-675 Electronic Countermeasures	11-671 Advanced Radar Systems I
14-512 Aerospace Structures	14-612 Aero. Structures Design
14-544 Missile Guidance & Control	14-642 Missile Design/Simulation
17-531 Artificial Intelligence/Lisp	17-524 UNIX System/"C"
17-561 Computer Telecommunications	17-551 Microprocessor Systems
17-571 Software Environments	17-661 Computer Data Networks I
17-626 Dynamic Simulation	17-674 Software Economics
24-541 Decision Economics	17-691 Tutoring Systems
24-655 Procurement Regulations	24-501 Management & Behavior
27-621 Project/Program Management	24-635 Managerial Finance
27-631 National Security Environment	24-652 Management of Contracts
31-505 Statistics & Probability	27-624 System Engrg. Functions
31-544 Mathematics of Signal Analysis	27-636 Intelligence & Security
34-501 Foundations of Physics	31-503 Intermediate Analysis
34-531 Optical Sensor Systems	31-616 Prob. & Random Variables
	34-637 Optical Propagation
	34-671 Particle-Beam Systems
EARLY SPRING TERM 1990	LATE SPRING TERM 1990
11-611 Antennas & Arrays	11-535 Communication Systems
11-672 Advanced Radar Systems II	11-681 Adv. Signal Processing
14-571 Rocket Propulsion Systems	14-501 Materials & Mechanics
17-515 Information Systems	14-671 Advanced Solid Rockets
17-623 Object-Oriented Programming	17-508 Data Structures
17-647 Reliable Computing	17-525 Simulation Methodology
17-662 Computer Data Networks II	17-641 Computer Sys. Structures
24-553 Cost & Price Analysis	17-673 Software Verification
24-623 Strategic Management	24-613 Legal/Ethical Environment
27-625 System Modeling & Analysis	24-645 Economics of Defense
31-504 Quant. Analysis/Calculus	27-673 Managing Engr. Functions
31-617 Applied Stochastic Proc.	31-506 Discrete Mathematics
31-641 Dynamical System Mathematics	31-525 Operations Res. Modeling
34-561 Nuclear Weapon Phenomenology	34-504 Applied Electromagnetics
34-631 Advanced Optical Sensors	34-642 Optical Computing
SUMMER TERM 1990	
11-504 Systems & Signals	24-665 Alternative Management
11-627 Electronic System Design	27-501 Engineering Economics
14-504 Fluid-Thermodynamics	27-541 Cost Estimating Tech.
14-654 Spacecraft Attitude Dynamics	31-626 Adv. Operations Research
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Soldiers celebrate patriotism at special prayer breakfast

About 375 soldiers attended a special Patriotic Prayer Breakfast at 6:30 Wednesday morning, July 5 at the Post Chapel.

Sherry Owen described the feelings and emotions at this ecumenical event by presenting the following words, "How many places can you do as you please? How many countries can you fall on your knees — and pray? Where can you speak out in a democracy? What other land can you be free?"

"I'm proud to be an American and live where I do," she continued. "I love to salute that good ol' red, white and blue. Oh yes, I'd like to live 1,000 years in peace and harmony. But most of all, I'm just proud to be free!"

The service began with the presentation of the colors, Pledge of Allegiance, and everyone singing the national anthem. Chaplain (1st Lt.) Gary Bragg conducted the service along with Lt. Col. John Hostettler, commander of 832nd Ordnance Battalion, leading everyone in reciting the Reaffirmation of the Oath of Allegiance to the United States of America. Capt. Gasper Gulotta, commander of B Company, 73rd Ordnance Battalion, was the featured speaker. Owen provided special music and piano accompaniment for the singing of patriotic songs.

An ecumenical prayer breakfast is held each Wednesday at 6:30 a.m. at the Post Chapel on Patton Road. All personnel — civilians and military — are welcome to attend.



PATRIOTIC EVENT — Soldiers fill the Post Chapel for last week's special prayer breakfast.

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Service members have many rights in justice system

BY EVELYN D. HARRIS
American Forces Information Service

"Soldiers, sailors, airmen and Marines have perhaps more rights when suspected of an offense than civilians," said Lt. Col. Steve Smith, deputy chief, Criminal Law Division, Department of the Army Judge Advocate General.

"For example," said Smith, "if a commander has heard that a soldier has written a bad check and wants to question him about it, he has to advise the troop of the nature of the offense, the right to remain silent, the right to appointed counsel free of charge and the right to hire his own counsel at no cost to the government before he asks him anything. A civilian does not have to be advised of his rights (known as the Miranda rule) until he is actually in police custody."

Not only does a service member have the right to free counsel from the beginning, but in most of the services, the appointed lawyer is from another organization to ensure independence. A further protection comes from the requirement that during most military trials, a verbatim record must be kept. This record will be reviewed in its entirety should the case go to a higher court. In civilian cases, the verbatim record is prepared only for those points identified as having a possible error.

Service members' broad rights continue after a judgment has been rendered. In 1950, Congress established the Uniform Code of Military Justice to ensure a fair system. Under this code, a Court of Military Review must review the record for each case of trial by court-martial in which the sentence was death, dismissal, dishonorable or bad-conduct discharge or confinement for one year or more, unless the right to appellate review has been waived. However, the right to appellate review cannot be waived if the sentence extends to death.

The Court of Military Review looks at the complete record of the trial for both matters of law and fact, said Smith. "Matters of law are what lay persons would refer to as technicalities," said Smith. "For example, if the accused did not have his or her rights read before questioning, that would be a violation of a matter of law."

"Matters of fact are actual matters of guilt or innocence," said Smith. "The court weighs the evidence, judges the credibility of the witnesses and looks at the arguments from both sides of the case to see whether it can affirm — agree with — the outcome of the case."

No member of the Court of Military Review can review a case if he or she was involved in any way with the original trial. Smith said this provides one more layer of protection for military defendants since a different lawyer acts as the defendant's advocate. "Military review lawyers can, and do, find that the original lawyer did not do the most competent job possible. In contrast, a civilian is frequently represented by the same lawyer as the case goes higher. A lawyer is not likely to argue that he did not do a good job in the earlier trial," said Smith.

The judges on the Court of Military Review are senior military officers — at least O-5s. Even if the Court of Military Review affirms the verdict and sentence of a capital case (one involving a death sentence), the United States Court of Military Appeals, whose judges are civilians, must review the case. Said Smith, "Civilian review at the highest level provides a further guarantee of the fairness within the military justice system."

The appeals court was established under Article I of the Constitution of the United States. It consists of three judges appointed from civilian life by the president for a term of 15 years. No more than two of the judges can be members of the same political party. Currently, two of the judges, Robinson O. Everett and Walter T. Cox III, are Democrats; the third, Eugene R. Sullivan, is a Republican. For administrative purposes only, the court is under the Department of Defense. But Smith emphasized that by no means does it merely rubber-stamp the decisions of the lower level military courts.

In addition to cases involving death sentences, the Court of Military Appeals reviews cases certified to it by the Judge Advocate General and cases in which the accused has petitioned for review and given good cause.

The Court of Military Appeals reviews cases for errors of law only. The court can affirm the finding of the lower court, set aside the findings as incorrect in a matter of law and order a rehearing or order that the charges be dismissed. Also, because there is a verbatim record, lawyers on the staff of the Court of Military Appeals may find errors in the conduct of the case — called specified errors — that neither the trial nor appellate lawyer challenged.

Since 1984, decisions of the Court of Military Appeals have been subject to review by the United States Supreme Court. Smith said this rarely happens, but the possibility of Supreme Court review provides further assurance of justice for military members.



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New awards program honors communities

WASHINGTON — Army communities now have a new awards program aimed at helping them excel in facilities and services.

Conducted by the Army's deputy chief of staff of personnel, the award will recognize excellence in three categories of personnel support: military personnel, civilian personnel, and soldier and family support services.

The Deputy Chief of Staff for Personnel Army

Communities of Excellence awards program consists of a \$25,000 annual award and DCSPER certificate of achievement. Installations competing for the awards must meet award criteria and evaluations by DCSPER personnel.

Guidelines for the competition will be contained in a pamphlet to be issued soon. Additional awards program information can be obtained from Ed Canady at (202) 695-5831/5022. (Arnews)



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To place a *Rocket Classified* ad:

Type or legibly print a brief description of what you want to sell on an 8½ x 11 inch piece of paper (no 3 x 5 cards or torn paper will be accepted).

Only home numbers will be listed in the advertisement. No office phone numbers will be accepted. Sign the ad, and list some type of identification, such as a building number, badge number, etc.

The deadline is 5 p.m. on Friday before the Wednesday publication. Ads will run for one week only. You may resubmit them.

The *Redstone Rocket* will not accept classified ads for business. A business classified ad or for those who are not military or civil service is \$5.75 (1 column x 1¼ inches, bordered, about 20-30 words).

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

Mail *Rocket Classified* ads to: Sara Grant & Associates, Attn: Redstone Rocket Classifieds, P.O. Box 5351, Huntsville, Alabama 35801.

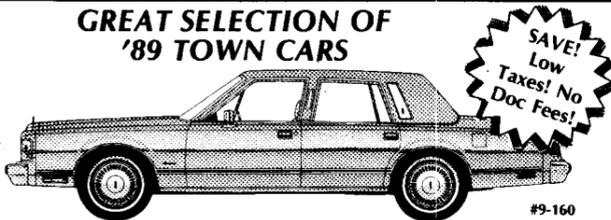
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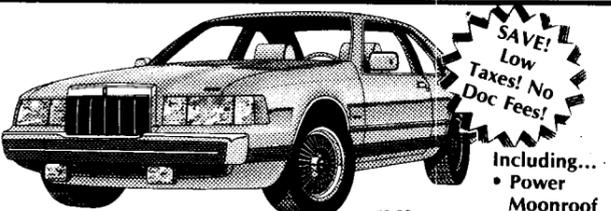
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Moving your car in the high PCS season — take note

BY MASTER SGT. MARY A. PETERSON, USA
American Forces Information Service

Each year, thousands of service members and their families and millions of pounds of personal belongings move around the globe, particularly during the summer months. During this peak season, thousands of vehicles are processed at the 10 Military Traffic Management Command's privately owned vehicle processing center the United States.

To help prepare for shipping or picking up your vehicle, the Military Traffic Management Command has published a pamphlet, *Shipping Your POV*, with all the information needed to make the "POV move" less painful. It's available at transportation offices.

If you're exporting a vehicle from the United States, a command spokeswoman said following a few simple rules will make it easier for everyone:

- The vehicle should be in a safe and operable condition and meet the emission control and safety standards of the country where you will be assigned.
- Have a valid safety inspection sticker, if required, from the state in which it is currently registered.
- Attach the emission control inspection certificate to the windshield, if required in the state of registry.
- Provide a complete set of keys.
- Have your military identification card and seven copies of your movement orders.

You cannot use the vehicle to ship personal belongings except those associated with driving safety and maintenance. Items allowed include jacks, tire irons, chains, fire extinguishers, tire inflators, first aid kits, jumper cables, warning triangles, basic hand tools, one spare tire and two snow tires with wheels, mounted or not. Also allowed are children's car seats and cribs.

Luggage racks and driving-convenience items such as thermos bottles, bottle warmers and car cushions are allowed, provided you pack them in a 24x16x16-inch carton. If the car is to be shipped in a container, securing these items is not required.

Since many countries prohibit the use of citizen band radios and similar devices, it's a good idea to check with your local transportation office. It can advise whether you must remove these from your car to ship it.

For safety reasons, the car should contain no more than a quarter tank of gas or three-quarters of a tank of diesel fuel. Any excess will be drained at the processing port. The pick-up port will provide two gallons of free fuel.

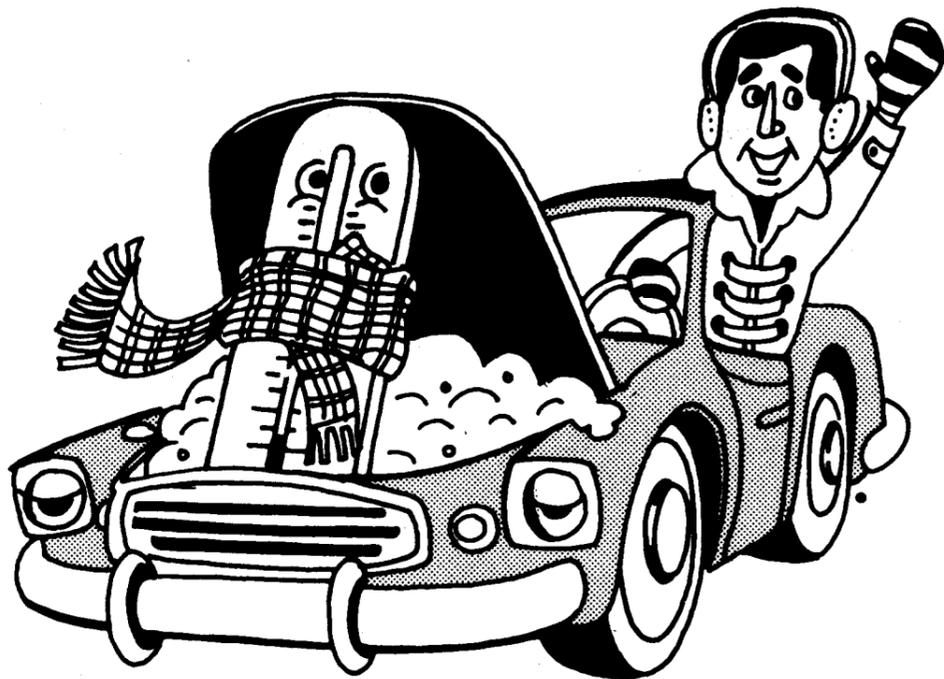
Since the car may be exposed to freezing temperatures in transit, officials recommend the

radiator contain antifreeze tested for 20 degrees Fahrenheit below zero or lower.

When you pick up your car at the port, you'll need your military ID card, the shipping document (DD Form 788) and a set of keys.

If someone will be processing your vehicle on your behalf — your spouse or a friend — you must provide that person a power of attorney or a signed statement giving authorization to do so.

Most host nations and military commands require you have a valid local driver's license and auto insurance when claiming the car at the port. The overseas ports provide vehicle registration services.



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Army divers play important role despite small numbers

A common joke among Army divers is that they first learn the meaning of "panic" when they report to training to become a *diver* and get promised their own deuce-and-a-half truck so they can be a *driver*.

Yes, the Army has divers and they occupy an important niche among soldiers around the world. Divers and the U.S. Army Troop Support Command, a major subordinate command of the Army Materiel Command, are at this time undergoing a period of intense activity to increase the modernization and readiness of diving equipment. Though small in number, Army divers play a vital role in our national defense.

The U.S. Army is made up of almost 2 million active, guard and reserve personnel. Active duty divers account for a mere fraction of a percent of that number. Over the years these 550 or so divers have received little attention as they carried out their duties in the United States, Germany, Japan, Korea and Panama. The Army diver's low density numbers resulted in low density interest and funding for several years. Divers, in a joint effort with TROSCOM, are working to improve their operational capabilities to support worldwide missions.

Two kinds of divers

In a nutshell, the Army's divers fall in one of two categories: deep sea engineer divers and special forces divers.

There are about 100 engineer divers located in seven locations around the world. They are at work daily inspecting and repairing U.S. ships, ports, dams, underwater fuel pipelines as well as carrying out various other responsibilities. Their job as professional on-site underwater demolition and construction workers saves taxpayers millions of dollars each year through avoided dry-dock and drainage costs.

Special Operations Forces (SOF) divers make up a slightly larger group of professionals with four units totaling almost 450 personnel. These divers provide a different service to our country. Trained in specialized combat operations, these divers focus on the infiltration and exfiltration of enemy territory.

Because of their extremely small numbers, the man-

ner in which Army divers have carried out their day to day procurement and logistics has been different from other parts of the Army. When diving and support equipment was needed in the past, the divers either purchased the equipment themselves or it was purchased by TROSCOM but without standard provisioning. The result was several groups of divers with several different kinds of non-standard, sometimes locally procured equipment. This created problems in training as divers transferred from one unit to another. There were no set provisions made for spare parts and upkeep. Nor was special care and storage provided for the equipment, some of which was homemade by the divers.

Corrective actions

With the concern that the divers' safety was jeopardized by the life-support equipment on hand, divers began to discuss their needs and the alternatives. According to MSgt. Stephen "Jim" Heimbach, an 18-year veteran of engineering diving at Fort Leonard Wood, Mo., the turning point was in 1986 at the World-wide Diving Conference at Fort Eustis, Va.

TROSCOM representatives were present at that conference, including Maj. Gen. Henry Skeen, then commanding general of TROSCOM. "We asked TROSCOM to do a 180 degree turn in how (diving) equipment is handled, and TROSCOM said, 'Yes, we will do whatever we can,'" said Heimbach. Interest was renewed again in March 1988 at the General Officers In Process Review. "Brig. Gen. Charles St. Arnaud was there," Heimbach added, "He has been a very active and positive force in this program." St. Arnaud is the deputy commanding general of TROSCOM.

The divers have seen that these were not idle commitments. TROSCOM created an in-house focal point for diving to study the problems related to Army divers and to implement corrective actions. Efforts to engage these problems were initiated by Lt. Col. Henry Meyer, then the chief of the Readiness Intensive Management Office and later continued by Marlene Colona in the TROSCOM Project Office. Since its

establishment in June 1988, the project office has been awl in an effort to accomplish as much as possible in their limited time frame. As she prepares to tie up the remaining loose ends of this yearlong special assignment, she explains that many improvements have been made for Army divers. According to Colona, one major accomplishment was that, "The project office got people talking to each other." She found that in the world of red tape and paperwork good lines of communication can be difficult to establish and maintain.

Diver's input

In order to streamline the communication process, TROSCOM requested that an experienced diver be assigned to work with the project office at its headquarters in St. Louis. Shortly thereafter, SSgt. Christopher Floro, a college educated engineer and Diver First Class, arrived at the headquarters of "The Soldier's Command." His expert knowledge on the topic allowed the project office to make a great deal of headway in a very short time, according to Colona. Having a diving-experienced soldier on hand saved the project office from having to constantly backtrack for information.

MSgt. James "Frenchie" Leveille, stationed at Fort Eustis, has been an Army diver for more than 15 years. He said that it was very wise to have a subject expert on hand as changes were being made. "SSgt. Floro is there and can answer the questions as they surface. If he doesn't know an answer, he knows where to get it," he said.

Improvements continue

Some of the changes include the consolidation of all diving equipment to a single depot for improved storage, handling and inventory controls. This particular improvement is expected to be completed later this year.

TROSCOM is currently completing a plan for the Care of Supplies in Storage (COSIS). As a life support system it is pertinent that this equipment is properly (See Divers, cont'd on page 12)



MAINTENANCE — Army divers perform maintenance on military ships and ports around the world.

Divers

(Cont'd from page 11)

cared for. Lt. Col. J. L. Williams, chief of Readiness Intensive Management Office, said, "diving equipment is sensitive to its storage environment and handling procedures." The COSIS Plan will delineate the necessary procedures to maintain the equipment in a safe and serviceable status.

Earl Myers is a former Navy diver and works as an equipment specialist for TROSCOM's Maintenance Directorate. He has been working several years to establish logistics support for the equipment already in the field. He said that TROSCOM has contracted for the development of publications, parts lists, and repair parts inventories for the current equipment and intends to standardize all diving equipment.

One item which has required Myers' attention is the LAR V (Lung Air Rebreather). The LAR V is a closed circuit breathing system which removes the carbon from carbon dioxide, allowing exhaled air to be "re-breathed." This equipment allows SOF divers to infiltrate enemy territory undetected because air is reused again and again instead of being released to rise to the surface of the water.

Establishing logistics for each piece of diving equipment is a time consuming task. "We've made a healthy dent but we have got to continue making improvements for some time before the job will be done right," Myers said.

These improvements have not been confined to paper. "In FY 88, TROSCOM invested \$10.21 million in diving equipment (and support), which is more than was spent in the last four to five years altogether," Colona said.

Paul Smith, material manager for diving equipment, TROSCOM Material Management Directorate, actively pursued the funds for the needed equipment. He explained however, that although he manages the equipment others played key roles in their procurement. "It was and is a good multi-directorate team effort... If we hadn't had the participation from everyone our level of productivity would have been severely hindered," he said.

When the divers were asked if they liked what they saw happening, an overwhelming *Yes!* was the response given by engineer and SOF divers alike. "Our desire was that our procurement methods, systems and logistics might be standardized as they are with other soldier's equipment," Heimbach said.

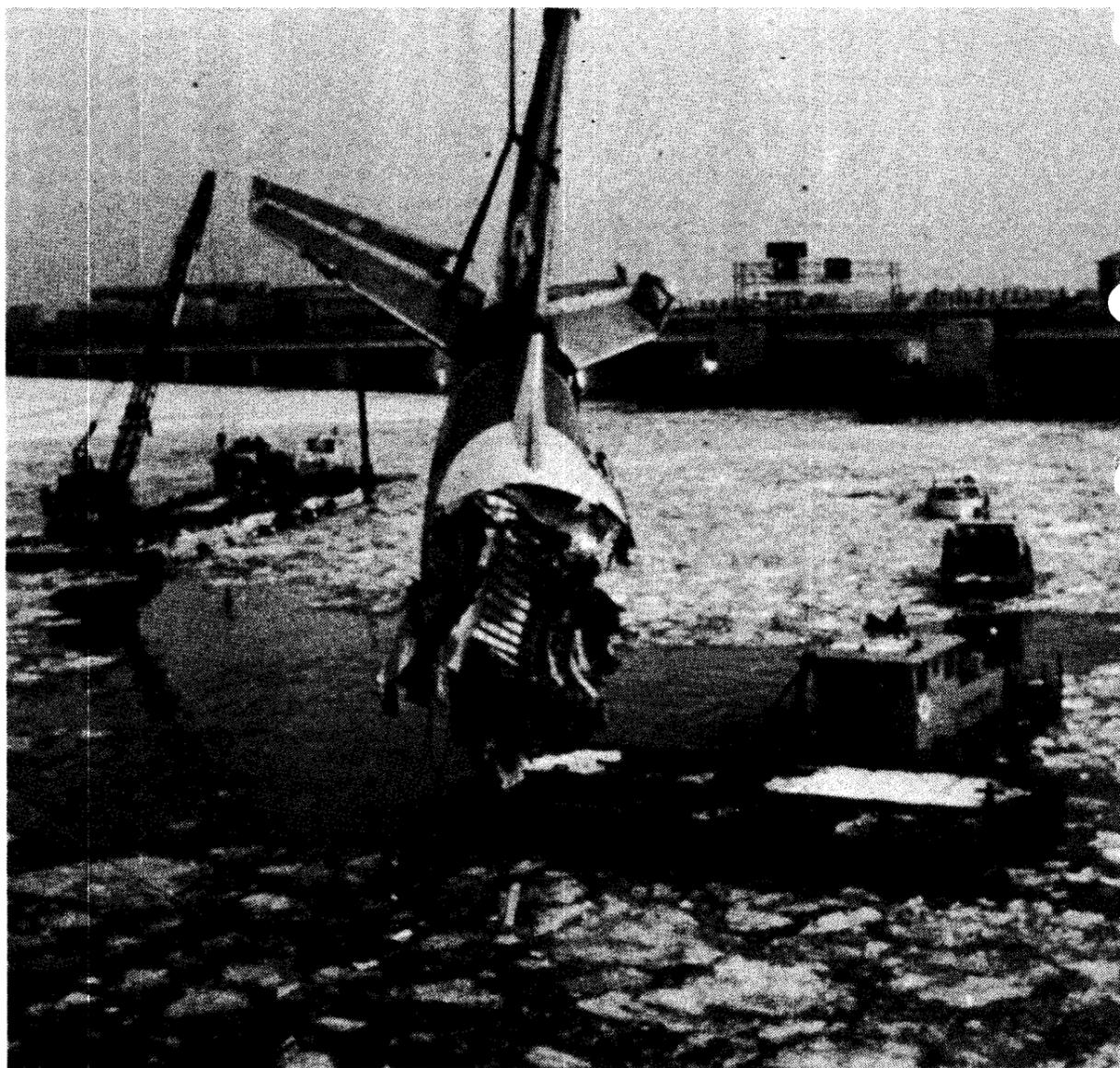
TROSCOM, with the assistance of SSgt. Floro has done that and more. One SOF representative, Maj. Steve Parsons, chief of material branch of the Combat Development Directorate at Fort Bragg, N.C., ventured to say, "TROSCOM has done more for Army

divers in the last 18 months than in the history of Army diving."

TROSCOM is "The Soldier's Command" and will continue to consult soldier "experts" as needed in an

effort to better equip and support the Army's most important system — the soldier.

(News release from U.S. Army Troop Support Command)



SALVAGE — Army divers assisted in the salvage efforts of Air Florida Flight 90 which crashed into the Potomac River outside Washington, D.C., in January 1982.

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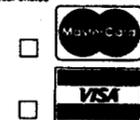
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Big contract awarded for MLRS

The Missile Command has awarded the first portion of a five-year contract worth approximately \$942 million to LTV Aerospace and Defense Co. in Grand Prairie, Texas, for production of the Multiple Launch Rocket System.

The firm fixed price contract, the second multi-year award to LTV, calls for delivery of 235 launchers and 127,000 rockets over the five years, and includes options for additional launchers and rockets.

The amount awarded last week was approximately \$176.1 million.

The Army awarded the first multi-year contract for \$1.2 billion to LTV in 1983.

MLRS is a highly mobile, automatic rocket system that consists of a 12-round launcher mounted on a tracked vehicle that can fire quickly at targets more than 18 miles away.

MLRS was developed jointly by the United States, United Kingdom, France, West Germany and Italy and is being deployed in those countries. In addition, other nations are considering purchase or possibly co-production of the system.

Col. William Hecker is MLRS project manager at Redstone Arsenal and Dennis Vaughn is his civilian deputy.

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Soldiers advised on overseas storage

WASHINGTON — Soldiers traveling to Germany and to other overseas locations need to be aware of space availability when complying with the household goods weight allowance increase authorized by the elective joint travel regulations.

According to transportation officials in U.S. Army Europe, the increase applies to soldiers whose effective date of orders is after June 30, 1989, and whose property is transported after June 30, 1989.

Though the authorization allows soldiers and their families to transport more goods, officials stress that the size of housing facilities should be considered to determine how many goods actually should be carried to military posts.

Housing in countries like Germany provide not as much storage and floor space as U.S. military posts. Unneeded goods occupy excessive amounts of living space because of a lack of closets and less cupboard space.

Goods that cannot be stored within housing units create added costs because of the expensive storage services overseas. Storage, which may be non-existent in some areas, is not provided at the government's expense.

Soldiers being stationed overseas are urged to contact unit sponsors for housing information. (Arnews)

Museum

(Cont'd from page 1)

were designed during the war at the Peenemuende research institute in Germany. The first V2 was launched against Paris in the morning of Sept. 8, 1944 and against London that afternoon.

The purpose of the museum is "to show the peaceful situation in Europe now, to show that we are far from the Second World War but also near in the memories," Le Maner said, "to show that this existed but we are a peaceful Europe."

With headphones, visitors to the museum will be able to hear presentations in their own language. The four languages to be offered include English, French, German and Dutch. A tour is expected to take from two to four hours.

"The last section of the museum will be devoted to quotation from V2 to Ariane (the new European rocket)," Hautefeville said, "which will confirm the transformation of Europe from state of crises and wars to common development for peace and space exploration."

Other places visited by the two Frenchmen in their research included the national archives in Washington, D.C., and the Space & Rocket Center in Huntsville. They also came to Huntsville to meet with former members of the German rocket team. After the war some of the Germans had been brought to the U.S., some went to Russia, and some stayed in France.

"We are quite interested in having a better knowledge of the U.S. program for space exploration

which will be part of the exhibit" at the museum, Hautefeville said.

The Frenchmen had formally requested their visit to Redstone Scientific Information Center. "They requested on the 7th of March 1989 by letter to the RSIC then we told them they would have to go through the French Embassy which they did," recalled Sybil Bullock, RSIC's director.

Besides searching through the archives, they were interested in finding the main parts of V2 rockets for exhibition in the museum. It would be "quite impossible" to find these parts in Europe because all have been destroyed by now, Le Maner said. He added that 100 V2 rockets were captured by the U.S. Army in 1945.

"I was dreaming since '43 — which means 47 years," Hautefeville said, "because I was living a few kilometers from those (German launching) sites and I was wondering what they were for. Rather rapidly, we could know what was going on."

Both Frenchmen said they were impressed by RSIC and Redstone Arsenal. From here, Le Maner planned to revisit Washington, D.C., while Hautefeville would return to Europe. "We intend to come back (to Redstone) later, maybe September or October; we don't know exactly," Le Maner said.

More than 1,500 original German rocket documents from World War II were housed at RSIC until last September when they were transported to the Deutsches Museum in Munich; copies of the documents remained in the Redstone Scientific Information Center.

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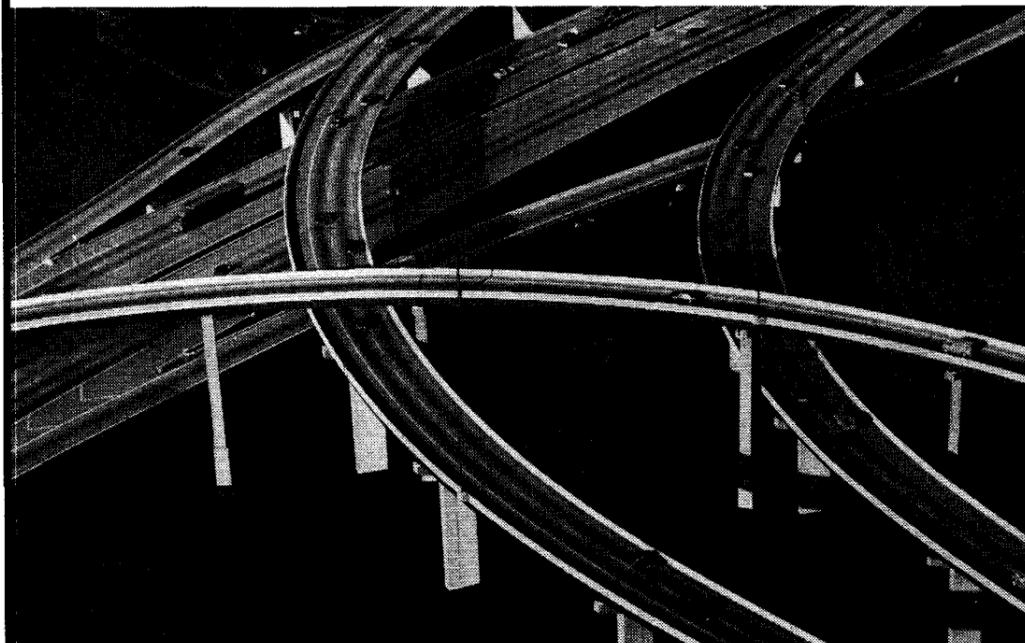
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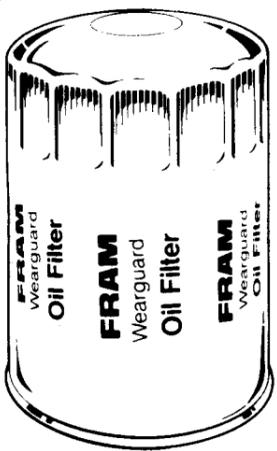
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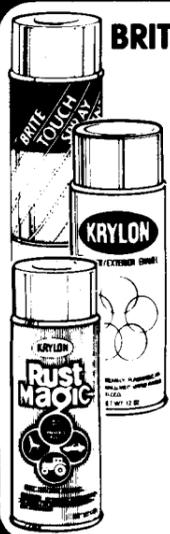


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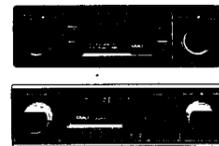
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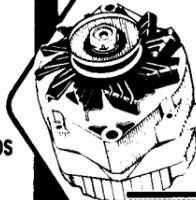
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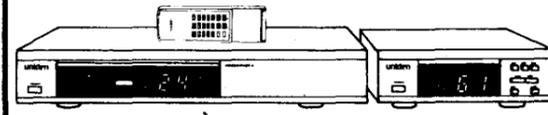
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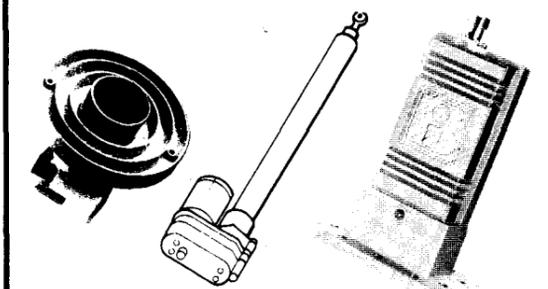
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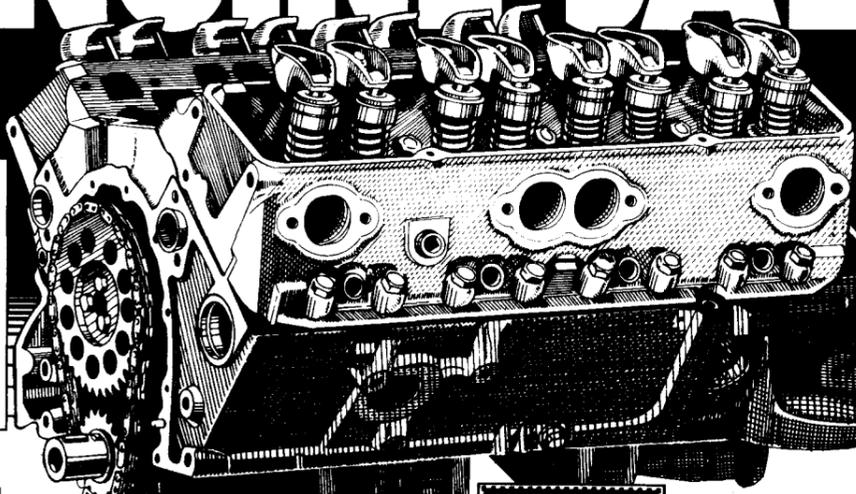
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\$125 MAIL-IN REBATE
 with purchase of AC Oil Filter

AC, Motorcraft, or Purolator Oil Filters
2 FOR \$5
 Or \$2.84 each everyday.

The Best Price EVERYDAY

Exxon Superflo Motor Oil
 High Performance
 10W-30, 10W-40, 20W-50, 30HD. **69¢**
 Limit 3 cases.

CASE SPECIAL

Havoline
 10W-30, 10W-40, 30HD
 Case Price 9.48
 Mail-In Rebate -3.00
 Final Cost **6.48**

The Best Price EVERYDAY

STP Oil Treatment
 15 oz. **1.39**
 AFTER REBATE

Swiss Body Filler
 1 gallon #3431. **7.94**

Super-X Power Steering Fluid 1 qt. **1.97**

SPARK PLUGS

AC Resistors at Sale Price	89	Motorcraft Resistors	89
Mail-In Rebate	-25	Mail-In Rebate	-25
Final Cost	64	Bonus Rebate	-25
		Final Cost	39

AC Spark Plugs RESISTORS AFTER REBATE
 Non-resistors - 79¢
 After Rebate - 44¢ **54¢**
 Limit 8 at Sale Price

Motorcraft Spark Plugs RESISTORS AFTER REBATES
 Non-resistors - 79¢
 After Rebate - 29¢ **39¢**
 Limit 8 at Sale Price.
 Visit store for complete details & coupons

HUNTSVILLE
 OPEN 8AM-9PM MON.-SAT., 9-6 SUN.
 7540 S. Memorial Pky. 882-1800
 at Byrd Spring Rd.

HUNTSVILLE
 OPEN 8AM-10PM MON.-SAT., 9-6 SUN.
 3210 Governors Drive 533-3727
 1/2 block West of Triana
 3008 North Memorial Dr. 852-7920

FAYETTEVILLE
 OPEN 7AM-8PM MON.-SAT., 9-6 SUN.
 105 Hedgemont 433-1695
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Announcements

Multicrafts center

The Multicrafts center, in building 3615, is offering several specials this month. Greenware is 20 percent off. If you bring a friend who buys greenware, you get a free greenware item. Firing is 10 percent off for anyone who purchases greenware this month, and slip casting is free every Saturday in July. For military retirees, the first hour in the wood shop is free if the session lasts at least four hours. Here's the schedule for the remainder of the month. Today, *Basic watercolor class*, 5 p.m.; *Heart stool woodcraft class*, 6:30 p.m. Today, July 19, 26 and Aug. 2, *Youth ceramics*, 4 p.m.; *Rectangular mat cutting class*, 4:30 p.m.; July 13, *Fabric braided wreath*, 5:30 p.m.; *Country stroke painting*, 6:30 p.m.; July 14 and 21, *Advanced wood lathe class* (began July 7), 4:30 p.m.; July 14, 21 and 28, *Stencil classes*, 9:30 a.m.; July 15, *Fabric painting and applique*, 10 a.m.; *Youth shirt painting class* 1 p.m.; *Oval mat cutting class*, 1 p.m.; *Open workshop for stained glass* July 15 and 22, *Mandatory wood safety class* at 10 a.m.; July 18, *Basic canvas class*, 6:30 p.m.; July 18, 25 and Aug. 8, *Basic sewing for youth* (began July 11), 4 p.m.; July 21, *Acrylic canvas class*, 1 p.m.; July 22, *Basic macrame workshop*, 10 a.m.; *Rectangular mat cutting workshop*, 1 p.m.; *Open workshop for jewelry*, 1:30 p.m.; July 27, *Hand quilted wall hanging*, 5:30 p.m. The shop is open to all active duty and retired military members, DoD civilian employees and their family members. For more information call 876-7951/1397/7974.

Recreation Center tours

Join the Recreation Center on Saturday, July 15, for professionally guided raft ride down the Ocoee River in Tennessee. Cost is only \$32 per person and includes transportation, bag lunch and rafting fee. Depart Rec Center 7 a.m. and return approximately 10 p.m. Sign up at building 3711 or call 876-4531 weekdays 1:30-9 p.m., weekends 10 a.m.-9 p.m. Also, see the Braves play the Reds on Sunday, July 30; cost is only \$11 and includes transportation to Atlanta, admission and bag lunch. Leave 6 a.m., return approximately 10 p.m.

Exhibit workshop

Auburn University Specialist Elbert Williams will discuss basic principles of creating and building county fair exhibits on Tuesday, July 11, 9:30 a.m. in the Charles Stone Agricultural Service Center, 819 Cook Ave., Huntsville. Topics to be covered will include exhibit ideas, color, composition and lettering. Also, exhibit standards for canned fruits, vegetables, pickles and jellies will be available. Anyone interested in exhibiting and winning at the county fair is invited to attend.

73rd PAC

New operating hours for the 73rd Ordnance Battalion PAC are as follows. Monday, Tuesday, Wednesday, Friday: in/out processing, 9 a.m. to 4:30 p.m.; finance/personnel business, noon to 4:30 p.m. only. Thursday: closed mornings (except for in/out processing); open noon to 4:30 for finance/personnel business. The 73rd PAC will be closed daily from 11 a.m. to noon for lunch. PAC referral slips are required for all E-6 and below personnel wishing to conduct business. Pick up slips from unit orderly rooms.

Movies

Here's the Post Theater schedule; starting times are 7 p.m.: Thursday, July 13 — *See You in the Morning*, rated PG-13, 118 minutes. Friday, July 14 — *The Burbs*, PG, 102 minutes. Saturday, July 15 — *Pink Cadillac*, PG-13, 122 minutes. Sunday, July 16 — *Pink Cadillac*. Tuesday, July 17 — *I'm Gonna Git You, Sucka*, R, 88 minutes. Admission is \$1.50.

Recruiters

The Education Center would like all military personnel who have held a recruiter MOS and who do not have an associate or bachelor degree to stop by building 3222 for a college evaluation. You are a lot closer to a degree than you may think.

Military physician assistants

Many soldiers have stopped by the Education Center inquiring about the Physician Assistant Program. Active and Reserve Component prerequisites for the program are as follows: Enlisted AMEDD personnel must be warrant officer candidates eligible for warrant officer appointment under provisions of paragraph 1-4, AR 135-100. Primary MOS in career management field (CMF 91) with minimum of 36 months experience in any medical MOS. Physical qualifications for warrant officer appointment as established in chapter 2, AR 40-501, including height and weight standards IAW AR 600-9. High school diploma or GED. Must have at least 60 hours transferable credit from an accredited college/university, with minimum grade point average of 2.0 (must include six hours English Composition, six hours U.S. History or U.S. Government, and at least 20 hours must be earned credit). Credit toward the remainder of the 60 hours may be derived from CLEP subject exams, correspondence courses and other training acceptable to the University of Oklahoma. Minimum aptitude area score 110 ST (GT). Sound working knowledge of both oral and written English. Must meet citizenship, character, and leadership qualifications as established in paragraph 1-4, AR 135-100. Minimum service time remaining for Reserve Components governed by AR 135-200. Must be eligible for *secret* clearance. Additional application procedures are outlined in DA circular 351-82-3. Must submit DA Form 61 and 160 for USAR appointment as warrant officer with concurrent active duty for minimum of four years with award of MOS 011A. Currently, only ARNG participate in the Army PA Program. Further details may be obtained by contacting the Commandant, Academy of the Health Sciences, Attn: HSHA-IMS, Physician Assistant Branch, for Sam Houston, Texas 78234-6100, or call Autovon 471- or commercial (512) 221-2424/4862. Course is currently college affiliated for 87 semester hours credits. Unaccompanied personnel housing will not be available upon arrival at the installation regardless of BAQ entitlements.

Apollo anniversary

The 20th anniversary of America's missions to the moon will be celebrated in July with a week-long reunion of rocket scientists and astronauts in Huntsville. There will be a reenactment of lunar landings on a moon crater in a nightly pageant entitled "Footprints on the Moon," at the Space & Rocket Center. Astronauts including Apollo 11's Neil Armstrong, Buzz Aldren, and Michael Collins on July 15, Apollo 12 Commander Alan Bean on July 16, and Apollo 14 Commander Alan Shepard on July 17 will join NASA personnel who were involved in the Apollo-Saturn program. Tickets will be sold for each night's events. For more information, call the Space & Rocket Center 837-3400. Other citywide events include a Marshall Space Flight Center open house on July 15, a rocket team reunion on July 17, and the Second Biannual Dr. Wernher von Braun Exploration Forum at the Von Braun Civic Center concert hall at 7:30 p.m. July 18. For more information about the forum, which is open to the public and free of charge, call the University of Alabama in Huntsville's Division of Continuing Education 895-6372.

Red Cross blood drive

Here's the Red Cross blood program schedule for the rest of this month: July 14 — building 4488 (bus), 7 a.m. to 1 p.m., contact Mallory Murray 876-5970; building 8027, 9 a.m. to 1 p.m., Jim Harrington 876-2373. July 15 — building 3412 (832nd Ord), 7:30-noon, Lt. Vaughn 876-2598. July 19 — building 3711 (Rec Center), 9-noon, no appointment necessary. July 20 — Thiokol (bus), 7:30 a.m. to 12:30 p.m., Mary Cash 882-8220. July 21 — building 5681 (bus), 7-noon, Sallie Johnson 876-3893; building 4492, 8-noon, Ruth Burton 876-4111. July 28 — building 4505 (bus), 7:30 a.m. to 12:30 p.m., Bertiera Humphrey 876-5511.

Preseparation orientation

The next preseparation orientation (not retiree orientation) for military personnel with ETS or Release from Active Duty dates through Nov. 18 will be conducted from 8 a.m. to noon July 19 in building 3495 (Toftoy Hall), room 119 (auditorium). Representatives from Veterans Affairs, Employment Services, Military Pay Division and other services will be present to brief and answer questions pertaining to your post-separation plans. Spouses are invited and encouraged to attend. It is mandatory for specified personnel to attend.

Security professionals

The North Alabama Chapter of the American Society for Industrial Security, a non-profit organization of security professionals, will host the Security Technology 2000 trade show July 17 and 18 at the Von Braun Civic Center. Manufacturers and vendors from throughout the U.S. will exhibit various security and law enforcement products and services. Local industry, security professionals, law enforcement professionals and the general public are invited to view exhibits of the latest technology in the security field. The show will be open both days from 9 a.m. to 5 p.m. There will be no charge for admission. For more information call Mark Bass or Lynn Raney at 461-2599.

Hispanic heritage

The Hispanic Heritage Month planning committee will meet July 13 at 1 p.m. in room A-241 of building 5250. All interested people are invited to attend this important planning meeting. For more information call the MICOM EEO office 876-8005.

MICOM hail and farewell

The MICOM Hail and Farewell is scheduled for 4 p.m. July 25 at the Officers Club. Hors d'oeuvres will be served and cash bars will be available. Honorees will include all military officers and civilian employees GS/GM 13 and above. All military and civilian employees are invited and encouraged to attend. An advance fee of \$3 per person is required. See your administrative officer for response forms. For more information, call Shirley Leonard 876-7135.

Air defenders

The Air Defense Association will hold a luncheon Wednesday, July 26 from 11 a.m. to 1 p.m. at the Officers Club. Scheduled guest speaker is retired Maj. Gen. Charles F. Means. Anyone interested in air defense is invited to attend. Membership applications will be available. Cost is \$7 per person. For reservations, call Lt. Col. William Bond 842-6066 no later than July 21.



Carpool Hotline

Call 876-1500 to place your free carpool ad.

Bob Wallace/Triana

Ride wanted from Bob Wallace/Triana area to 4488, hours 6:30-3. Christina Lenoir 842-7631.

Hazel Green

Ride wanted from Hazel Green (231/431) to 4489, hours 7:30-4, willing to share expenses. Tia Collins 876-9727.

SDC wives

The Strategic Defense Command Officer's Wives monthly function will be a salad luncheon at 11:30 a.m. Tuesday, July 18 at the home of Nancy Jones, 2514 Montevue SE, Huntsville. For more information call any of the following hostesses: Judy Darley 721-1454, Nancy Jones 882-2016, Trina Maxwell 883-2523 or Martha Stewart 721-9162.

Resource managers

Redstone/Huntsville Chapter of the American Society of Military Comptrollers will hold its monthly luncheon meeting at the Officers Club at 11:30 a.m. July 13. Scheduled guest speaker is Russell Brown, CEO D.P. Associate. For reservations call Bonnie Henthorne 895-3470, or one of the reservation members.

Officers roster

The Redstone Arsenal Personnel Roster (Officers and E9/E8) is scheduled for publication in September. "Please review the current Officers Roster dated March 1, 1989 and submit changes/deletions/corrections/additions on AMSMI-PT Form Letter 205 to AMSMI-PT-MO-AG-AB by Aug. 1, 1989." Distribution has been made on the updated form, and it may be reproduced. If you do not have the form, call Martha Smith 876-4870 and the forms will be mailed to you. Changes received after Aug. 1 will not be reflected in the September roster. It is essential that Social Security Numbers be included on AMSMI-PT Form Letter 205. All information is put into or deleted from the system by SSN. SSNs will not be published in the roster.



Chapel events

The Waiting Wives Group will meet at 6:30 p.m. Thursday, July 13 at Bicentennial Chapel. For information call 876-2337.

LES pickup

It is requested that officers in grades W1 through O5 (warrant officer one through lieutenant colonel) update the Officer Personnel Roster and pick up their Leave and Earning Statement at headquarters Support Troops PAC, building 3437, at the end of month payday, July 31. This is a one-time requirement. Points of contact are 1st Lt. Lewis Kent or SFC James Dresser 876-1826.

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 listings advertised in this paper 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: Murray, 26 inch, 10 speed all terrain bicycle, rode very little, \$60; Panasonic telephone answering machine, \$50. 882-9729 after 4 p.m.

FOR SALE: Three bedroom brick house and/or 100 acre farm. Under excellent fence, "row crop-able"; located 31 miles from Huntsville in Huntland, Tenn., area. Call (615) 469-7358 or (615) 967-3423.

FOR SALE: 1986 - 24' pontoon boat. 60hp Vro Evinrude. Stainless prop, depth finder, custom covers, and extras. Excellent condition. Call J. 721-0285 after 5 p.m.

FOR SALE: New dog house with insulated walk, windows, and removable roof and walls, \$75. 852-0747 after 5 p.m.

FOR SALE: Queen size sofa sleeper \$175; couch, love seat and ottoman \$300; all like new. Call 852-2851 and leave message.

FOR SALE: 1986 Dodge Ram full-size pick-up. Air conditioning, power steering, power brakes, power windows, power door locks, camper shell, bed liner. Two tone silver paint. Red velvet interior. One owner. Asking \$6750. Phone 233-2110. If no answer leave message on machine.

FOR SALE: 1984 Oldsmobile Cutlass Supreme, power steering, power windows, door locks, cruise control, am/fm cassette, new brakes. Call 828-6199.

FOR SALE: Lawn chairs, gold/bronze anodized aluminum with brown strapping, stackable, \$5 each; three rolls R-19 insulation, \$10 each; one roll 48" duct insulation R-52, \$10; microcassette transcriber, dictating machine and tapes, two hand-held recorders, \$425; dehumidifier (Sears), 2 1/2 gal. capacity or continuous drain, \$150; builder's level (David and White) and K & E Tri-pod, \$300; electric hedge trimmer, \$15; 30" kitchen hood with vent, \$20; 30 pieces 7" adjustable shelf standard, \$225 each; eight extended metal drawer guides, \$4 each; five gallon Jeep gas can, \$7; 909 plus board foot of western cedar boards, clear grade, tongue and groove, 3/8"x3/4", \$180. Leave message and subject, 534-0696 Monday thru Friday.

YARD SALE: Something for everyone! To be held Friday and Saturday from 8 a.m. until 6 p.m. North on Pulaski Pike to Hester Lane, right on Hester to 3204 Howard Street.

FOR SALE: 1984 Jeep, CJ7, silver with black soft top and interior; new tires; extras include bikini top. Heavy duty bumpers, spare parts, and full set of mudger tires and rims. \$4250. 498-3571 (Morgan City).

FOR SALE BY OWNER: Three year old home in Park City, Tennessee, just 20 miles from Huntsville. This two-story home is on a 1/2 acre lot and includes four bedrooms, 1 1/2 bathrooms, large living area, eat-in kitchen, large inside utility room, plenty of closet space, 10x12 deck, and large utility shed. We are moving and need to sell so don't pass up this great offer for \$48,500. It's a steal for this home that is beautifully decorated and wallpapered throughout. Please call after 5 p.m. 615-433-8039 or daily 842-6402.

FOR SALE: Three (3) Maxon, handless, 2-way radio, 49 MHz, \$25 each. One (1) Radio Shack video processor, handles VHS, Beta, Broadcast, \$90. One (1) Radio Shack special effects video box, horizontal, vertical, diagonals, split screen, \$90. Six (6) 3/4" broadcast quality video tapes, 3M, new in albums, \$10 each; One (1) CB radio, Royce, 40 channel with antenna, \$30. 1987 Pontiac 6000, 28,000 miles, air, power, am/fm stereo, blue, \$8950. Call after 5 p.m., 852-0309.

FOR SALE: 1982 Honda CB900F Super Sport, bought brand new in 1987, 6000 miles, garage kept, immaculate condition, silver metallic with two-tone blue stripes, smoked sport fairing, crash bar, luggage rack with back rest, soft luggage, two helmets, selling for \$1700. Call CPT Norris at 721-1679 after 6 p.m.

FOR SALE: Stereo table or could be used for microwave. \$25.00. 536-4718.

FOR SALE: Two heavy oak chairs, 1 w/arms. Both for \$75.00 or \$35.00 for straight and \$55.00 for one w/arms. 536-4718.

FOR SALE: Three antique Queen Anne chairs w/cane strip in back. \$35.00 each. 536-4718.

HOUSE FOR SALE: Located in Arab, 8th Avenue N.E. near elementary and primary school. All brick, hardwood floors, 2 full baths, dining room with French interior doors, large living area, 3 bedrooms, plenty of closet space. TVA insulated. Approximately 1650 sq. ft. living area. 586-7047 after 5 p.m., anytime on weekends.

FOUND PROPERTY: A 26" girls style bicycle has been found. Owner may contact the Provost Marshal Office, Investigations Branch, building 3649, 876-2090/3449 to identify and claim this property.

FOR SALE: Upright Gordon piano, cherry finish, mirrored top. Piano stool included. Asking \$400. Call (205) 725-4965 after 4 p.m.

FOR SALE: 1987 Dodge Daytona Shelby Z, charcoal, 2-door, power windows, power locks, sunroof, 5-speed, dual electric mirrors, rear defroster, air conditioner, am/fm stereo with cassette, louvers, driver's seat has lumbar and thigh power adjustments and seat wing and back adjustments. Approximately 26,000 miles. Asking \$11,000 or \$500 down and take over Central Bank payments of \$277.83 per month (45 months remaining). Call (205) 725-4965 after 4 p.m.

RENT WITH OPTION: Sharp. 3810 Timwood Avenue, N.W. Three bedrooms, 1 bath, garage, central heat and air, 1 car garage. Carpeted, dishwasher, oven, Nice neighborhood. \$450 month plus application plus \$400 deposit plus lease. Available August 1, 1989. 895-9888.

FOR SALE: California King waterbed; includes headboard with mirror, cabinets and shelves, six-drawer pedestal, dark oak, in excellent condition; asking \$300. Call 536-7101 after 3:30 p.m.

FOR SALE: Antique dining table, 60" long, 20" wide closed opens to 40" wide. \$485.00. Call 536-4718.

FOR SALE: 19 cubic foot, avocado green refrigerator; with ice maker, clean and in good condition; asking \$150. Avocado green 40-inch stove; clean and in good condition, asking \$125. Call 536-5703 and leave message.

FOR SALE: Canoe; 15-foot ABS, asking \$285. Call 882-3923.

FOR SALE: 1974 Wilderness camper trailer; sleeps six, length 19.5 feet, new air conditioner, and more. Reduced to \$3,600. Call Jan in Madison 461-8269.

FOR SALE: Overstuffed Herculon sofa and chair and foot stool. Brown plaid, in very good condition, for \$75 or best offer. Call Jane 233-4450 (Athens) after 6 p.m.

FOR SALE: Farm in Fayetteville, Tenn., 93 acres, two houses with mountain top view; choice investment. Call 861-7220.

FOR SALE: 1984 Nissan 200SX; two door, four cylinder, earth tone, five speed, 91,000 miles. Minor body damage from deer strike. Some tinkering required to make operational. Owner will negotiate price. Call Tom 852-4474 after 5 p.m. weekdays and anytime weekends.

FOR SALE: Interarms Mark 10, 30-06 caliber, bolt-action rifle; 24-inch barrel, laminated wood, rosewood tips. Asking \$300. Call Tom 852-4474 after 5 p.m. weekdays and anytime weekends.

Ceiling Fans Installed
Simple installations.
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M & S Electric
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2 Bedroom, 2 Bath Luxury Condo.
Appliances include washer/dryer, refrigerator, microwave, ceiling fan, dishwasher, garbage disposal, sun room with vaulted ceiling. Assume 9 1/2% FHA without qualifying. Pay equity of \$3,000 on 3 year old unit. Owner will carry 2nd for equity. Payments on \$440.
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FOR SALE: Beautiful blue, camel-back sofa/sleeper with matching loveseat. Asking \$450 for pair. Elegant matching end tables and coffee table, wood with inlaid glass. Asking \$150. all in excellent condition. 880-6243 after 6.

FOR SALE: 33 acre mini-farm with row cropland, pasture, barn, pond and city water. On major county road, only 4 miles outside Huntsville city limits. \$2200 per acre. 379-2348.

FOR SALE: 1974 Olds Cutlass Supreme; gold with beige vinyl top; 2 door, automatic, 350 V8, new 5BR tires, one owner, serviced regularly, records and books available, 92K actual miles; asking \$1,200. Call 464-9888 anytime.

FOR SALE: Four Firestone radial ATX tires (P215/75R15) and four 15 x 5.5 wheels. Asking \$200 total. Call 837-5488 after 5 p.m.

FOR SALE: 1988 Ford Ranger XLT Package, 4 cylinder, 5 speed, air, am/fm cassette, SWB, sliding rear glass, power steering and brakes, blue. Must sale. \$7500 or best offer. 837-8610.

FOR SALE: 1988 Mazda 929, fully loaded, leather interior and will sell for \$18,500. Please contact Julius or Paula after 5 p.m. at 880-1090.

FOR SALE: 1987 Nissan Sentra XE station wagon. Excellent condition, air conditioning, am/fm cassette, \$6300. 895-0362.

FOR SALE: 1983 Mustang GLX hatchback, V6, automatic, am/fm cassette. Local car, well maintained. Asking \$3650. Call 883-6115 after 5 p.m.

FOR SALE: Smith Lake - 2.7 plus acres, 2 furnished bedroom mobile home, on lake, Trimble, Alabama. 1 hour drive from Huntsville, nice 3 car garage, fenced, big private harbor, city, water and well. \$30,000. 1-663-0515.

FOR SALE: 1989 Dodge Caravan Luxury Edition (LE) Minivan. Loaded, all optional 3.0 liter Mitsubishi fuel injected V6 engine, electronic automatic overdrive transmission, 7 passenger seating, power steering, power windows, power door locks, power driver's seat, tilt wheel, cruise, am/fm cassette stereo, sunscreen glass, trailer towing package, rear window defroster, luggage rack, transferable Chrysler 7/70 Bumper to Bumper Extended Warranty, \$20,000 list. Excellent condition, 12,000 miles, 30 mpg highway, \$15,000. Call 539-0533.

FOR SALE: 135 hp International tractor, cab, air, turbocharger, 85 gallon fuel tank, 540 rpm and 1000 rpm pto's, good condition, \$11,000. Call 837-2134.

FOR SALE: 1967 Chevrolet rebuilt '71, 307, V8 motor, rebuilt transmission, new chrome wheel and tires. Recently painted, \$2200 or best offer. King size waterbed, complete like new \$300, washer and dryer \$125, Schrank's Germany 6 section Oak \$1200, Patio furniture - table with four chairs \$50; refrigerator side by side - 21 cubic inch \$400, couch and love seat \$100, coffee and end table \$40, headboard and frame - full \$20, tv stereo stand \$10. Call 859-0268 after 5 p.m.

FOR SALE: 1984 Jeep, CJ7, 6 cylinder, 5 speed, Renegade package, removable hardtop, new clutch, new battery, good tires, am/fm radio, excellent condition, \$6000. Call 830-0541.

FOR SALE: Registered Pomeranian puppies, Kubota B6100 diesel lawn tractor with 48 inch deck, scuba equipment, 5x8 utility trailer, 3 hp go-cart, 5 hp gasoline air compressor, large Kerosene construction heater, 100 amp breaker box. Call Gary 895-5967 or 851-9626.

FOR SALE: Southwest. Close to Arsenal. 3 bedroom, large kitchen, living room, den and 1 1/2 baths, central air and heat. \$58,900. Phone 881-4412 after 3:30.

Snug Harbor Main Channel
A home for all seasons, beautifully decorated 3 bedroom, 2 bath lake home situated on a level lot. Great room with cathedral ceiling, dining room with fireplace, built-in kitchen, concrete patio. 20x40 boathouse with electric hoist. \$239,000 (KW156). Contact Ken Williams, Century 21 Ray Brannum Agency, Inc. 582-2003 work or 582-6119 residence.

Sunrise Shores
Waterfront home in excellent neighborhood, featuring 3 bedroom, 2 bath ranch style brick home situated on nice level waterfront lot. This house has a large den, eat-in-kitchen, living room/dining room combo, 2 car garage, pier and 2 slip boathouse (KW134). \$149,500. Contact Ken Williams, Century 21 Ray Brannum Agency, Inc. 582-2003 wk. or 582-6119 res.

FOR SALE: Car stereo equipment: Harmon/Kardon tuner-tape deck, Rockford Fosgate punch 75 amp, Alphasonik 2040 amp, Denon 6x9 3-way speakers, two 10-inch Oaktron subwoofers with grills already in Camaro rear-deck cutout. Retail over \$1500. Asking \$600. Call 772-7073. Ask for David or leave message.

FOR SALE: Sears 0.5 cubic foot microwave oven \$75; Under counter mounting bracket \$10; Dinette - 4 chairs \$75; 2 girls 26 inch 10 speed bikes \$45 each; Sears one-third hp garage door opener \$75; Sears "Bonne" girls bedroom furniture - twin bed, dresser, 4 drawer chest, night stand, vanity, desk, chair, hope chest, all for \$700 or best offer. Call 880-6987.

MUST SELL: 1982 Ford Fairmont Futura, brown. Air conditioning, am/fm, automatic, power steering, and front disc (new). Looks good. Runs well. Asking \$1100. Call 830-9721.

FOR SALE OR RENT WITH OPTION: House at 2510 Piney Branch Road, Huntsville, Alabama. 3 bedrooms, 2 baths, living room with fireplace, kitchen, dining room, 1 car garage, TVA energy saver package, large fenced back yard with trees and 12x12 deck. Freshly painted, cleaned and decorated. Much more. 10 percent VA assumable loan with no qualifying. Monthly payment \$445. Asking \$58,500. Call 882-2305, 881-0828 or 721-9050 for a private showing or to discuss equity or rent with option to buy.

FOR SALE: Fifteen foot fiberglass boat. V-hull made by Fabuglass, two new seats, two 6 gallon gas cans, 1959 Johnson 35 hp motor (needs repair or replaced), and trailer has 2 new tires. \$500 or best offer. 830-0336.

FOR SALE: Registered Quarter Horse Gelding. Chestnut, 7 years old, \$675. Western saddle, \$185. Free kittens. 420-3725.

FOR SALE: 1984 Jeep, CJ7, 6 cylinder, 5 speed, Renegade package, removable hardtop, new clutch, new battery, good tires, am/fm radio, excellent condition, \$6000. Call 830-0541.

FOR SALE: Registered Pomeranian puppies, Kubota B6100 diesel lawn tractor with 48 inch deck, scuba equipment, 5x8 utility trailer, 3 hp go-cart, 5 hp gasoline air compressor, large Kerosene construction heater, 100 amp breaker box. Call Gary 895-5967 or 851-9626.

HOME FOR SALE: Southwest. Close to Arsenal. 3 bedroom, large kitchen, living room, den and 1 1/2 baths, central air and heat. \$58,900. Phone 881-4412 after 3:30.


American Heart Association
WE'RE FIGHTING FOR YOUR LIFE

Snug Harbor Get-A-Way Main Channel
25 minutes from Huntsville. Newly painted, furnished, cedar sided lake home on level lot with 135 feet of waterfront. 3 or 4 bedrooms, central heat and air, stone fireplace and screened porch, 2 boat houses with electric hoist and deck for sunbathing. \$199,500 (KW153).
Contact
Ken Williams, Century 21 Ray Brannum Agency, Inc. 582-2003 wk. or 582-6119 res.

Waterfront Wyeth Drive
Gorgeous lake home featuring 3 bedroom, 2 1/2 baths, greatroom with fireplace, study, 2 car garage. This home is situated on a beautiful waterfront lot with a fantastic view. Property also has a 2 slip boathouse, large deck and concrete seawall. Must see to appreciate. \$215,000 (KW157). Contact Ken Williams, Century 21 Ray Brannum Agency, Inc. 582-2003 work or 582-6119 residence.

ATTENTION

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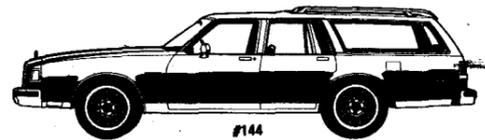
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1986 HONDA ACCORD DX
Blue, 4 door, 5 speed, 38,000 miles, cassette, local trade.

\$8,495

1984 FORD ESCORT WAGON, air, stereo.

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300SD, turbo, diesel, sand beige, local trade. Only 58,000 miles.

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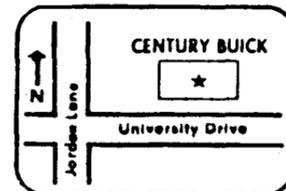
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