

# Redstone Rocket

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

September 9, 1992

## Milestone achieved for divisional air defense

### FAAD C2 system provides automated early warning for Army divisions

BY SKIP VAUGHN

Divisional air defense has taken a major step forward with the delivery of an automated system for early warning.

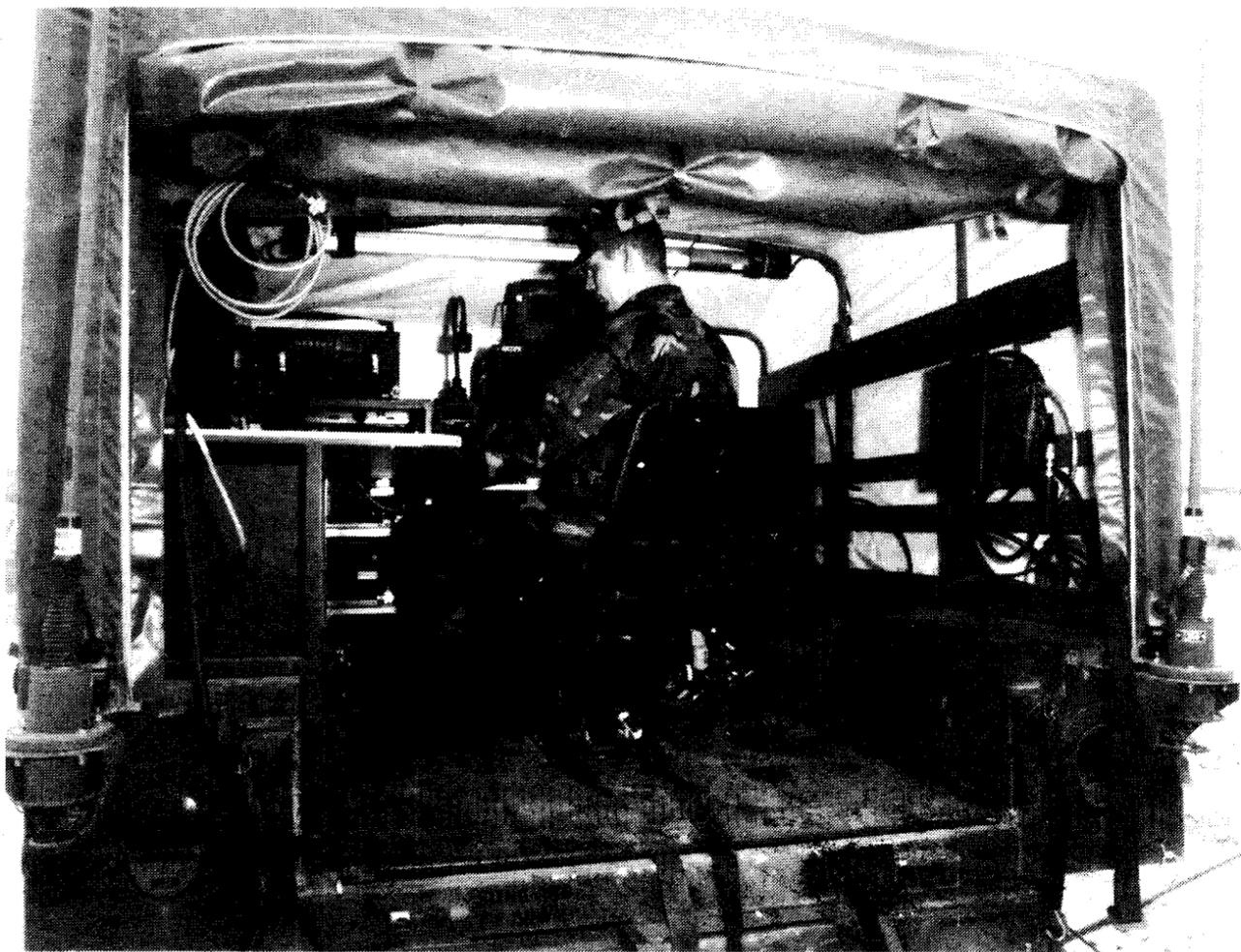
On Sept. 1 the Army formally took delivery of the Forward Area Air Defense Command and Control (FAAD C2) Version 3 software and test system hardware. Version 3 is for light and special divisions; a subsequent version will be for heavy divisions.

The FAAD C2 System will improve the engagement capability of air defense units through the integration of a family of sensors — ground and aerial — and the use of digital data communication systems. This automated system will provide a consolidated divisional air picture to the division commander and air defense battalion commander as well as target information to fire units within a matter of seconds. These capabilities will allow for more effective employment of divisional air defense assets and earlier engagement of hostile aircraft with reduced possibility of casualties resulting from friendly fire.

"It'll greatly enhance their capability to engage hostile aircraft at the earliest opportunity," said Lt. Col. Ray Zegley, product manager for FAAD C2.

The automated system has successfully completed all required contractor testing and will now undergo extensive in-field testing by the Army for verification of suitability for use by air defense soldiers. Fielding to light and special divisions is on target to begin by the end of fiscal 1993.

The FAAD C2 System is managed by the Air Defense Command and Control Systems Project Office, 4920 University Square in Huntsville, and is one of five battlefield functional areas comprising the Army tactical command and control system which report to the Program Executive Office for Command and Control (See Defense, cont'd on page 5)



FAAD C2 IN OPERATION — This soldier from the 6th Air Defense Artillery Brigade at Fort Bliss, Texas, is operating the FAAD C2 equipment in a sensor command and control mode. (Air Defense Artillery Test Directorate photograph.)

## Redstone Family Picnic promises fun for all ages

*Editor's note: Golden is publicity chairperson for the Redstone Arsenal Family Picnic. The Acquisition Center is this year's sponsor for the event.*

BY TRICIA GOLDEN

All the planning has been completed for the

Redstone Arsenal Family Picnic set for this Saturday, and one of the biggest things left to do now is to have fun!

The annual event, with a rain date of Sept. 19, will be held at the civilian recreation area.

There will be five door prizes given away, and wait, you don't have to be present to win! When you arrive at the picnic area, workers will be handing out tickets; you fill out the stub with your name and work phone number. The drawings will be held at noon and 2 p.m. Door prizes will include a radar detector, stereo radio, two season tickets for the Huntsville Little Theater, two season tickets for the Fantasy Playhouse, and two tickets to Lee Deal Productions Fall Show.

A radar gun, from our local MPs, will be on hand to check your speed at throwing a softball. All ages will enjoy this event. So, have that throwing arm in shape and see how fast you can throw.

Entertainment for the picnic includes the following acts: 10:30 a.m., the Alabama Bound Barbershop Quartet; 11:05, The Lifters (1950s vocal group); 11:30, Rocket City Brass Quintet; 11:55, Pam Keahey and Mary Lou Cole (country singing); 12:20 p.m., Parker Taekwondo exhibition; 12:45, comedian Martha Humphries; 1:10, Dancing Warriors (American Indian dancing from Redstone's Child Development Center); 1:35, Luana and Wahines (Polynesian dancing); 2, yodeling by Barbara Rosenblum; 2:25, Universal Taekwondo exhibition; 2:50, Hoot & Holler Cloggers; 3:15, Old Town Brass (brass choir); and 3:40, Sons of Christ gospel group.

The dunking booth will begin dunking our superstar managers at 11. The losers of the General Officers vs.

(See Picnic, cont'd on page 7)

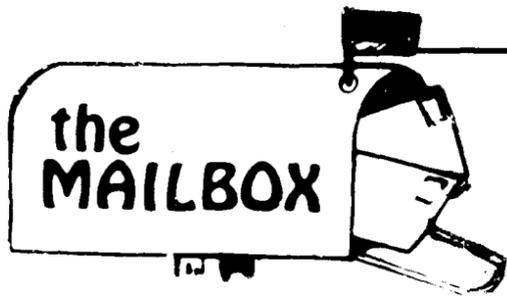


ALL ABOARD — Some revelers at last year's Redstone family picnic preferred this mode of transportation over walking.

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## TQM publication

### Editor:

Among those at Redstone Arsenal that consider it to be just a "buzz word," TQM received a fatal blow with the publication of "Rising to the Challenge," or as many refer to it as the "TQM Yearbook." I am one of those people who believe in TQM and it should be utilized to improve all tasks. However, after reviewing the "Rising to the Challenge" publication I have my doubts about those who are TQM leaders at MICOM and feel embarrassment that this is what people outside of MICOM will see as an illustration of our TQM program.

How does the TQM community at MICOM manage to apply TQM when, by all evidence in the publication, their time is spent at social events and wearing costumes? Does TQM really have to have a "TQM man" and a TQM rap song in order to be effectively applied or accepted? Is this really what Dr. Deming is trying to get across during his years of work? I do not think I have seen a single person from Japan conducting business in this manner and Dr. Deming was working with Japan on the theory of TQM many years before the U.S. was convinced it made sense.

I tried to find out the cost of publishing the "TQM Yearbook" and where the money comes from but to no avail; however, I am sure the amount outweighs the money saved so far by the implementation of TQM at MICOM. My initial concern was that the \$30,000 that each project office pays for overhead alone for one man year of RDEC effort was being used to sponsor the "Yearbook," but after more consideration my concern was the general tax dollars that went toward the publication in manpower and materials. Maybe a TQM process action team (PAT) should have been established prior to the development of the publication to determine a more economical method of providing MICOM's strategies for continuous process improvement.

Publication of the PAT efforts is a very good idea. That would allow other offices to see what work is being done and duplication would not take place. Maybe the participants of the PATs number 46 and 66 (as numbered in the "TQM Yearbook") could have worked together and one PAT eliminated if such a publication had been issued before. However, I do not think a glossy, all color model was necessary to get the message across. In fact, the PAT status section was overlooked by some people after looking at all the photos.

With all the work that obviously went into putting the publication together it would seem that the photos of the Avenger, Bat, and Javelin systems could have been correct. As one person in my office put it, that is TQM at work.

### Name withheld by request

*(Editor's note: The editorial board for "Rising to the Challenge" provided the following response. "We appreciate your feedback concerning publication of 'MICOM Strategies for Continuous Process Improvement — Rising to the Challenge.' We'd like to take this opportunity to address your concerns and provide the community at large a look at the behind the scenes focus for this effort.*

*"The MICOM Executive Steering Committee, comprised of the directorate chiefs and chaired by the Installation Commander, empowered an editorial board to produce this document. The editorial board was comprised of a group of individuals from various organizations. We were tasked to incorporate input solicited from all MICOM organizations, which documented different stages of implementation and various techniques. The final output serves as a voice for the command and incorporates oneness of philosophy. In the short period that MICOM has been involved with TQM and ACOE Implementation, MICOM has accomplished a great deal and looks forward to even greater success in the future. Since government is one area consistently targeted for negative commentary, this is one way for all of us who are taxpayers to know that we are on our way to adopting the process improvement/quality philosophy. This publication can be used as an assessment tool, training tool, and a ready reference on the status of various process action efforts. We were happy to note that you enjoyed the PAT section, but without the efforts of the people there would be no PATs. The MICOM team has been creative and innovative in its implementation strategy and this board could do no less in capturing this effort. This publication layout is unlike the usual government publication and will hopefully capture the attention of an audience as diverse as the MICOM community. Communication today is visual and a professional presentation of our efforts toward making quality a part of our culture will attract more readers. Costs and risks are involved in any worthwhile project. TQM dictates that individuals take risks — deviate from the status quo, and we welcomed this opportunity to be risk takers. We regret that some of the names of the missile systems were inadvertently placed and we appreciate those who have brought this to our attention. This input lets us know that many of you are scrutinizing this publication and we think this is great. We will continue to look for ways to improve our processes and we will continue to celebrate our people and their efforts. We hope that this publication will aid in the learning process. Thank you for sharing."*

*(Melvin Waters, MICOM TQM executive officer, also provided a response which reads as follows. "A paradigm shift in management philosophy was initiated at MICOM in 1989. This management philosophy focused on cultural changes which empowered the workforce with the intent to improve MICOM's processes and provide customer satisfaction. The cultural changes that have taken place at MICOM and are portrayed in the book 'Rising to the Challenge' are hard to believe. These changes are real and remind me of an earlier TQM experience. About three years ago as MICOM started the TQM journey, I viewed a film by Tom Peters entitled, 'In Search of Excellence in the Public Sector.' I can still remember observing the organizations depicted in the film taking pride in what they were doing and yes, even singing and having fun. One of the organizations was a defense depot and I thought 'no way, not in my lifetime.' I can now reflect back and admit 'I was wrong.' Through the commitment of management and the dedication of the MICOM workforce, I have seen a cultural change at MICOM, where our workforce has joined, enjoys their work, and has become more productive. MICOM's TQM journey is in its infant stage and we are proud of our accomplishments and want to share it with the total MICOM community. Like the film, the MICOM handbook 'Rising to the Challenge' does an excellent job in highlighting changes. The work of the editorial board is applauded. If anyone would like to know more about TQM, I invite them to attend the Cadre graduation luncheon on Sept. 10 or the Quality Forum and SADBUEX on Oct. 7 and 8 at the Von Braun Civic Center. Additional information on the MICOM TQM initiative and activities may be obtained by contacting your organization's*

*TQM Office or the MICOM TQM Office, 955-6700. The best way to obtain profound knowledge of TQM is to participate in TQM activities."*

## Softball league

### Editor:

I would like to express my disappointment regarding the management of the Civilian Welfare Fund (CWF) Softball League.

Around the first week of August, all 15 teams were informed that the second half of the softball season (with three or four games still remaining to be played) would be canceled due to lack of money. Teams were also informed that a postseason tournament could be played but each team had to pay to play!

Being a government contractor, we had already put up \$200 at the beginning of the season to help cover the cost of umpires, softballs, tournaments and trophies. If I understood correctly, only prime contractors were required to pay this fee. Those teams made up of government employees had their fees paid for out of the Morale and Welfare fund.

This was a poorly run league from both a management and financial point of view. I remember a night that we had a game scheduled at 5 p.m. at the Civilian Recreation Area. It had rained that day, but appeared to have stopped in time to let the fields dry out. We had not received a call from a league official notifying us of a cancellation, so our team went to the Rec area ready to play. When we got there (along with our opponents) there were no umpires, nor were there any teams playing at the other field. Apparently someone told the umpires and all the other teams scheduled to play that night that the games were canceled. All but us and our opponents? It's a 15-mile drive for us to get to the field from our work location, not to mention the time and mileage back home, which for some is as far as Athens, Cullman and Arab. It appeared to us that the league took the "W" word out of CWF!

I'm not sure how much the league was paying the umpires and scorekeepers, but to run out of money about three-fourths of the way through the season and the tournament, it must have been fairly substantial. There was never a discussion about money, or lack of money, during the season. All of a sudden the league was broke. Surely someone managing the money would have seen this coming and brought it to somebody's attention. What kind of "financial management" is this! It appeared that the financial manager put the "W" word back into CWF!

Then, to add insult to injury, I read in the Aug. 19 edition of the *Rocket*, that the CWF Coed Softball League was going to play a "World Series" with the NASA Coed Softball League! Where did they get their money from? Did they rob Peter to pay Paul?

I do not feel it would be asking too much for some government auditing agency to take a look at the finances associated with the running of this particular league. It is atrocious at best and our team has already decided to play softball in a different league next year. This is unfortunate because we have created new friendships with many members of other teams and really enjoyed playing softball and, at the same time, having fun.

If I am wrong about what has been said, I apologize. But, since no one has explained publicly what happened, and why, I will feel that what I have said is correct.

### Name withheld by request

*(Editor's note: Jim Chiarizio, chairman of the Civilian Welfare Fund, provided the following response. "I would like to start by saying that it was with much regret that funding of the CWF softball league had to be curtailed and do apologize for any inconvenience it may have caused. The CWF did, however, inform the softball league president of this situation in mid-July. As to the matter of the money shortfall, it occurred due to the umpire contract com-*

*(See Letters, cont'd on page 13)*

## Sign your letter

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

# THE REDSTONE ROCKET

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# Lockheed wins big contract for theater missile defense

The Army on Friday announced competitive selection of a contractor team headed by Lockheed Missiles & Space Company, Missile Systems Div., Sunnyvale, Calif., to perform demonstration/validation (Dem/Val) for the Theater High Altitude Area Defense (THAAD) weapon system.

The \$688,892,607 contract covers a 48 month effort by Lockheed and its team: United Technologies Corp., Chemical Systems Div., San Jose, Calif.; Rockwell International, Rocketdyne Div., Canoga Park, Calif.; Westinghouse Marine Division, Sunnyvale; Litton Data Systems Division, Agoura Hills, Calif.; Loral Infrared & Imaging Systems, Lexington, Mass.; Honeywell Space Systems Group, Clearwater, Fla.; Lockheed Sanders, Nashua, N.H.; Kontech, Van Nuys, Calif., and Dornier GmbH, Friedrichshafen, Germany.

The Dem/Val contract awarded Friday funds design, fabrication, and test of a demonstration

weapon system, 20 missiles for flight and system tests, and components of a prototype THAAD system consisting of two mobile battle management/command, control and communications units, mobile missile launchers and related support equipment. A contract option valued at \$80,150,609, if exercised, will procure an additional 40 test missiles. Two mobile ground based radars, also a part of the prototype system, will be procured in a separate competition.

The prototype THAAD system will be used by Army air defense artillery soldiers for early operational assessment. It also will be available for deployment during a national emergency.

The ground mobile THAAD system is designed for air transport in C-130 aircraft. THAAD is an area defense system to protect critical military assets and population areas against attack by tactical ballistic missiles (TBMs). It is intended to operate with shorter

*THAAD is an area defense system to protect critical military assets and population areas against attack by tactical ballistic missiles.*

range air defense systems such as Patriot. THAAD would engage attacking TBMs first at long range and high altitude. TBMs not destroyed by THAAD would then be engaged at lower altitude and closer to their intended targets by the shorter range air defense systems operating with THAAD.

THAAD is the cornerstone of the Strategic Defense Initiative Organization's Theater Missile Defense program. It is one of several programs managed by Maj. Gen. William Chen, the Program Executive Officer, Global Protection Against Limited Strikes. Col. Walter F. Kilgore is the THAAD Project Manager.

# Combined Federal Campaign a way to touch lives

*Editor's note: Gunter is chairman of the Local Federal Coordinating Committee for this year's Combined Federal Campaign.*

**BY GEORGE GUNTER**

Helping each other is a time-honored American tradition. The Combined Federal Campaign gives you an easy, convenient way to share in that tradition. The goal for this year's CFC, which will run from Oct. 5 to Nov. 13, is \$1,265,000. The 1992 campaign slogan is "Together, We Make a Difference."

The CFC was established in 1961 by Executive Order to provide a single unified annual charitable campaign that was efficient and could be accomplished through payroll deductions. Over the years, the CFC has become a meaningful way to voluntarily reach out... to touch the lives of people who need our help... to bring about a better world. CFC is the largest employee charity drive in the world. Last year more than \$190 million was contributed by federal employees through the CFC.

When you give through the CFC, you are helping to make a difference in our community and throughout the world. Your gift helps people faced with hunger and homelessness, chronic disease and disability, abuse and neglect, depression and loneliness. Your contributions also provide support for programs that promote youth development, increase the independence of elderly persons and focus on preventing health problems such as cancer and heart disease. The CFC gives you the opportunity to invest in people.

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**MICOM GOAL FOR CFC** — Maj. Gen. Joe Rigby, commander of the Missile Command and Redstone Arsenal, announces MICOM's \$409,000 goal for the Combined Federal Campaign.

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# Contract awarded for long-awaited headquarters complex

A contract has been awarded for design and construction of Redstone Arsenal's long-awaited Sparkman Center administrative complex.

The \$58.4 million contract to Centex-Rooney of Fort Lauderdale, Fla., was signed at 4 p.m. Sept. 2 in Mobile at the district office of the U.S. Army Corps of Engineers. A notice to proceed with construction is expected to be issued in about 30 days, with project completion in two years.

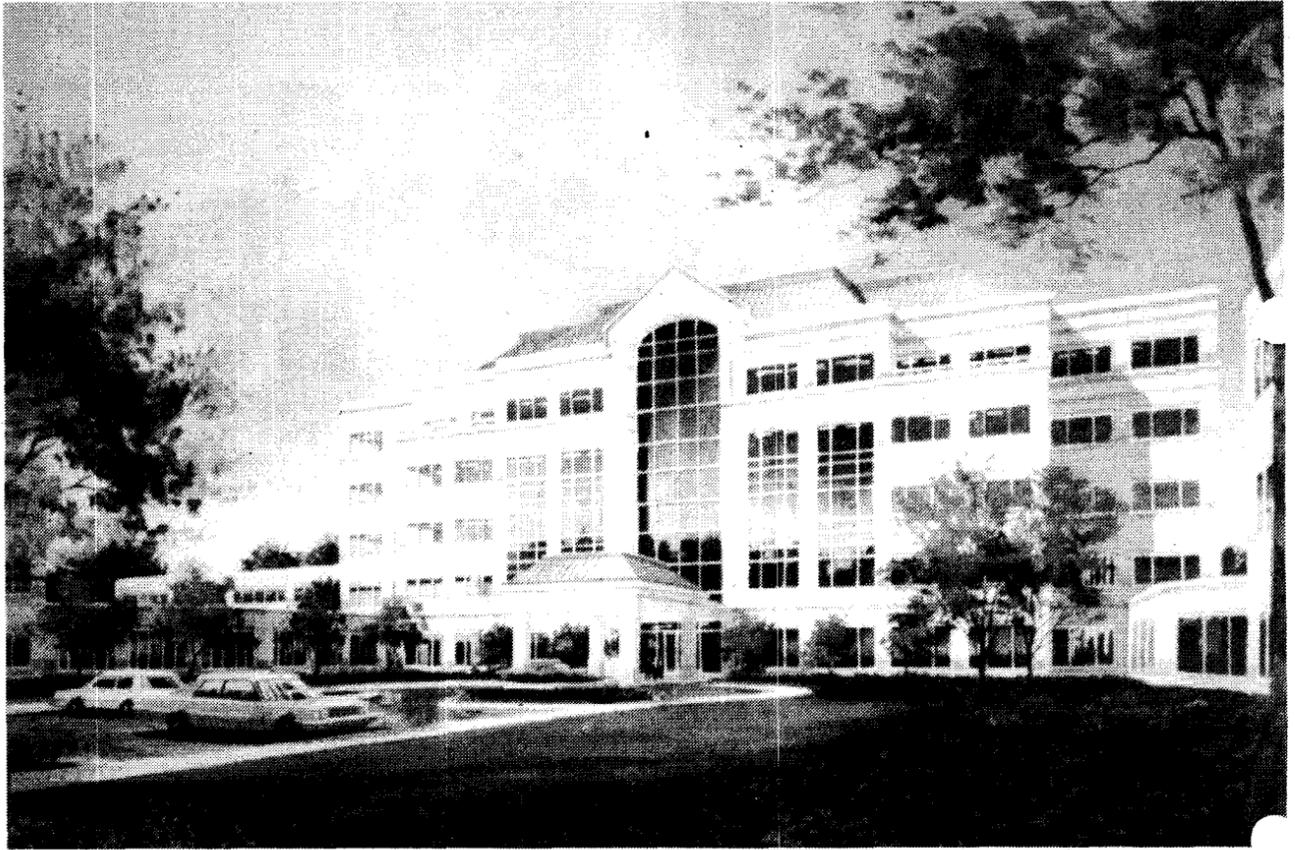
The Sparkman Center will serve as the new headquarters and administrative complex for the Missile Command. It will be sited on a 180 acre tract next to the present headquarters building.

Selected over 16 other bidders, Centex-Rooney's proposal is for a 683,000 square foot complex consisting of a multistory main building surrounded by six smaller buildings.

In addition to command and administrative offices, the complex will include conference and training rooms, a central utilities plant and emergency operations, communications, computer and teleconferencing centers. There will be space for 2,600 people.

Sam Fields of Redstone Arsenal's Directorate of Engineering and Housing heads the project team which planned Sparkman Center in partnership with the Mobile District of the U.S. Army Corps of Engineers.

The development is named in honor of Alabama Senator John J. Sparkman of Huntsville who figured prominently in the 1941 founding and subsequent growth of Redstone Arsenal.



SPARKMAN CENTER — This is an artist's concept of the main building for the Sparkman complex.

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# Defense

(Cont'd from page 1)

Control Systems, Fort Monmouth, N.J. The software development contractor for FAAD C2 System is TRW Inc. of Dominguez Hills, Calif.

"At this office since 1986 we've been working on an automated command and control system," said Col. Dan Montgomery, project manager for Air Defense Command and Control Systems. "And today we stand on the doorstep of delivering to our Army units that automated capability."

Fielding is to begin next summer to the first of three light and special divisions. These include the 7th Infantry Division, which is in the process of moving from Fort Ord, Calif., to Fort Lewis, Wash.; the 101st Air Assault Division at Fort Campbell, Ky.; and the 82nd Airborne Division at Fort Bragg, N.C.

The second phase of this program, Version 4 software, is designed for heavy divisions. The main differences between versions include the communications equipment used to transfer the data, the sensors, and Version 4's ability to interface with high-altitude air defense units like Patriot. Version 3 does interface with AWACS (Airborne Warning and Control System). The next version's delivery, to begin government testing, is scheduled for the third quarter of fiscal 1994. Fielding of Version 4 to the first of eight heavy divisions is to begin in the spring of 1995.

Existing computers are used with the new system, so the developmental program encompassed only the software. The computers — being shared by all five battlefield functional areas within the Army Tactical Command and Control System — are provided by the Project Manager for Common Hardware and Software, Fort Monmouth.

"We draw our support from MICOM and they have contributed tremendously to our success here with FAAD C2," Montgomery said.

In 1986 the Missile Command awarded a \$176 million contract to TRW Inc. for development of the program. "This program is on schedule, slightly under cost, while exceeding user requirements," Montgomery said.

His project office includes five soldiers, 35 civilian members, and about 60 collocated matrix people from MICOM. The two product managers include Zegley, product manager for FAAD C2, and Lt. Col. Herb Carr, product manager for extended air defense. Montgomery became the project manager this year. His predecessors include Col. David Taylor, who served as project manager from 1988 until April 1992, and Col. Kenneth Brown, who served as PM from 1985-88.

"We've been looking forward to this ever since I've been in the Army," Montgomery said. "We've been trying to provide the soldier with better capability to find the aircraft and engage those to maximize the capability of his weapon."

"It's come with a lot of hard work, through a lot of program changes, program slippages that have af-

ected our program and continuous fights to justify why we need such a program," he said.

Fred Pera, chief engineer for the project office, also views this as a success story. "We've been able to develop the software and integrate it onto the GFE

(government furnished equipment) hardware within the schedule time and to successfully validate. So far we've validated 610 design requirements. And we've been able to do that on schedule and slightly under cost," Pera said.

## Child sexual abuse workshop held here

A workshop for professionals who deal with child sexual abuse cases was held at Redstone Arsenal last Wednesday and Thursday.

The two-day workshop, sponsored by Community Mental Health Redstone Arsenal in association with the National Children's Advocacy Center, was held at building 5250.

Professionals in the fields of law enforcement, mental health, child protective service, victims advocacy and legal representation attended the conference to hear speakers discuss the role the professionals play in dealing with this complex subject.

Dr. David Ferguson is the chief of Redstone Community Mental Health.

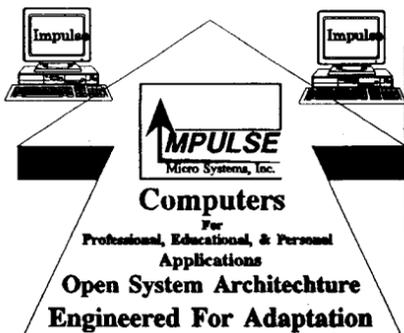


CHILD SEX ABUSE WORKSHOP — Linda Cowan, left, one of the speakers at the two-day workshop at Redstone Arsenal, talks with Susan Kirkland of the American Red Cross, Capt. Michelle Hanson of the 3343rd Army Hospital in Mobile and Sgt. David Colwell of Community Mental Health-Redstone. Cowan is head of the Juvenile Division, Hamilton County, Tenn. Sheriff's Department.

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A WELCOME CHANGE

# OPM exec predicts more open doors for women

BY EARLA LOCKHART

Women are now positioned to break through the proverbial "glass ceiling," Fran Lopes, an executive with the Office of Personnel Management told the more than 600 federal employees gathered at the recent Women's Equality Day luncheon.

According to Lopes, after more than two decades of preparing, getting experience, and moving into non-traditional roles in "cutting edge" industries, women are on the verge of revolutionary change.

The luncheon, held at the Challenger Club, commemorated the 72nd anniversary of the addition of the 19th Amendment (or Suffrage Amendment) to the U.S. Constitution.

"The great challenge for individual managers in the 1990s is to evolve their own personal leadership style," said Lopes, a member of the Senior Executive Service.

According to Lopes, the shift from an industrial environment to a high-tech information-oriented society is requiring management styles of more worker involvement and participation.

"The previous dominant principle of 'managing to control' is giving way to 'leading to bring out the best in people' who can respond quickly to change," she added. "This shift is requiring a democratic — yet demanding — leadership style that respects people and encourages autonomous, self-managed work teams and entrepreneurial units.

"The 19th Amendment giving women the right to vote was only a milestone," said Lopes, assistant director for OPM's Office of Recruiting and Affirmative Employment.

She predicted that diversity, change, and redefinition will be key challenges as the shift from the industrial era to the information era continues to open doors for women.

The Women's Equality Day commemoration is sponsored annually by the Federal Women's Program (FWP) managers of the Office of Personnel Management, Missile Command, U.S. Army Space and Strategic Defense Command, and Corps of Engineers Huntsville Division.

The participating FWP programs also recognized the following employees and supervisors for outstanding achievement and for support of FWP initiatives:



**LUNCHEON SPEAKER** — Lopes shows off the FWP Certificate of Appreciation presented by Carol Toney, area manager for Office of Personnel Management.

- Corps of Engineers Huntsville Division — Maureen Warren and James Wilson.
- Missile Command — Dr. Pauline Cason and Sara Vessels.
- Program Executive Office for Tactical Missiles — Josie Buckner and Betty Matkin.
- Program Executive Office for Air Defense — Maxine Maples and Vicky Armbruster.
- Test Measurement and Diagnostic Equipment (TMDE) Activity — Teresa Brock and Robert DuBois.
- Ordnance Missile and Munitions Center and School — Betty Batts and Billy Martin.
- Missile and Space Intelligence Center — Pamela McCue and James Kofskey.
- Medical Department Activity — Barbara Evans and Veronica Winston.
- Dental Activity — Marilyn Day.

- U.S. Army Space and Strategic Defense Command — Jean Blain, Carolyn Thompson, Carolyn Harris and Mitford Merritt Jr.
- Redstone Arsenal Support Activity — William Cross.



**TRAVEL CONTRIBUTION** — Don Davis, right, manager of SatoTravel, presents a \$3,086 check to the Morale Welfare and Recreation fund. Accepting the check on behalf of the fund is Bob Brown, director of the Directorate of Community and Family Activities. A percentage of all personal travel is returned to MWR on Redstone Arsenal.

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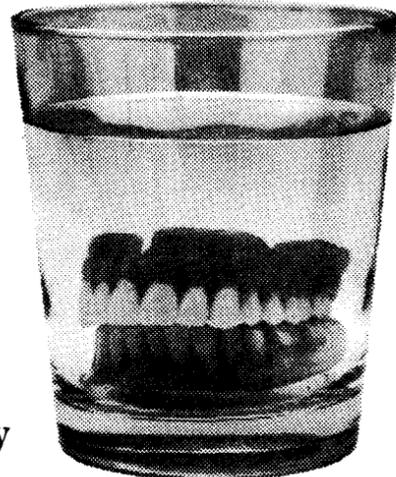


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# Picnic

(Cont'd from page 1)

SES softball game will be the first ones dunked. Dunking booth will cost 50 cents for three balls, or seven balls for a dollar. Try your hand at cooling off those softball players.

There will be multiple sets of chessboards set up for Chess Challenges. Word has it that a few of our Redstone Arsenal family have claimed to be the best, maybe a local Bobby Fischer. If you want to challenge someone, go for it.

Keeping with the spirit of a Community of Excellence - Working Together, a station will be established to accept cash donations for the Hurricane Andrew victims in Florida and Louisiana.

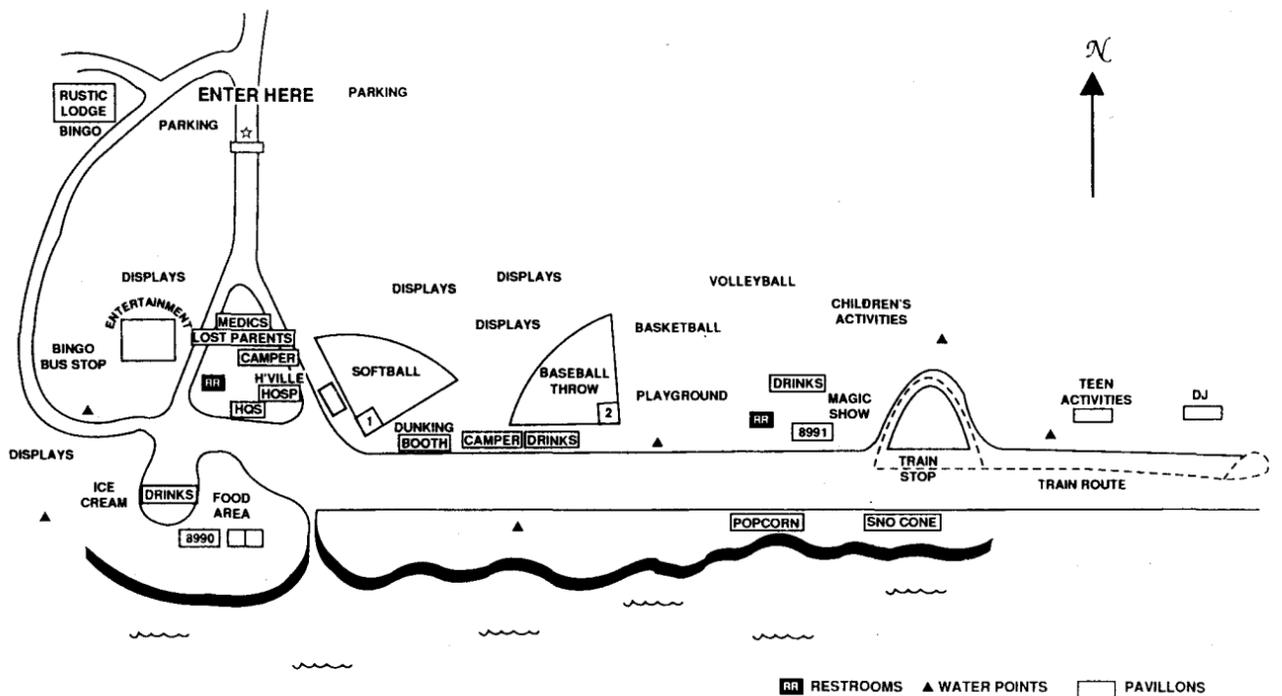
Medics will be available for medical emergencies, and we have set up a booth for lost parents.

Bingo will be played from 11:30-4 at the Rustic Lodge. Shuttle bus service will be available to transport players to and from the area. We expect a big turnout for bingo because of the excellent prizes. Only bingo players will be allowed in the Rustic Lodge. The prize for the last game of the day is two airline tickets to any destination within the continental United States.

Now, we have saved the most interesting thing for last - food! Lunch is free. Lunch will consist of one hamburger, one hotdog, chips, snack cake, and drink for adults; and one hamburger or hotdog, chips, snack cake and drink for children under 8. Upon entering the picnic area, the ticket you receive will assure that you receive lunch. Adults and the children will have a different color ticket. Lunch will be served from 11-2. A vendor will sell ice cream for 75 cents. Snow cones and popcorn will be available with a nominal charge of 25 cents each.

The big day is approaching very fast. We are looking forward to seeing you and enjoying the fun. A map of the activities will be presented the day of the picnic, and on the reverse will be a schedule of the activities. Bring the family, and we will see you at the Redstone Arsenal Family Picnic.

## PICNIC AREA MAP



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# Expo offers inside look for future manufacturing needs

BY SANDA MARTEL

Representatives from Army facilities that develop and manufacture goods and services came to Huntsville last week to show what capabilities and skills are available within the Army-owned industrial base.

Called the Industrial Capabilities Exposition, and sponsored by the Army Armament, Munitions and Chemical Command (AMCCOM), Rock Island, Ill., the event was held Sept. 1-2 at the Tom Beville Center.

"Within the government, we want to let everyone know what capabilities exist within," said Kathy Ortel, AMCCOM Marketing Office.

"In the past, there was no need to advertise; we had the dollars to keep facilities up and running. That's no longer the case," she said.

The event in Huntsville is the first AMCCOM's Marketing Office has taken on the road, but plans call for future expositions at the Tank-Automotive Command and Aviation Systems Command in the future, Ortel said. Several hundred people visited the event.

Some 26 booths represented a wide range of Army manufacturing facilities. They included the following Army Ammunition Plants: Lake City, Holston, Indiana, Iowa, Hawthorne, Kansas, Lone Star, Longhorn, Louisiana, Milan, Mississippi, Radford, Scranton and Sunflower; the following Centers: Armament Research and Development, Chemical Research and Development, and Army Defense Ammunition; the following Arsenal: Pine Bluff, Rock Island and Watervliet.

Also participating were, Crane Army Ammunition



EVENT ORGANIZERS — Cathy Schade, AMCCOM industrial base acquisition advocate, left, and Kathy Ortel, AMCCOM marketing representative, helped bring AMCCOM's first Industrial Capabilities Exposition to Huntsville. At right is Alan Greene of MICOM/RDEC Industrial Operations Division, who helped AMCCOM organize the event in Huntsville.

Activity, McAlester Army Ammunition Plant, Badger Army Ammunition Plant, AMCCOM Facility Contracting Office, U.S. Army Depot Systems Command and the AMCCOM Marketing Office.

Beyond being an exposition of in-house industrial capabilities, ICE was conceived to be the "gateway to the Army's new Industrial Operations Command (IOC)," according to the AMCCOM Marketing Office.

Army plans are to establish the IOC at Rock Island in the 1994-95 timeframe concurrent with the establishment of MACCOM at Redstone Arsenal. IOC will combine the munitions function with ammunition plants and depot operations.

MACCOM will combine the chemical and armaments missions now based on Rock Island with the missile function now at MICOM to form the U.S. Army Missile, Armaments and Chemical Command (MACCOM).



LIVE AND TRAINING AMMO — Randy Cook, left, and Paul McDaniel, representing McAlester Army Ammunition Plant, pose in front of their installation's booth at the Tom Beville Center. It displayed the various types of ammunition the plant in Oklahoma can produce, store, and demolish when obsolete.

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# Local police put spotlight on safe holiday driving

BY SKIP VAUGHN

Local law enforcement officials gathered here Thursday at the Challenger Club to announce a safe driving campaign for the Labor Day weekend.

Drivers were encouraged to participate in the "Lights for Life" campaign by turning their lights on during daylight hours Sept. 4-8. This served as a reminder "not to drink and drive" and to buckle up all vehicle occupants, especially small children, in accordance with the law.

"We appreciate everybody's participation and hope that everybody has a safe and happy holiday weekend," said Huntsville Police Chief Ric Ottman.

Huntsville traffic accident statistics for January through August show declines in the following areas from 1991 to 1992:

- Total accidents — down from 4,959 last year to 4,350 for the same period this year for a 12 percent decrease.
- Accidents with injury — down from 1,547 last year to 1,230 this year for a 20 percent decline.
- Accidents with drinking drivers — down from 270 last year to 251 this year for a 7 percent drop.
- Driving-under-the-influence arrests — down from 1,165 last year to 1,036 this year for a 11 percent decrease.
- Fatalities — down from 17 last year to 14 this year for a 18 percent decline.



**PRESS CONFERENCE** — Lt. Col. Randy Holloway, the provost marshal, is joined by seatbelt advocates Vince and Larry while he introduces the Huntsville police chief at the "Lights for Life" press conference.



**SHOW OF SUPPORT** — Military policemen Spec. Paul Dugdale, left, and PFC Malcolm Davis stand next to their patrol car with its lights on for the "Lights for Life" safe driving campaign.

The reductions are probably due to several factors including citizen involvement, stricter DUI laws, designated driver programs, and good enforcement, according to Sgt. Ronnie Fudge, public information officer for Huntsville Police Department. "The police department would like to thank the citizens of Huntsville and surrounding area for doing their part in making traffic safer in Huntsville. Without them, we can't do a lot," Fudge said.

Mothers Against Drunk Driving (MADD) encouraged support for the Lights for Life campaign. "If everybody who drives a car this weekend will remember when they get in their car, if they've had

something to drink, you don't put the key in," said Anne Forgey, president of the Huntsville/Madison County Chapter for MADD.

Agencies participating in the Lights for Life effort included Redstone Arsenal Military Police, Missile Command Safety Office, Huntsville Police Department; City of Huntsville Departments of Animal Control, Huntsville Fire, Inspections, Parks and Recreation, Parking, Transportation, and Public Works; Alabama State Troopers; HEMSI Ambulance Service, Huntsville Utilities, local MADD chapter, Madison County Sheriff's Office, and South Central Bell of Huntsville.

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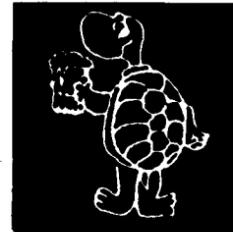
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# Competing in soldier boards an Army tradition

The suspense is building toward the announcement of Redstone's 1992 Soldier and NCO of the Year.

Winners will be announced Sept. 17 in the Soldier/NCO of the Year luncheon at the Challenger Club. Tickets, which cost \$6, are already on sale for the event which begins at 11 that morning. There will be no admittance without a ticket. For information on where to buy a ticket, call Sgt. Catherine McCoy 955-6030 or Spec. Connie Brannock 876-1874.

Scheduled guest speaker is CSM James Tuemler from West Point. The guest of honor is Redstone commander, Maj. Gen. Joe Rigby.

*“The soldiers appear before a panel of ‘judges,’ usually sergeants major, that grades them not only on knowledge, but also on the ability to express themselves clearly and on their appearance, military bearing and wear of the Army uniform.”*

McCoy, publicity person for the luncheon, provided the following release about the upcoming event:

“Throughout the year, many soldiers have been competing to be the best of the best. They have spent hours studying manuals and regulations, and moved their way up through the Soldier of the Month and NCO of the Quarter boards to ultimately compete in the Soldier/NCO of the Year board.

“Why do they do this? Competing in the soldier boards is a time-honored tradition in the Army. The soldiers appear before a panel of ‘judges,’ usually sergeants major, that grades them not only on knowledge, but also on the ability to express

themselves clearly and on their appearance, military bearing and wear of the Army uniform. The soldiers are grilled on all aspects of the Army from map reading to building field latrines to performing a function test on the M16 rifle. They are also asked questions about current events, the drawdown of the Army, and are given specific scenario questions in which they have to tell the board members how they would handle the situation.

“Preparing for and appearing before the boards tests a soldier's professionalism and competency and gives him or her a chance to stand out from his or her peers. In an Army where competition for promotion is fierce, every bit of extra recognition helps.

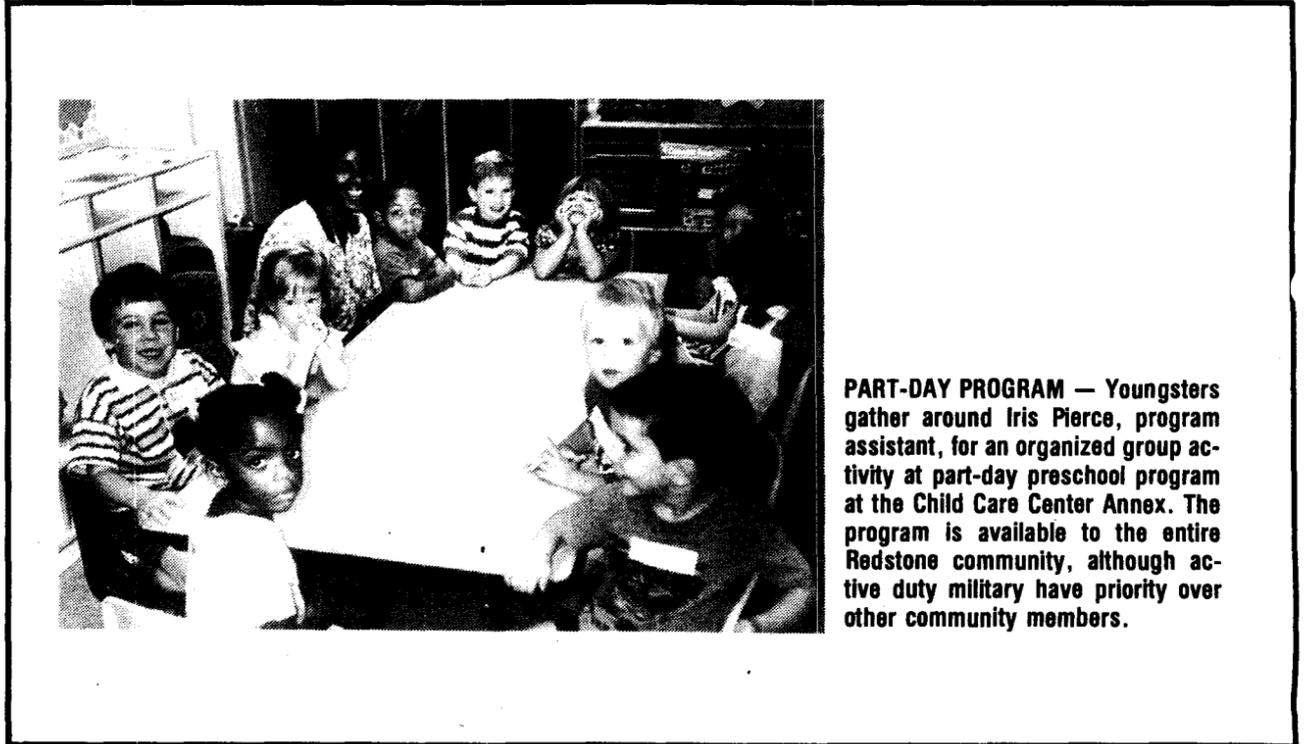
“The following soldiers are the candidates for the 1992 Soldier/NCO of the Year for Redstone:

- SSgt. Clarence Brooks, HHC MICOM; Sgt.

Monica L. Lawrence, HHC MICOM; Sgt. William H. Marten, HHC MICOM; Sgt. Joseph P.H. Ryan, B Company, 832nd Ordnance Battalion; Sgt. Theresa J. Sexton, 95th Maintenance Company (TMDE); SSgt. Shannon T. Tennant, HHC 832nd Ordnance Battalion.

- Spec. Steven J. Beam, HHC MICOM; Spec. Theodore J. Burnside, HHC MICOM; Spec. Eileen F. Kirkham, MEDDAC; Spec. Michelle K. Lepley, HHC MICOM; and Spec. Marlin D. Payne, MEDDAC.

“The competitions were held on the 2nd and 3rd of September and the winners will be announced at the luncheon Sept. 17th at 11 a.m. at the Challenger Club,” the release continued. “Come out and support our soldiers who have worked so hard to get to this point. There will be live entertainment, warm food, good company and soldiers to be proud of!”



**PART-DAY PROGRAM** — Youngsters gather around Iris Pierce, program assistant, for an organized group activity at part-day preschool program at the Child Care Center Annex. The program is available to the entire Redstone community, although active duty military have priority over other community members.



**EMPLOYEE RECOGNITION** — George Williams, Program Executive Officer, Tactical Missiles, left, congratulates Pat McInnis, a research analyst/ industrial engineer in the Multiple Launch Rocket System (MLRS) Project Office, for her design of the Tactical Missiles logo. Here, Williams and McInnis proudly display the framed logo, which reflects the mission of the Tactical Missiles PEO. McInnis received an on-the-spot cash award for her design, which was judged best out of around 60 entries in a contest sponsored by the PEO.

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# Soldiers advised to sign up now for absentee ballots

*Editor's note: SSgt. Hunt is the voting assistance NCO for 832nd Ordnance Battalion.*

**BY ROBERT HUNT**

The time is getting near, and still some Armed Forces members have not registered to vote during the November presidential election. I've gathered the

following information to assist you and your family in voting.

• **The Absentee Voting Process** permits citizens who will be away from their local polling places on election day to vote through the mail. Ballots should be re-

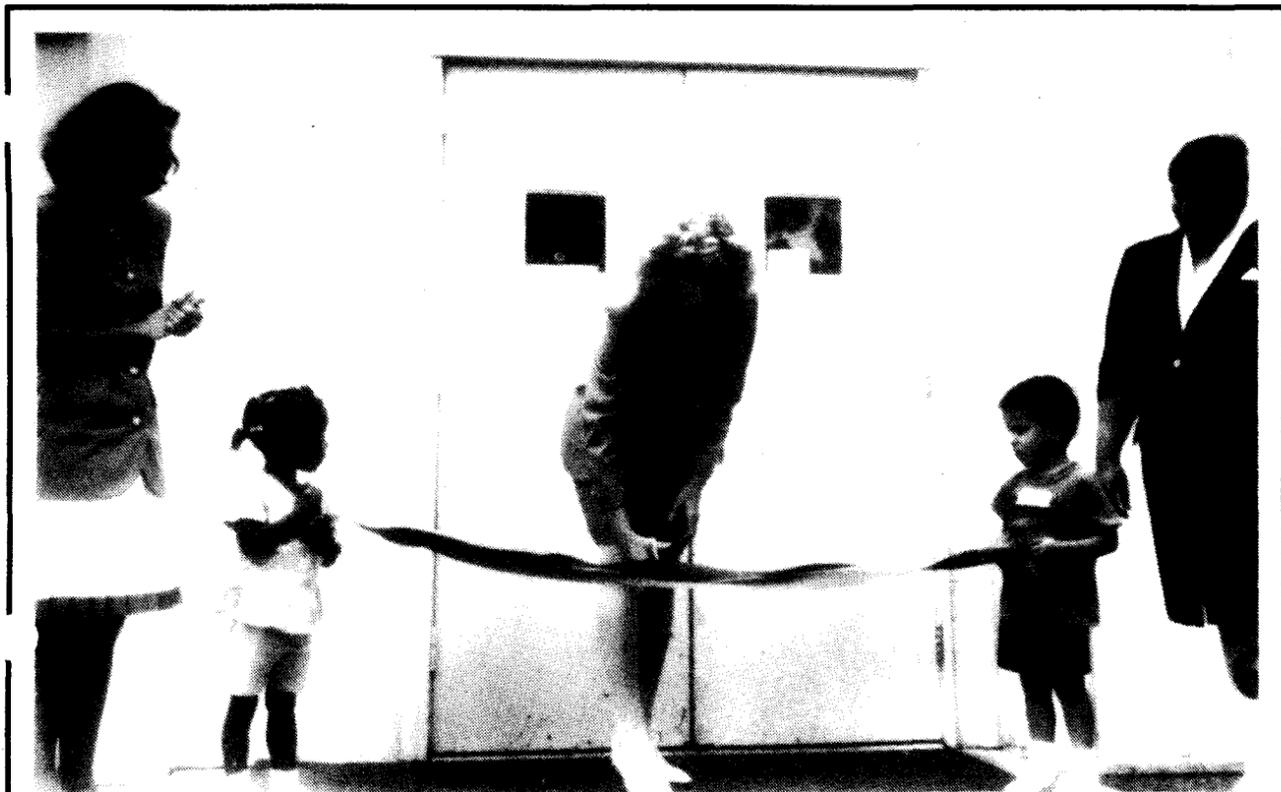
quested immediately from your unit voting representative.

• **Registration and Ballot Request:** There will be a booth set up in the lobby of the Post Exchange on Sept. 12 to assist you in requesting the Federal Post Card Application. Voting NCOs will also be canvassing within the Directorates to assist personnel. Information on voting may be obtained from your company's voting officer/NCO.

The 832nd battalion voting officer/NCOs are as follows: SFC Dennis Patterson, A Company; 1st Sgt. Gary Tam, B Company; SFC William McDole, C Company; 1st Sgt. Donald Hutto, D Company; SSgt. George Huell and SSgt. Anna Mandybur, E Company; SSgt. Bart Eichhorst, F Company; SSgt. Shannon Tennant and SSgt. Kenneth Cour, HHC; and CWO 2 Thomas Patterson, U.S. Marine Corps.

Deadlines vary from state to state so call your unit voting assistance representatives for more information. However, voters are urged to submit the Federal Post Card Application at least 45 days before the election. This will help to ensure a timely delivery of the ballot to the voter.

• **Local Voting:** You can vote locally for the presidential election but, if you do, you will automatically become a resident of Alabama and be subject to Alabama state tax. You may register locally at any AmSouth Bank or First Alabama Bank, or at the Madison County Courthouse, room 417, phone 532-3510. The deadline for registering locally for the presidential election is Oct. 23. For more information, contact your unit voting NCO or call me 842-2713.



**FIRST DAY** — Child Development Services launched the first day of its part-day preschool program Sept. 2 with a ribbon-cutting ceremony at the Child Care Center Annex. Colleen Rigby, wife of the MICOM commanding general, cuts the ribbon assisted by ribbon holders Dana Freeny and Sonny Liberatore. At left is Tammy Buckner, chief of family service division, Directorate of Community and Family Activities. At right is Ruth Taylor, Child Development Center director. Part-day preschool operates Monday, Wednesday and Friday from 8 to 11 a.m. They are filled to capacity already, but get on the waiting list by calling 876-3704 or going by the central registry office, building 257.

## Troop bowling

Here are the troop intramural bowling standings as of Sept. 4:

**Tuesday's Conference**  
 C Company 832nd  
 MEDDAC  
 F Company 832nd-3  
 NCO Academy  
 B Company 832nd-1  
 HHC 832nd-2  
 Navy

**Thursday's Conference**  
 F Company- Equate  
 E Company- Master Blasters  
 B Company 832nd-2  
 HHC 832nd-1  
 I & I Staff USMC  
 F Company 832nd-2  
 F Company- IFTE  
 HHC MICOM  
 F Company- Five Kilos  
 E Company- Analysts  
 E Company 832nd

W	L
18	7
17	8
16	9
15	10
14	11
11	14
10	15
9	16
8	17
7	18
—	—

200 games bowled Sept. 3:

Rich Collins (F Co.- Five Kilos)	224
Curtis Talley (I & I Staff)	217 & 203
Chuck Tonn (I & I Staff)	205

Several teams are still needed for the Troop level (active duty only) bowling league. If interested, in either the Tuesday or Thursday league, call Jim Stracke 852-9535 (leave message).

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# Florida State gets nod at Clemson's 'Death Valley'

BY SKIP VAUGHN

Watch out, Atlantic Coast Conference, because the newest member of the ACC is a perennial football powerhouse.

Florida State will travel to "Death Valley" Saturday to play the always-tough Clemson Tigers. FSU has five returning starters on offense and five on defense from last season's Seminole team which finished 11-2.

They don't call Florida State the road warriors for nothing. Coach Bobby Bowden and his Seminoles will find a way to win, even in Clemson, S.C. The pick here is... **Florida State.**

Last week's picks record was unavailable at presstime because of the holiday Monday. Here are Skip's Picks for selected games this week in major college football:

- Florida State at Clemson — FSU by 4.
- Michigan at Notre Dame — ND by 3.
- Hawaii at Air Force — AF by 7.
- S. Miss. at Alabama — Bama by 14.
- Howard at Ala. A&M — A&M by 7.
- Samford at Auburn — Auburn by 28.
- Wash. State at Arizona — Ariz. by 6.
- Arkansas at South Carolina — Ark. by 10.
- Holy Cross at Army — Holy Cross by 7.
- Colorado at Baylor — Colorado by 3.
- Northwestern at Boston College — BC by 14.
- San Diego State at Brigham Young — BYU by 4.
- California at Purdue — Cal by 7.
- Duke at Vanderbilt — Vandy by 13.
- Va. Tech at East Carolina — EC by 6.
- Kentucky at Florida — Fla. by 17.
- Tennessee at Georgia — Ga. by 7.
- Missouri at Illinois — Ill. by 10.
- Iowa State at Iowa — Iowa by 14.
- Miss. State at LSU — Miss. State by 3.
- Memphis State at Louisville — MS by 1.
- NC State at Maryland — NC State by 10.
- Tulane at Ole Miss — Ole Miss by 13.
- San Jose St. at Minn. — Minn. by 7.
- Virginia at Navy — Virginia by 14.
- Oregon at Stanford — Stanford by 10.



'HA! YOU MISSED ME!'

- Temple at Penn State — PS by 30.
- W. Virginia at Pittsburgh — Pitt by 4.
- Texas at Syracuse — Syracuse by 14.

- Tulsa at Texas A&M — Texas A&M by 10.
- Wyoming at Texas Tech — TT by 7.
- Wisconsin at Washington — Wash. by 14.



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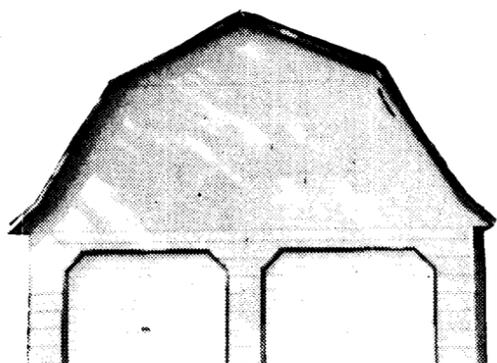
<p><b>4 Cyl. Electric Ignition Tune-Up</b></p> <ul style="list-style-type: none"> <li>• New Spark Plugs</li> <li>• Valve Speed Adj.</li> <li>• Timing Set</li> <li>• Battery &amp; Charging System Test</li> <li>• Complete Under Hood Inspection</li> </ul> <p><b>\$35<sup>95</sup></b> <small>(4 Cyl. &amp; 8 Cyl. Engines Slightly Higher)</small></p>	<p><b>Carburetor Special</b></p> <p>Restore engine performance, stop hesitation and improve gas mileage.</p> <ul style="list-style-type: none"> <li>• 2 Bl. Carburetor ..... \$68.50</li> <li>• 4 Bl. Carburetor ..... \$86.50</li> </ul> <p>Electronic &amp; some import cars slightly higher. (Parts extra).</p>
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<p><b>Timing Belt Replacement</b></p> <ul style="list-style-type: none"> <li>• Install New Timing Belt</li> <li>• Set Timing</li> <li>• Check Valve Adjustment</li> </ul> <p><b>\$86<sup>50</sup></b> <small>Parts Extra Most 4 Cyl. Cars</small></p>	<p><b>Brake Special</b></p> <ul style="list-style-type: none"> <li>• Turn Drums &amp; Rotors</li> <li>• Repack Wheel Bearings</li> <li>• Metallic Pads Extra (Most Cars)</li> </ul> <p><b>\$49<sup>95</sup></b></p>

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# ACS Education Committee needs more volunteers

The Army Community Service Education Committee will have its first meeting of the school year at 7 p.m. Sept. 16 at ACS, building 3491.

ACS Education Committee consists of active duty and family members of the military community who serve as a liaison between the Huntsville City Schools and the military families. The committee's main objective is to represent the military families and, more specifically the children's interests, when dealing with the superintendent of schools and the Board of Education regarding pertinent school policy.

"Our aim is to make sure that every military child receives the best possible representation within the public school system. However, this can only be done with the support and efforts of military parents," said Dr. William Resha, chief of ACS. "For the last two years we have been fortunate to have Maj. Scott Wilson as chairperson of the Education Committee. His very able leadership has been instrumental in providing the necessary link between the Huntsville schools and the Redstone Arsenal community."

Volunteers are needed to represent each of the

schools attended by Redstone children, according to Judy Link, ACS honorary volunteer supervisor. "We also need volunteers to attend the monthly Huntsville School Board meetings as Redstone Arsenal representatives," she said. "This allows the committee to become aware of and influence school policies as well as get to know both school board and local school officials."

One of the unique features about the Education Committee has been the Space Camp and Space Academy Scholarship Program for children at Redstone, Link said. "Each year eight to 10 scholarships are awarded to military children. Last year Mary Gustine successfully coordinated this program through the generous donations received from the Active and Retired Non-Commissioned Officers Spouses Club, the Officers Wives Club, the Association of United States Army, and the Thrift Shop."

All parents who have questions or concerns about the Huntsville schools or who would like to participate on this committee during the school year are invited to the Sept. 16 meeting. For more information, call Virginia Dempsey at ACS 876-5397 or Link 837-3487.

## Letters

(Cont'd from page 2)

ing in at higher than budget. We were able to cover some of the shortfall by using some monies that had been programmed for other activities. Another contributing factor was that the Post Restaurant Fund has not contributed as much funding as projected, due to smaller profits being realized in the post cafeterias. The CWF establishes a budget at the beginning of each fiscal year based on projected allocations of profits earned at the Post Restaurants and Burger King. If profit allocations are not being made as projected, as is occurring this year, then cuts must be made. As to the matter of the CWF Coed Softball League 'World Series' with NASA, this came to a total cost of \$26. Again I apologize for any inconvenience this may have caused and pledge continued support of all CWF activities as funding is available.")

## New wheelchair

Editor:

I read the *Rocket* article dated Sept. 2 entitled "Space-age technology helps paralyzed wheelchair racer," and was very impressed with the work accomplished from the group of engineers experienced in human-powered vehicle design and construction.

Studies conducted have proven that 98 percent of elderly parents are taken care of by women. As a woman, formerly responsible for the care of my father who required the use of a wheelchair, I urge you to design and market a light-weight, inexpensive wheelchair for easy use for women. It would be helpful to include women too as a part of a team to design and construct health care equipment. This is an ever-growing field and a concern for many of us faced with meeting the needs of the elderly in our future.

Janeen Rosenberg  
Education Center

## Smaller meal

Editor:

Reference the letter "Meal costs" in the Aug. 19 issue of the *Rocket* in which the writer compared his/her costs of eating at home as opposed to eating breakfast in the building 4488 cafeteria.

Comparisons were made for the cost of preparing and eating a dozen eggs, loaf of bread, pound of bacon, etc. The breakfast items listed totaled \$44.60 to eat in the cafeteria.

Possibly the writer should consider eating a somewhat smaller breakfast each morning. Most of us do very well on only one egg, two slices of bacon and toast.

M. J. Hanna  
OM

Woody Anderson Ford...  
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# 'Arselona' Olympic Games draws 85 competitors

Sixty-one men and 24 women participated in Redstone's version of the Olympic Games during August at the Civilian Wellness Center.

The "Arselona" games held Aug. 3-28 included the following scheduled events: one mile walk/run, 100 calorie bike ride, sit and reach flexibility test, and the 50 flight stair climb. Points were awarded to participants for attendance, participating in weekly scheduled events and special events, successfully answering olympic trivia questions, and successfully "reaching for the Gold."

Extra points were awarded to the top five male and female participants in each weekly event and to the members of the winning special event teams.

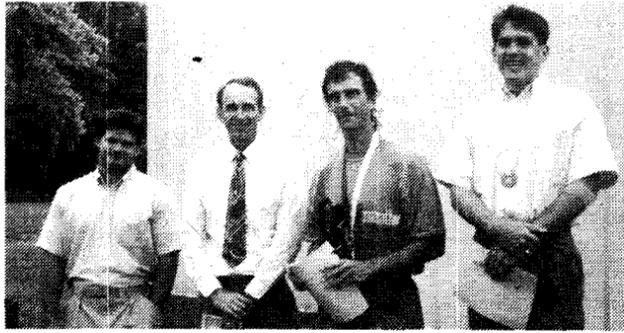
Male medalists included: David Smith, gold; Zane Smith, silver; Michael Turner, bronze; Phil Shepherd, fourth place; and Scott Moody, fifth place.

Female medalists were: Valerie James-Saunders,

gold; Jean Montgomery, silver; Gail Shepherd, bronze; Karen Fuller and Jeri Paul, tied for fourth; and Kelly Glosson, fifth place.

"Medals, certificates and prizes were awarded to the

winner," said Robin Loftin, exercise physiologist at the Wellness Center. "Congratulations to all participants! Keep going for the Gold!"



**MALE WINNERS** — From left are Scott Moody, Phil Shepherd, Zane Smith and David Smith.



**FEMALE WINNERS** — From left are Valerie James-Saunders, Gail Shepherd, Karen Fuller and Kelly Glosson.

## Foxtrot Company takes troop tennis championship

F Company, 832nd Ordnance Battalion is this year's champion for unit-level tennis.

Foxtrot Company came from the loser's bracket to beat E Company twice in the double-elimination tournament. Points from the annual tournament go toward the Commander's Cup.

"The first sergeant was just looking to field a team for Commander's Cupwise. He had no idea we would take it all," said Sgt. Larry Ware, the F Company team captain.

In the tournament, teams play two doubles and three singles. Whoever wins three matches out of five, advances. "It's team oriented. It's not individual," Ware said. "The way they got it set up, you have to have a strong team."

Six teams competed in this year's tournament which started Aug. 24 and ended Sept. 2. Foxtrot opened by beating the 95th, then got past C Company before losing to E Company. It defeated HHC, and then beat E Company twice for the title.

Foxtrot team included Ware and SSgt. Virgil McVicker, No. 1 doubles; SSgt. Kurt Dietz and Spec. William Richards, No. 2 doubles; McVicker, No. 1 singles; Ware, No. 2 singles; and SFC Rudy Castillo, No. 3 singles.



**TENNIS CHAMPS** — Kneeling from left are F Company tennis team members McVicker, Castillo, Richards and Ware. Dietz is not pictured. Standing from left are Ted Compoc, Redstone sports director; Capt. John Robinson, commander of F Company; and the company's 1st Sgt. Billy Latham.



### The University of Alabama in Huntsville is Bridging the Distance Between DECATUR and UAH Continuing Education!

Beginning this fall, UAH's Continuing Education Division is offering Self-Enrichment and Physical Education courses at various locations in the Decatur area. Course sites are the T.C. Almon, Fort Decatur and Aquadome Recreation Centers in Decatur and Paintball South, located in Mooresville.

**Courses available in Decatur during the 1992 Fall term include:**

<b>Choosing Accessories for The Home</b>	SE 0320-17	10/3	Sat.	9 am-Noon	Fort Decatur	\$29
<b>Floor and Wall Coverings</b>	SE 0320-18	9/29	Tues.	6-9 pm	Aquadome	\$29
<b>Easy or No-Sew Window Treatments</b>	SE 0320-19	9/26	Sat.	9 am-1 pm	Fort Decatur	\$33
<b>Living Rooms and Dining Rooms</b>	SE 0320-20	9/22	Tues.	6-9 pm	Aquadome	\$29
<b>Upgrading the Older Home</b>	SE 0524-02	10/17	Sat.	9 am-Noon	T.C. Almon	\$29
<b>How To Get Out of Debt</b>	SE 0523-02	10/16	Fri.	7-9 pm	Fort Decatur	\$49
		10/17	Sat.	9 am-1 pm		

<b>Fencing</b>	SF 0138-02	9/22-11/29	Tues.	7-9 pm	T.C. Almon	\$129 (includes equipment)
<b>Hanggliding</b>	SF 0139-02	9/12	Sat.	—	Fort Decatur	\$89
		9/26-11/21	Sat.	—	Hanggliding Park in Gurley, AL	
<b>Yoga</b>	SF 0108-02	9/23-11/25	Wed.	6-8 pm	Fort Decatur	\$95
<b>Beginning Paintball</b>	SF 0199-03	9/19-11/21	Sat.	9-11 am	Paintball South, Mooresville	\$139 (includes equip. & paintballs)

For more information and a Free Continuing Education catalog, call the UAH Personal Development office at (205) 895-6355 or the UAH Physical Education office at (205) 895-6007. To register by phone and charge it, call (205) 895-6010 or toll-free 1-800-448-4031. Visa and MasterCard accepted.



## UAH Personal Development Prime Time Education

1992 Fall Course Offerings on the UAH Campus include:

COURSE TITLE	COURSE NO.	DATES	DAYS	TIME	LOCATION	INSTRUCTOR	FEE
Japanese I	SE 0011-10	9/22-11/10	Tues.	6-8 pm	Roberts Hall 328	Taeko Horwitz	\$81 (+text)
French Grammar & Conversation for Beginners	SE 0012-12	9/29-11/17	Tues.	6-8 pm	Morton Hall 124	Sarah Meister	\$81 (+text)
Spanish Grammar & Conversation for Beginners	SE 0019-10	9/23-11/11	Wed.	6-8 pm	Madison Hall 110	Amira Scapero	\$81 (+text)
Basic Calligraphy	SE 0026-02	9/21-11/23	Mon.	6-8 pm	Science Bldg. 220	Ann Phillips	\$81
Applied Photography	SE 0251-08	10/1-11/19	Thurs.	6-8 pm	Madison Hall 110	Gene George	\$84
Advanced Photography	SE 0256-05	10/6-11/24	Tues.	6-8 pm	Spragins Hall 206	Bernad Billmeyer	\$84
Photographic Fundamentals	SE 0260-15	9/29-11/17	Tues.	6-8 pm	Madison Hall 110	Larry Colwick	\$84
Easy or No-Sew Window Treatments	SE 0320-11	10/3	Sat.	9 am-1 pm	Spragins Hall 110	Jennifer Delton	\$33
Choosing Accessories for The Home	SE 0320-15	9/26	Sat.	9 am-Noon	Spragins Hall 110	B.H. Underwood	\$29
Floor & Wall Coverings	SE 0320-16	10/20	Tues.	6-9 pm	Spragins Hall 110	B.H. Underwood	\$29
Professional Etiquette	SE 0522-01	10/3	Sat.	1-3 pm	Univ. Center 126 B&C	Hildegard Benton	\$31
How To Get Out Of Debt	SE 0523-01	9/25	Fri.	6-9 pm	Univ. Center 137	John Hyde	\$49
		9/26	Sat.	9 am-Noon			
Kodak Photographic Seminar	SE 0528-01	10/29	Thurs.	7-10 pm	Admin. Science Bldg. 124	Jim Franklin	\$25
Interviewing Skills Workshop	SE 0526-01	10/3	Sat.	9-11 am	Univ. Center 126 B&C	Dr. Carol Roach & Hildegard Benton	\$31

Certificate programs are available in Photography and Interior Design.

For more information on these courses and programs or a free Continuing Education catalog, call the Personal Development office at 895-6355. To register by phone and charge it, call 895-6010. Visa and MasterCard accepted.



# Tactical Missiles PEO has name change ceremony

BY SANDA MARTEL

The Tactical Missiles Program Executive Office received its charter in a name change ceremony at the Rocket Auditorium Aug. 31.

Lt. Gen. William H. Forster, military deputy to the Assistant Secretary of the Army for Research and Development, presented the Tactical Missiles charter to George Williams, who was named program executive officer for tactical missiles July 29.

"When I was a PEO, I wish I had been smart enough to do some of the things George Williams has done as a PEO," Forster said, adding that he came for the ceremony at Redstone because Williams is an "ex-

cellent PEO." Forster was the first PEO for Aviation in St. Louis.

Williams has been part of the PEO structure since October 1988, when he was assigned acting deputy PEO for Fire Support, later being assigned as deputy. He became top man of that organization in January 1991, a position he held until his most recent appointment as Tactical Missiles PEO.

Along with the name change, Tactical Missiles picked up management responsibilities of three additional project offices: Air to Air, Avenger (formerly managed by Air Defense PEO) and Non-Line of Sight (formerly MICOM managed). Tactical Missiles now

manages three categories of missiles systems: close combat, fire support and forward area air defense.

Each Tactical Missiles project manager and product manager or a representative was presented a charter at the ceremony last week.

Those include: Col. Charles Green, Air to Ground Missile Systems project manager; Col. Donald Watt Jr., Air-to-Air Missile project manager; Col. William S. Taylor, Multiple Launch Rocket System project manager; Col. David Matthews, Army Tactical Missile System project manager; Col. Michael Roddy II, Javelin project manager; Col. Stephen Rinehart, Special Management Office project manager (Jon Lowe, deputy PM accepted charter); Col. Louis Kronenberger, Non-Line of Sight project manager; Col. Willie Nance, BAT project manager; Lt. Col. Albert Hamilton III, Avenger project manager; Lt. Col. Steven W. Flohr, Army Tactical Missile System Block II product manager; Lt. Col. Richard Morris, Hellfire Optimized Missile System product manager; Lt. Col. Jack Wolfe Jr., Multiple Launch Rocket System Sense and Destroy Armor product manager; Lt. Col. Mario Cervantes, M270 Family of Munitions Command and Control Fire Direction Data Manager product manager; Lt. Col. Thomas Harrison, TOW Improved Target Acquisition System product manager; Lt. Col. Paul Pinkerton, Bradley Fighting Vehicle System-TOW product manager; Lt. Col. Dennis Loeffelholz, System Integration product manager, Special Management Office; and Lt. Col. Robert Armbruster, Longbow-Hellfire product manager.

The Army's PEO concept began May 1, 1987, with four offices established here. The original four were called Close Combat, Fire Support, Forward Area Air Defense and High Medium Air Defense.

On Sept. 15, 1988, Close Combat and Fire Support were combined to become Fire Support PEO and High Medium Air Defense and Forward Area Air Defense combined to form the Air Defense PEO.

The latest PEO reorganization abolished the Air Defense PEO and established the Global Protection Against Limited Strikes (GPALS); and changed Fire Support PEO to Tactical Missiles PEO.

Personnel assigned to the Tactical Missiles PEO include 43 core military, 468 core civilian, 34 matrix military, 533 matrix civilian, for a total of 1,978 employees.

The fiscal 92 budget is \$658.7 million for research, development, test and engineering and \$870.7 million for procurement.

Col. Thomas Devanney is the deputy program executive officer.

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Master Of Science In Systems Management  
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Master Of Science In Management

## FALL 1992 QUARTER

Registration Is Now Open For The Following Courses:

COURSE & TITLE	CLASS BEGINS	CLASS ENDS	CLASS NIGHT
<b>BUILDING 7446 (REDSTONE)</b>			
SM 5000 FINANCIAL ACCOUNTING	05 OCT	14 DEC	MON
SM 5002 FINANCIAL MANAGEMENT & CONTROL	05 OCT	14 DEC	MON
SM 5019 ORGANIZATION & MGT OF MARKETING	05 OCT	14 DEC	MON
SM 5132 ECONOMIC ISSUES IN MANAGEMENT	05 OCT	14 DEC	MON
OR 5011 OPERATIONS RESEARCH I	05 OCT	14 DEC	MON
SM 5006 MANAGERIAL STATISTICS I	06 OCT	15 DEC	TUE
SM 5011 MANAGEMENT THEORY & THOUGHT	06 OCT	15 DEC	TUE
SM 5013 BEHAVIORAL SCIENCE AND MANAGEMENT	06 OCT	15 DEC	TUE
SM 5018 POLICY FORMULATION	06 OCT	15 DEC	TUE
SM 5021 BUSINESS LAW	06 OCT	15 DEC	TUE
SM 5001 MANAGERIAL ACCOUNTING & CONTROL	07 OCT	16 DEC	WED
SM 5022 ANALYTICAL METHODS IN MANAGEMENT	07 OCT	16 DEC	WED
SM 5032 PERSONNEL MGT & INDUSTRIAL RELATIONS	07 OCT	16 DEC	WED
SM 5138 BUSINESS ETHICS	07 OCT	16 DEC	WED
SM 5149 MANAGERIAL ECONOMICS	07 OCT	16 DEC	WED
SM 5017 PROGRAM MANAGEMENT	08 OCT	17 DEC	THU
SM 5027 MGMT & DEVELOP OF COMPUTER SOFTWARE	08 OCT	17 DEC	THU
SM 5133 ADVANCED ANALYTICAL METHODS IN MGT	08 OCT	17 DEC	THU
CM 5018 CONTRACT NEG & INCENTIVE CONTRACTS	08 OCT	17 DEC	THU
CS 5013 INTRODUCTION TO SIMULATION	08 OCT	17 DEC	THU
<b>BUILDING 2903, SUITE 3 (BOEING)</b>			
CM 5012 PROCUREMENT & CONTR MGMT & ADMIN II	07 OCT	16 DEC	WED
<b>LOCATION — TO BE DETERMINED</b>			
SM 5106 ORGANIZATIONAL COMMUNICATION	05 OCT	14 DEC	MON
SM 5024 MANAGEMENT OF PRODUCTION	06 OCT	15 DEC	TUE
CM 5017 CONTRACT & SUBCONTRACT FORMULATION	06 OCT	15 DEC	TUE

For Information Contact F.I.T. Director. 876-1581 Or Visit The Center In Building 7446 Warehouse Road, Weekdays Between 0900-1630.

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# Pharmacy improvements cut waiting time for patients

*Editor's note: SSgt. Kendrick is NCO-in-charge of the Troop Medical Clinic.*

**BY CLINT KENDRICK**

A new computer system and changes to the waiting area have greatly improved service at the Fox Army Community Hospital pharmacy.

Patients now have three windows open for their prescription service. A queuing line, similar to that used in the commissary, ensures that no one is stuck in a slow line.

"We'll do whatever the patient needs at each of the three windows," said SFC William Pennington, non-commissioned officer in charge of pharmacy services. "They can get new prescriptions, refills or a combination of the two at any window."

"What this has done is to decrease our patient waiting time during peak prescription filling hours (9:30 a.m. to 2:30 p.m.) from one to two hours previously, to less than 20 minutes. We're averaging approximately 13-15 minutes per patient right now. That's from the time the patient gets into line until they leave the pharmacy area."

A separate window, at the side of the pharmacy, is now available for pickup of phone-in and mail-in refills, and for wheelchair patients or patients who need special help. "These patients no longer have to stand in the main line," Pennington said. "They just go directly to the side window. This also helps elderly patients who are physically incapable of standing in line."

The queuing system and three full-service windows speeded up service to the point that the computer could no longer keep up. Two new computers with 80386 processors operating at 25 mega-hertz soon solved this problem. Information storage on one 320 megabyte hard disc instead of the two 110 megabyte discs used previously also vastly increased computer access speed.

"We've seen a 300 percent increase in speed of processing each prescription," Pennington said. "What used to take five minutes to enter into the computer, now takes approximately two minutes to enter."

"A result of having this extra time is that we are now able to take better care of the management details of the pharmacy which helps to improve the overall operation and better service for our patients."

By operating more efficiently at the patient contact level, the logistical side of the pharmacy is greatly improved, according to Pennington.

"Now we're able to get a better handle on our inventory and cost control," he said. "The better we are able to monitor our stock of medications, the fewer outages we have. Not only are we able to keep sufficient stock on hand, but we are able to use our purchasing power to get the best price for the medications. This helps to reduce local purchases, which are expensive, and helps stretch our budget dollars farther."



**FASTER SERVICE** — Patients move quickly through the new queuing system at Fox Army Community Hospital pharmacy. The speed of service has been improved more than 300 percent.

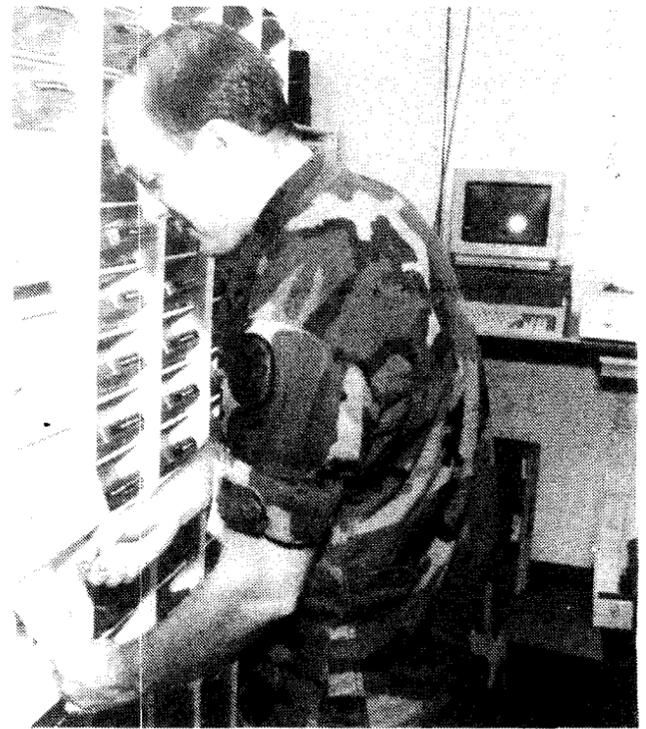
At first patients seemed resistant to the change to a queuing system, Pennington said, because they felt they would have to wait longer.

"That has not been the case," he said. "Now after waiting just a few minutes, the patient has direct contact with the pharmacist, pharmacy technician or Red Cross volunteer. If there is any information missing it can be supplied immediately by the patient and does not tie up the system."

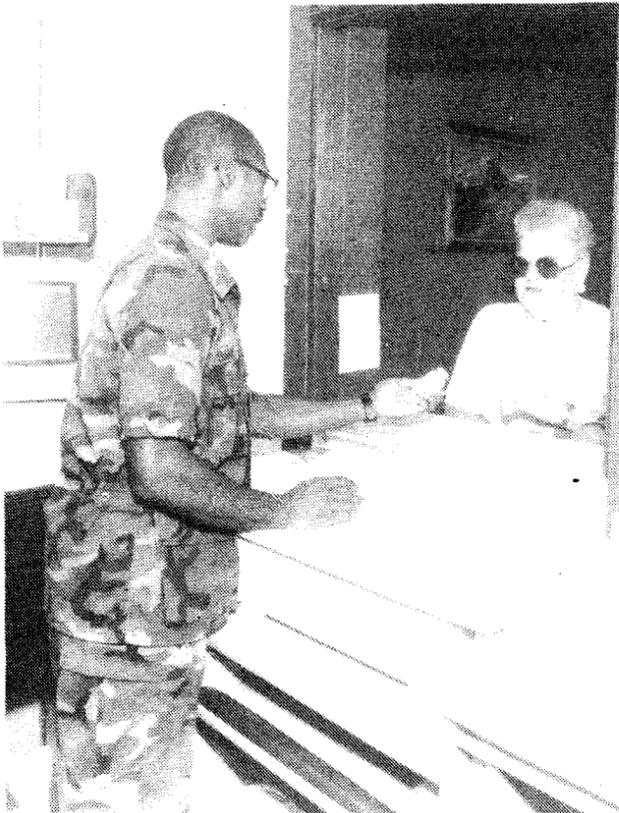
Belle Warren was pleased with the new system. "I really like it," she said. "No one gets ahead of you this way. It's quite a bit better than the old system. We've had to wait anywhere from two to three hours in the past. Today I received my prescription in about 10 minutes."

Anthony Pittsworth went completely through the line in less than seven minutes. "I used to have to drop off my prescription and come back an hour or more later to pick it up," he said. "This service is much better than a civilian pharmacy. I retired in 1971 but didn't know this service was available until approximately two years ago. It's fast and it saves me money."

Virginia Press was finished in 10 minutes. "The line was completely full when I came in," she said. "This system works very well. Queuing doesn't bother me at all."



**AUTOMATED SYSTEM** — PFC Steve Rifenberick, pharmacy technician, operates the automated prescription system which rapidly dispenses and counts medications.



**PHARMACY WINDOW** — Sgt. Steven Barnett, pharmacy technician, fills a prescription for Verna Wood at one of the three operating pharmacy windows. Express service is now a reality at Fox pharmacy.

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# Announcements

## Rocket City Follies

Can you sing, dance, play an instrument, do stand-up comedy, or entertain folks in other ways? If so, you should share these talents with more than your weekend party guests. "We need you for the 'Rocket City Follies' floor show performances during the OWC Roaring '20s Speakeasy Night, Friday, Oct. 30." Rocket City Follies auditions will be held on Sept. 12-13 at the Recreation Center, from 2 to 5 p.m. For more information, call Lois Long 837-7246 or Ceil Jellett 721-0651.

## Pajama Jam

The Enlisted Council of HHC 832nd Ordnance Battalion will be having a Pajama Jam on Sept. 11 from 8 p.m. until 3 a.m. at the Challenger Club. It will be open to 18 years and older. Free food will be available. Tickets are on sale now and are \$5 for male, and \$2.50 for female. All are invited. For more information, call Spec. Williams 876-2494 or call Spec. Rawls 876-1105 or 842-9835.

## Soldier/NCO of Year luncheon

The Post Soldier/NCO of the Year luncheon will be held at the Challenger Club from 11 a.m. to 1 p.m. Thursday, Sept. 17. Winners will be announced and awards presented. Tickets cost \$6, and can be purchased from your unit soldier of the year committee member or from the Challenger Club. Tickets will also be available at the door; there is no admittance without a ticket. For more information, call SSgt. Ken LeBon 842-2328 or Sgt. Cathy McCoy 955-6030.



## Active/Retired NCO Spouses

The Active and Retired Non-Commissioned Officers Spouses Club of Redstone Arsenal is having a welcome coffee in honor of Colleen Rigby, wife of the post commanding general. The coffee will be held at 7 p.m. Thursday at the Challenger Club. "Everyone is welcome, especially all active duty and retired NCO spouses." For more information, call 859-0340 or 828-6885.

## Logistics engineers

Tennessee Valley Chapter of the Society of Logistics Engineers will have its September awards banquet Sept. 17 at the Madison Square Holiday Inn. Social begins at 6 p.m., with dinner and awards at 7. Scheduled speaker is Dave Harris, public affairs officer for the Missile Command. Cost of the dinner is \$7. Spouses and guests are welcomed. For reservations call Roberta Peek 895-3084, Mary Breedwell 955-7795 or Melody Garner 883-4451.

## Thrift shop

"Bag Days" at the Thrift Shop are set for Sept. 14 and 15 from 10 a.m. until 3 p.m. Use the consignment room door. "Bring your brown grocery bags and fill them for \$1.50." The Thrift Shop, building 3657, can be reached at 881-6992.

## Found dog

A Siberian Husky — female, silver and black — was found Friday morning near Pagano Gym. The owner of this dog should call SSgt. Richard Fyler 880-0540.



## Trade Day

Downtown Huntsville will become the gathering place Saturday, Sept. 12 during the fourth annual Old Fashioned Trade Day on the Square. "On the Saturday after Labor Day each year, the courthouse square is filled with sidewalk and truck vendors, exhibitors, entertainers, food booths, and antique cars." There is no admission charge. For "History Write-In," the lobby of the courthouse will be open for those interested in passing on personal histories, family anecdotes, tall tales and legends. Trade Day is sponsored by the Historic Huntsville Foundation. For more information, call 883-9446 or 536-3631.

## Learning center

The North Army Learning Center (NALC) has study materials available for checkout or in-house usage in preparing for DANTES and CLEP tests. The Army Education Center offers the tests. Both facilities are open to active military, military retirees, DoD civilians and family members of these personnel. Stop by the Army Education Center, building 3222, to obtain a list of tests currently being offered, or call 876-9761 for more information. Stop by the NALC, building 3349, to see the type of study materials or call 876-9416 for more information.

## 832nd dining-out

Civilians, officers and NCOs of the 832nd Ordnance Battalion are invited to a dining-out at 6:30 p.m. Friday, Oct. 16 at the Officers Club. Scheduled speaker is Maj. Gen. Joe Rigby, commander of the Missile Command and Redstone Arsenal. Dress is formal attire for civilians; Army dress/mess blues or dress greens with a white shirt and bowtie for officers/NCOs. Those who wish to attend must pay \$20 upon RSVP. NCOs should RSVP to their company by Oct. 2. Officers and civilians should RSVP at building 3411 by Oct. 5. For more information, call Sgt. Alicia Leal or Capt. Dawne Davis 842-0610/0607.



## Babysitting class

Child Development Services is sponsoring a babysitting class Sept. 21-25. Sessions will be held from 3:30-5:30 p.m. Monday, Tuesday and Friday and from 3:30-6 p.m. Wednesday and Thursday. The class will be at the Child Development Center. Lectures, discussions, role-playing, observations, and CPR training will be led by staff from Child Development Services. To preregister, call Jan McVey 876-7888. To qualify for the class, individuals must be age 13 or older.

## Military engineers

The Society of American Military Engineers will meet at 11:30 a.m. Sept. 17 at the Holiday Inn, Madison Mall. Luncheon cost is \$7. For reservations, call Camille Pinto 955-5370.

## Federal women

North Alabama Chapter of Federally Employed Women will hold its monthly luncheon Sept. 17 at the Officers Club. Nancy Hollingsworth is to speak on "Tax Tips." For information and reservations, call Lori Garner 876-8888.

## Blacks in government

Blacks in Government (BIG) will have its regular monthly meeting at 11 a.m. Tuesday, Sept. 15 at the Redstone room of the Challenger Club. Mary Birmingham of the MICOM Civilian Personnel Office is to speak on the MICOM Automated Candidate Evaluation System (MACES). Members are encouraged to attend and visitors are welcome. The buffet line will be utilized for lunch. For more information, call Bonnie Kilgore 876-8946.

## Air defenders

Alabama Chapter of the Air Defense Artillery Association will have its bimonthly luncheon Thursday, Sept. 17 at the Officers Club. A social period begins at 11:30 a.m., and lunch will be served at 11:45. Alan Sherer, acting program manager for Army Theater Missile Defense, is to speak on ATMD. Cost of the meal is \$6 for individual and corporate members, and \$7 for non-members. Persons wishing to attend should call Laura at 722-5438 by Sept. 14. "Please provide Officers Club, VISA, MC, or DC card number when calling."

## Job information

A job information day will be held Tuesday, Sept. 22 at Army Community Service (ACS), building 3491, from 8 to 11 a.m. This meeting is to inform military spouses who have relocated to the Huntsville area on the ways to apply for federal jobs. A representative from Civilian Personnel Office will be available to answer questions on employment and job opportunities. At 1 p.m. a free resume class will be offered. To register or for more information, call 876-5397.

## Alcoholics Anonymous

The Redstone Arsenal AA Group meets each Wednesday at noon and Friday at 5:15 p.m. in room 11 of the Bicentennial Chapel.

## Post Theater movies

Thursday — *Mom and Dad Save the World*, rated PG, 87 minutes. Friday — *Man Trouble*, PG-13, 99 minutes. Saturday — *Honey, I Blew Up the Kid*, PG, 89 minutes. Sunday — *Honey, I Blew Up the Kid*. Tuesday — *A Stranger Among Us*, PG-13, 109 minutes. All shows begin at 7 p.m. Admission is \$1.50 for adults, \$1 for children.

## Parenting classes

Two eight-week parenting classes are being offered free at Army Community Service on Tuesday nights beginning Sept. 15. A 4 p.m. class is open for parents with children ages 2-12 and a 6 p.m. class for parents with teenagers. Classes are open to military, retirees, and civilians. For more information, call Virginia Dempsey of ACS 876-5397.

## Government accountants

North Alabama Chapter of the Association of Government Accountants will have its monthly meeting at 5:30 p.m. Thursday, Sept. 17 at the Marriott-Huntsville (5 Tranquility Base). This is "Past Presidents' Night." Bruce Johnson, Corps of Engineers, is to speak on the "Corps of Engineer Financial System." For reservations call Jo Ann Blue 876-7986 or Pam Hunt 876-2401.



## Amateur hockey

Any boy or girl between the ages of 4-17 can register to play in the Huntsville Amateur Hockey Association. "You do not have to know how to skate; learning skating skills is part of the program." Games are played October to February — with a tournament for all teams — at the new iceplex at 3185 Leeman Ferry Road and the Von Braun Civic Center. Register at the iceplex from 9 a.m. until noon Sept. 12, from 5-8 p.m. Sept. 17 or from noon until 3 p.m. Sept. 19. For more information, call Jim Morrison 828-0581 or Ed Leonard 883-9782.

## Club news

*Challenger Club*: "Karaoke" laser music, every Wednesday from 7:30-11:30 p.m. with a first place trophy every week, in the lunar lounge, "sing your favorite hits from the '50s through the '90s." *Officers Club*: The Officers Club and Thespi Productions will present "Churchill — Man of the Century" dinner theater Sept. 17; buffet dinner is set for 6-7:45 p.m., with the theater from 8-10; meet the star for dessert and coffee from 10-11; cost is \$9.95; for more information, call 830-2582.



Call 876-1500 to place your free carpool ad.

# Carpool Hotline

## Fayetteville/Park City

Carpool member wanted from Fayetteville/Park City, Tenn., to 5250/4488 area, hours 7-4:30 with the second Friday off. Becky 876-2214.

# classifieds

Federal law makes it illegal to advertise any preference, limitation or discrimination in housing based on race, color, religion or national origin. The REDSTONE ROCKET will not knowingly accept advertising that is in violation of the law, and readers and advertisers are hereby informed that all dwellings advertised in this 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:** 1982 Buick. Owned 29 months, repaired as required. New oil pump, front and rear seals gaskets, inserts, new air conditioning compressor and reconditioned air conditioner, new front and rear brakes, new valve cover gaskets. Runs good, no known problems, \$1200. 883-6100.

**HELP WANTED**  
Office furniture dealer seeks part-time delivery man/installer. Huntsville location. Reply to: **Alabama Business Furnishings, Inc., P.O. Box 2114, Huntsville, AL 35804.**

**FOR SALE:** 1987 Mercury Grand Marquis. Loaded, excellent condition, one owner, garaged, 49K miles, maintenance records, \$6350 or best offer. 1990 Mazda B2200 Cab plus, black, automatic, air, am/fm cassette, alloy wheels, SE-5 package, one owner, garage, 16K miles, warranty, maintenance records, excellent condition, \$9000 or best offer. 852-4543 after 5 p.m.

**FOR SALE:** Dining table with 4 chairs, formica top, 36"x45" extends to 66", \$125 cash. 534-8537 after 3:30 p.m.

**FOR SALE:** Commodore 128 with color monitor, two disk drives with fast load, RAM expansion cartridge, mouse, joystick, printer interface, computer desk with hutch, \$500. Precor exercise rowing machine, \$150. 883-5475.

**FOR SALE:** Kimball Artist Console piano. Traditional design with walnut finish, excellent condition, asking \$1150. Fan back wicker chair with green floral spring cushion, asking \$50. 721-0225.

**WANTED:** Barbie dream house. Please call 830-8318 after 3 p.m. or leave message.

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**379-3051**

**FOR SALE:** Two 19" color Sharp TVs, both need flyback transformers. Also included a cable box and remote control. \$50 for all or best offer. 883-1510.

**FOR SALE:** Full size headboard and frame, \$50; Round table with black formica top and oak bottom, \$30; Loveseat, \$30; End table, \$15. 883-5550.

**FOR SALE:** 1986 BMW 325. Red, 5 speed, new clutch and radiator, sunroof, am/fm cassette, power windows, locks and mirrors. \$6500. 536-5019.

**FOR SALE:** Country blue couch with throw pillows, great condition, \$50. 883-9758.

**FOR SALE:** Dining room table, good solid wood, oval shaped, \$155. 880-2018 after 6:30 p.m.

**FOR SALE:** 1985 Lincoln Towncar. Titan blue, excellent condition, fully loaded, power locks and windows, seats, all the extras, luxurious, \$4950. 232-4577.

**FOR SALE:** NES Nintendo with games, Mario 2, Turtles, with NES joystick, NES controls, and carrying bag all for \$150 or best offer. Health Spa for bath tub, \$15. 895-9087.

**WANTED:** Bunk bed set in good condition. 895-9087.

**FOR SALE:** Almond stove, \$125, good condition. 859-2226 after 5:30 p.m.

**FOR SALE:** 1987 Mercury Grand Marquis LS. One owner, excellent condition, \$6900. 830-4397.

**FOR SALE:** Soloflex. Like new, have all attachments and accessories, moving soon. Paid over \$1300, will sell for \$950 or best offer. 650-4612.

**WANT TO BUY:** Unused Disneyworld tickets, needs 2 one-day tickets. B. Kyle 232-8880.

**FOR SALE:** Blue rug with pad, 12x18, \$120; Blue rug with pad, 12x15, \$60. Excellent condition, perfect for quarters. 883-9008.

**FOR SALE:** Rumanian hand-made Oriental rug, hall runner, approximately 9.5'x30", beautiful floral pattern with medium blue and cream as primary colors, asking \$300 firm. 883-1510.

**WANTED:** Portable baby playpen, either Graco or Fisher Price. 883-1510.

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'87 CHRYSLER FIFTH AVENUE  
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Automatic, A/C, AM/FM Stereo, Tilt Wheel, Delay Wipers, Rear Defroster CLEAN!  
TOTAL SELLING PRICE .....\$4517.71  
CASH DOWN .....\$149.00  
AMOUNT FINANCED .....\$4368.71  
MONTHLY PAYMENT .....\$149\*

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Automatic, A/C, AM/FM Cassette, Delay Wipers, Rear Defroster.  
TOTAL SELLING PRICE .....\$3789.71  
CASH DOWN .....\$122.00  
AMOUNT FINANCED .....\$3667.71  
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'86 PONTIAC 6000 WAGON  
V-6, Automatic, Air, AM/FM Stereo, Excellent Family Car!  
TOTAL SELLING PRICE .....\$3789.71  
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**NO MONEY** down to veterans, closing costs pd for FHA. Nice brick 3BR home on corner lot. New central H/A, paint, carpet & roof. 2901 Barbara Dr. See today! \$36,900.

**LEASE** purchase/lease option—first time buyers or investors: \$44,900 for immaculate 3BR home. Central H/A, fenced yard, DR, detached wkshop, low equity. Call! (2469MV)

**ALMOST** a forest of beautiful mature shade trees protects 4BR, 1900 sqft home on quiet NW street. Microwave & refig stay. Patio & garden area. Call to move in now! \$84,900. (4911A)

**LUXURY** in planned community—wonderful 3BR/2BA (MBR has luxury bath), fireplace, deck, trees in A-1 condition. Call today & view this lovely home. \$105,900. (1805W)

**PRESTIGIOUS** English Tudor in prime NW location near Mall. 4BR with the MBR down, modern kitchen w/lots of cabinets & powder room off laundry. Pool/tennis/c'house! \$110,900. (1808H)

**LOOK** at this! Charming 3BR home on extra large lovely treed lot in SW has new carpet, paint & decor, roof & new central H/A plus garage! Enjoy! \$44,500. (920C)

**CLOSE** to everything! 2BR/1BA, large eatin kitchen w/range & DW, central H/A, carpet plus 18x12 workshop, front porch & large fenced yard w/trees. Call today! \$43,500 in SW. (902P)

**MCDONNELL** School—neat 4BR/2BA rancher has greatrm w/FP, large covered patio, 20x14 workshop, completely fenced. Reduced to \$55,500. Call for your showing. (3905WOW)

**MARRIED** to a car buff? Call to view our wonderfully remodeled family home w/3 BR, 1 1/2 BA, huge country kit, lrg familyrm, shade patio & the uniqueness of a 4-car garage! \$74,900. (2440C)

**SE—** minute walk to Grissom. Super large LR, DR w/vaulted ceilings, big country kitchen, den, lots of blooming shrubs & privacy fenced backyard. Excellent opportunity! \$96,900. (1019MV)

**BRADFORD** pear trees grace the front & the back is open for play. Immaculate home w/formals, den, FP, eatin kitchen. Weatherly/Mtn. Gap/Grissom. \$117,500. Call now! (9719D)

**BLUEBIRDS** will soon occupy the birdhouse in this yard. HURRY to be their landlord! 3BR brick home on quiet culdesac adjoining neighborhood park. \$60,900. (105WC)

**BEST PRICE** in area! 3BR/2BA rancher. Only 4 yrs new! Huge GR w/rock FP.

Walkin closet & full bath in MBR. Deck & 2-car garage fool Near Madison. \$74,900. (148WR)

**A FAMILY** delight! You'll enjoy the peaceful surroundings & gorgeous landscaping that comes with this 3BR rancher in Madison. Screened porch, freshly paint & more! \$93,500. (908AD)

**GENTLY** used corporate owned patio home in Madison Towne Centre. 2BR plus study, glamour master bath, W/D & refig included. Priced to sell, \$82,500. (104M)

**JUST \$44,900** will buy this 2BR home with new carpet/roof/central H&A, vinyl siding & kitchen vinyl. Great starter home. Call today & see! 129 Dogwood Dr, Gurley.

**COUNTRY** charm. Rancher w/1600 sqft. LR & family room. One acre of beautiful old trees. \$53,900 on Old Winchester Rd. Please call for your viewing today.

**COUNTRY** quiet—cedar rancher w/big front porch. 2BR plus study, large GR & country kitchen, 29x29 workshop for hobby or "at home" business. 1.36 acres. \$61,900. (3335)

**TAKE** a healthy look at the country! Breathe the clean air at this 3BR home w/great view of mtns. Enjoy 3.2 flat to rolling acres. 2-stall barn, sqt plus 2-car def. gar. \$74,900. (576RBC)

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**FOR SALE:** 1986 190E Mercedes, smoke silver, loaded! Must sell immediately. Make offer. 586-2047 after 5 p.m.

**FOR SALE:** 48" round solid oak dining table and 4 chairs. Table has center pedestal. Excellent condition. Medium stain with polyurethane finish. Asking \$450. 837-5873, leave message.

**FOR SALE:** Antique reproduction oak bar with brass top, hutch mirror and 3 oak swivel bar stools, \$1550 or best offer. Glass chandelier, \$50 firm. 882-9845.

**FOR SALE:** Used golf clubs, MacGregor Jack Nicklaus irons, 3-PW, \$75; Woods 1, 3, 5, \$65; Spalding TPM II putter, \$15; MacGregor bag, \$35; TaylorMade System 2 driver, \$90 (used 3 times). 772-8535.

**FOR SALE:** 2" roll bar, fits 1974-86 Chevrolet/GMC SWB Fleetside pickup, \$65; 2-12x15 Gumbo wide muds, about 1/2 worn, \$15/tire or \$25/pair; 2- Aluminum Mickey Thompson valve covers for 427-454 Chevrolet V8 with some wing bolts (chrome) and oil caps, \$55. 574-5670 evenings, ask for Byron.

**FOR SALE:** A nice 1953 Chevrolet half-ton pickup truck, stepside. Have over \$5000 invested - rebuilt engine, new muffler, tires, clutch, starter, and brakes. Runs great; only 10K miles on rebuilt engine. \$1950 or best offer. 461-9625.

**FOR SALE:** 1991 Toyota Tercel LE. White, 5 speed, air conditioning, power steering and brakes, 4 door, am/fm stereo cassette, less than 28K miles, dealer maintained. \$8000 or best offer. RFCU will loan \$8475. 461-0185 evenings.

**FOR SALE:** 1987 Volkswagen Fox. Alpine white, excellent condition, air conditioning, stereo, 66K miles, 30 mpg highway, \$2500 or best offer. 922-9335 evenings, or leave message.

**FOR SALE:** Chevy Van 20, 1984, Southern Comfort body, all power, tilt steering, front and back air conditioning, beige tuxedo color, no damage, good condition. If interested, call 776-3202 after 5 p.m.

**FOR SALE:** Commodore 128 with all manuals and cables. 1571 disk drive (5 1/4), color monitor, two joysticks, and software (3 word processors, 20 disks of games, 4 flight and ship simulators), all for \$300. 883-4781, leave message.

**FOR SALE:** 1988 Chevrolet Astro van. Burgundy and white, 55K miles, front and rear air, 4 captain seats, am/fm cassette, cruise, 2 new tires, \$8750. 757-9528.

**FOR SALE:** Dining room table, good solid wood, oval shaped, \$155. 880-2018 after 6:30 p.m.

**FOR SALE:** 1988 Pontiac Grand Prix. Maroon with grey interior, 5 speed, am/fm cassette, tinted windows (legal), power windows and steering, cruise, tilt wheel, power brakes, good tires, 82K miles, \$6500 or best offer. 837-7240.

**FOR SALE:** Sturdy, large, metal office desk, \$25. 837-7240.

**FOR SALE:** Aquariums. 55 gallon aquarium with stand, all accessories and fish, \$350. 55 gallon aquarium with hood and lights, \$150. 883-9758.

**FOR SALE:** TV stand, \$30; Two drawer solid oak filing cabinet, \$60. 880-3355 after 4 p.m.

**FOR SALE:** Two Queen Anne-style highback chairs, velvet, one cranberry, other rose, \$175 each. 880-2018 after 6:30 p.m.

**FOR SALE**  
Walk to Ridgcrest Elementary School, 2-story, 3 bedroom, 1 1/2 bath, central H/A. 1804 SF, \$72,000.  
3218 Bluecrest St.  
**539-2633**

**MUST SELL!**  
1981 Customized 4-Wheel Drive BRONCO. Full size. \$3995. Call Steve Carson, 10 a.m. until 7 p.m. —  
**880-8376**

**FOR SALE:** Family sailboat, 12' O-Day. Good condition with trailer and spare wheel, \$950. 721-0311.

**FOR SALE:** 1989 GMC Safari minivan. Loaded, fully customized, showroom condition, one local owner, 28K miles, all records available, \$12,495 or best offer. 883-6951.

**FOR SALE:** Exercise bike with flywheel and timer, \$59; Girl's bike, \$25. 883-6951.

**FOR SALE:** Easy chair with cushion, plastic chairs, TV cart, light fixture. All in excellent condition, reasonable price, will sell as a group or individual item. Must sell. 883-6951.

**FOR SALE:** 1991 Suzuki DR650. Like new, less than 2500 miles, ready for street and trail, \$2750 or best offer. Comes with 2 matching helmets. 650-4612.

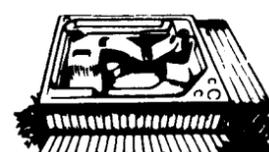
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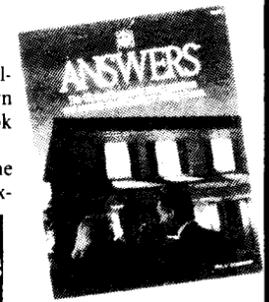
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**DEMAND THE FINEST!** This custom built former model home has barely been lived in! Loads of wallpaper, country kitchen with bay window & oak cabinets highlight this 3 bedroom ranch. \$69,900. Call Belinda 720-4804. (3570W)

**CHALLENGER SCHOOL.** New paint, wallpaper, carpet & await the new owners of this 3 bedroom ranch. Convenient to school & shopping & priced to sell at \$57,456. Call Belinda 720-4804. (2446Y)

**REDUCED \$13,000.** 1940 sq.ft. ranch features 3 bedrooms, study & new carpet. You'll enjoy the 21x24 covered patio, corner lot & 1 year warranty! \$64,899. Call Jerry Nicholson 881-9080. (3213S)

**GREEN ACRES!** A touch of country living describes this 4 bedroom ranch nestled on 3 1/2 acres of pasture, garden & woods. There's a place for horses, dogs & kids to run free. Daddy's transferred & has this 2700 sq.ft. house priced to sell at \$109,500. Bobby 533-5776. (R2B15A)

**KICK THE HABIT OF RENTING.** Take a look at this brick rancher with fresh paint, new roof & fenced corner lot. There's even a 2 car garage & greenhouse. Priced right, in the low 40's. Call Jerry Madison 539-0643. (3601F)

**GET OUT OF TOWN!** But not too far. 1736 sq.ft. brick home in the Union Grove area features covered patio, workshop, 3/4 acre fenced yard with fruit & pecan trees. Underpriced achiever at \$59,900. Call Jerry Madison 539-0643. (726R)

**SEARCH NO MORE.** Better take a look at this 4 bedroom

home - motivated seller has priced to sell! \$58,900. Call Jerry Madison 539-0643. (3807S)

**DRAMATIC ARCHITECTURE** with vaulted ceilings, 4 bedrooms, 28x17 master suite with luxurious bath, study, central vac, 2831 sq.ft. Reduced \$3000 to \$118,500. Ask for Tommie 881-6900. (210PC)

**HERE'S A GEM.** A warm welcoming family room with large stone fireplace, beamed ceiling & skylights are featured in this 3 bedroom home in Ryland Hills. \$98,480. Tommie 881-6900. (105G)

**CLEAN & GREEN & well maintained!** 3 bedroom home in Harvest just off Nick Davis Rd. Over 1200 sq.ft. for only \$63,490. Call Tommie 881-6900. (136GC)

**MEDICAL DISTRICT** 4 bedroom executive rancher. Gorgeous hardwoods, updated kitchen with new appliances, elegant light fixtures & ceiling fans. Secluded deck in plush wooded lot. \$135,900. Call Rosemary 881-3079. (1412BC)

**PRESTIGE HAS A PRICE** but you'll agree that this Chandler built home in Jones Valley featuring 3350 sq.ft. of spacious living is worth every dollar! You'll find pool, cabana, den plus rec room & new carpet. Reduced to \$242,000. Rosemary 881-3079. (1612D)

**BETTER ACT NOW!** Interest rates low - perfect location for first time buyers - great area for investment return. Medical district. \$76,900. This one won't last long - call today! Rosemary 881-3079. (28090)

**SELLER TRANSFERRED! MUST SELL!** Great buy for 1st time home buyers. This 1650 sq.ft. home features low maintenance brick & vinyl exterior, formal dining & separate den. \$67,500. Rosemary 881-3079. (4640B)

**CHURCHILL PLACE.** 3 bedroom brick ranch features isolated master, vaulted ceiling, stone fireplace, double garage. Large lot with sodded front lawn. Extra sharp! \$77,900. Jerry Madison 539-0643 or John Smith 859-6512. (104P)

**PRICE SLASHED** on this 3 bedroom brick rancher! Immaculate throughout. Living & dining plus den, remodeled kitchen, garage, 3 car carport & separate workshop. Reduced \$7600 to an unbelievable \$59,900!! Call Ginger for this great deal at 883-7532. (3904K)

**ORIGINALITY-QUALITY-LOCALITY.** This immaculate 2200 sq.ft. 2-story has it all! S.E. location, huge private wooded lot, unique floor plan, in top condition. A steal at

\$124,900. Call Ginger at 883-7532 today! (10003N)

**CATCH A FALLING PRICE TAG.** Owner transferred & has reduced this 3 year old 1830 sq.ft. rancher to a sacrifice price of \$99,950. Price includes many upgrades so call Ginger to see at 883-7532. (105B)

**MOVE-IN CONDITION.** What a beauty! Immaculate & well decorated. 2800 sq.ft., 4 large bedrooms, formals, plus den & huge rec room. Perfect for growing family and petite priced at \$96,900. Call Ginger to see 883-7532. (6510C)

**YOUR PRIVATE PARK.** Large mature shade trees enhance this 5 year old 3 bedroom home with extras such as wood fencing, fireplace, 2 car garage with workshop. Just listed at \$73,900. A great buy just outside town. Call Ginger to see at 883-7532. (273R)

**\$20,000 PRICE REDUCTION.** Call to see this inviting rustic contemporary nestled among the trees at the base of Monte Sano. This home features 1 acre lot, loft & 1 year warranty. Motivated seller. \$99,000. Nellie 534-4901. (169DH)

**LEASE/PURCHASE.** 3300 sq.ft. 2-story in the Monrovia area. This 4 bedroom country style home spells luxury living with new carpet, full basement, study & 1 acre lot with trees. Reduced \$15,000 to \$169,747! Bobby 533-5776. (119R)

**PEACE & QUIET.** On a street with minimum traffic for quietness & children. This 3 bedroom brick rancher features formal dining, fireplace & is located in the country only minutes from Research Park. \$91,975. Bobby 533-5776. (13458W)

**BRAND NEW AND UNDER \$50,000!** 3 bedroom homes with 2 full baths & garage nestled on acre lots among the pecan trees just north of the city limits. Target area for M.C.C. Call Bobby 533-5776. (BR)

**PROFESSIONALLY DECORATED** with diamond like quality. Voted Home of the Week, it can be yours this weekend. Don't miss it. Non-qualifying loan assumption. \$60,900. Wayne Mardis 852-1133. (13847M)

**YOUR 1ST HOME** is here so kiss your landlord goodbye! This impressive 2 bedroom bungalow is perfect for the young couple starting on their way to success. New roof, fenced yard & 1 year warranty. \$39,900. Gene Arvin 533-6973. (3910P)

**FAMILY WITH HOBBIES.** You'll enjoy this full basement

4 bedroom brick & vinyl home with central heat and air. Priced to sell at \$62,900! Gene Arvin 533-6973. (2624V)

**REDUCED \$3900!** 3 bedrooms, isolated master, 2 baths, sunken greatroom with fireplace. Fenced yard with trees, much more. A super buy at \$49,995! Gene Arvin 533-6973. (6113G)

**POOL-WORKSHOP.** Everything for almost nothing! Good neighborhood, close to Arsenal. 1460 sq.ft. 3 bedroom ranch for \$59,895. Call Gene Arvin 533-6973. (3910HC)

**SPARKLING INGROUND POOL.** One-owner brick ranch with covered patio, large corner fenced yard. Den has floor to ceiling stone fireplace & beautiful built-in bookcases. \$56,900. Call Marge Stamper CRS, 881-0405. (3015C)

**CLOSE TO HWY 72W.** You can get to & from work or shopping from this 3 bedroom brick ranch in Limestone County. Features corner lot with trees & great room with vaulted ceiling. Mid 40's. Better hurry on this one! Call Janice Mills 535-0633. (2560E)

**FOUR BEDROOMS AND AFFORDABLE** in Grissom High district. Great room vaulted. Unbelievable price! \$84,900. Call Janice Mills 535-0633. (2218C)

**ROCKING CHAIR PORCH.** Enjoy those cool evenings from this 3 bedroom ranch. Features hardwood floors under carpet, workshop & tree shaded lot. Mid 40's. July 882-2582. (4117A)

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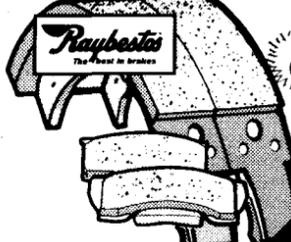
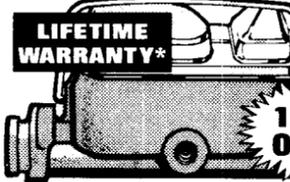
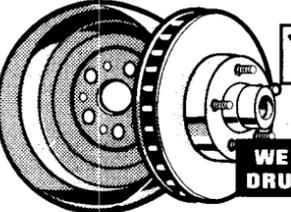
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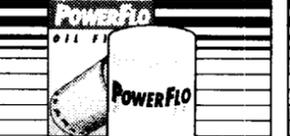
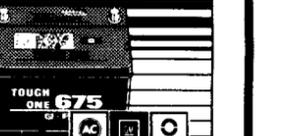
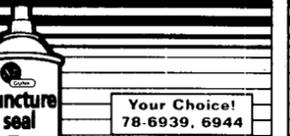
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