

# Redstone Rocket

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## Missile Command workers considering career options

BY PAM ROGERS

With the word of RIF planning inevitably comes talk of "early out." Workers who are eligible begin to consider the advantages and disadvantages of early retirement.

The proper name for such an incentive is Voluntary Early Retirement Authority. Although it often is granted in conjunction with a reduction in force, it is a separate action designed to reduce the number of people potentially affected during a reduction.

A VERA is requested through the Army chain of command and can only be granted by the federal Office of Personnel Management, according to Leonard Farbman, chief of the Technical Services Branch of MICOM's Civilian Personnel Office.

"The primary purpose is to mitigate the impact of a potential RIF. The concept is that every person who retires under a VERA will save another person's job," he said, adding that the number of jobs impacted by a potential RIF must be identified in the VERA request.

The concept of each early retirement saving one job is usually spelled out in the ground rules that are a part of each VERA. There are also exceptions — people who are not allowed to take advantage of a VERA — including those whose positions are covered under special pay rates (example: engineers in grades GS-12 and below) and positions for which the agency has direct hire authority.

To be eligible for early retirement, a worker must have been on the agency rolls for at least 30 days prior to the VERA request; and must be either: at least 50 years old with a minimum of 20 years of service; or

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— Leonard Farbman  
Civilian Personnel Office

any age with 25 years of service. ("Service" means any combination of military and federal civilian service, but must include at least five years of civilian service.) For employees with post-1956 military service, a deposit may be required based on military earnings, and if applicable, the deposit must be made before retirement.

"Under either category, there would be a one-sixth of one percent reduction per month for every month the employee is under the age of 55. That equals two percent per year," Farbman explained. The under age 55 penalty is not removed when the employee reaches 55, but remains in place throughout the duration of the retirement.

Doris Gable, the retirement officer for CPO, stressed that the process is complicated and should be considered carefully by anyone who is eligible for early retirement.

"There are retirement seminars planned for Dec. 8, 9 and 10 in the Rocket Auditorium. They will include everything about retirement and VERA will be discussed," she said. The session on Dec. 10 is strictly for workers covered by FERS, so those employees should attend two sessions — either on the 8th or 9th and on the 10th. For more information about the sessions contact your training coordinator.

There are 1,348 MICOM employees who are currently or will be eligible for early retirement during the projected VERA window. But Farbman and Gable both estimate that only a fraction of them will take advantage of it.

"During the 1988 early out, the first day over 200 people filed," Gable said. A total of 517 opted for early retirement.

But things were different then. In 1990 the defense industry was healthier than it is now.

"Most of those people had already lined up other jobs," Gable said.

Gable has noticed a reduction in regular retirements within the last year. "When the talk of incentives started, people decided to wait," she said. There are between 8 and 10 people retiring each month now, she said. Last year about 15 workers were retiring each month. A total of 979 MICOM workers are eligible for optional retirement.

So far, there has been no decision on retirement incentives for DoD civilians, but CPO officials plan to keep the workforce informed on any developments.

## Ground-based sensor project falls victim of budget ax

The Department of the Army announced last week the termination of the Ground-Based Surveillance and Tracking System (GSTS) Technology Experiment contract.

The Strategic Defense Initiative Organization directed termination of the program due to fiscal 1993 funding shortfalls and the congressional deferral of the initial site deployment date to the year 2002. The termination is being handled by the Contracting and Acquisition Management Office of the Space and Strategic Defense Command, which provides those services to the Program Executive Office, Global Protection Against Limited Strikes, which had managed the GSTS Project Office.

GSTS was to be a launch-on-demand surveillance, acquisition, tracking, and discrimination sensor that could support interceptor engagements across the continental United States from a single site.

The project was initiated in September 1988 with the award of a competitive prime contract to McDonnell Douglas Space Systems Company, Huntington Beach, Calif. The \$594 million contract was to develop a tactically representative system and demonstrate its performance through ground and flight tests. The program successfully completed critical design review and resolved critical technologies instrumental in the development of other SDIO passive surveillance systems.

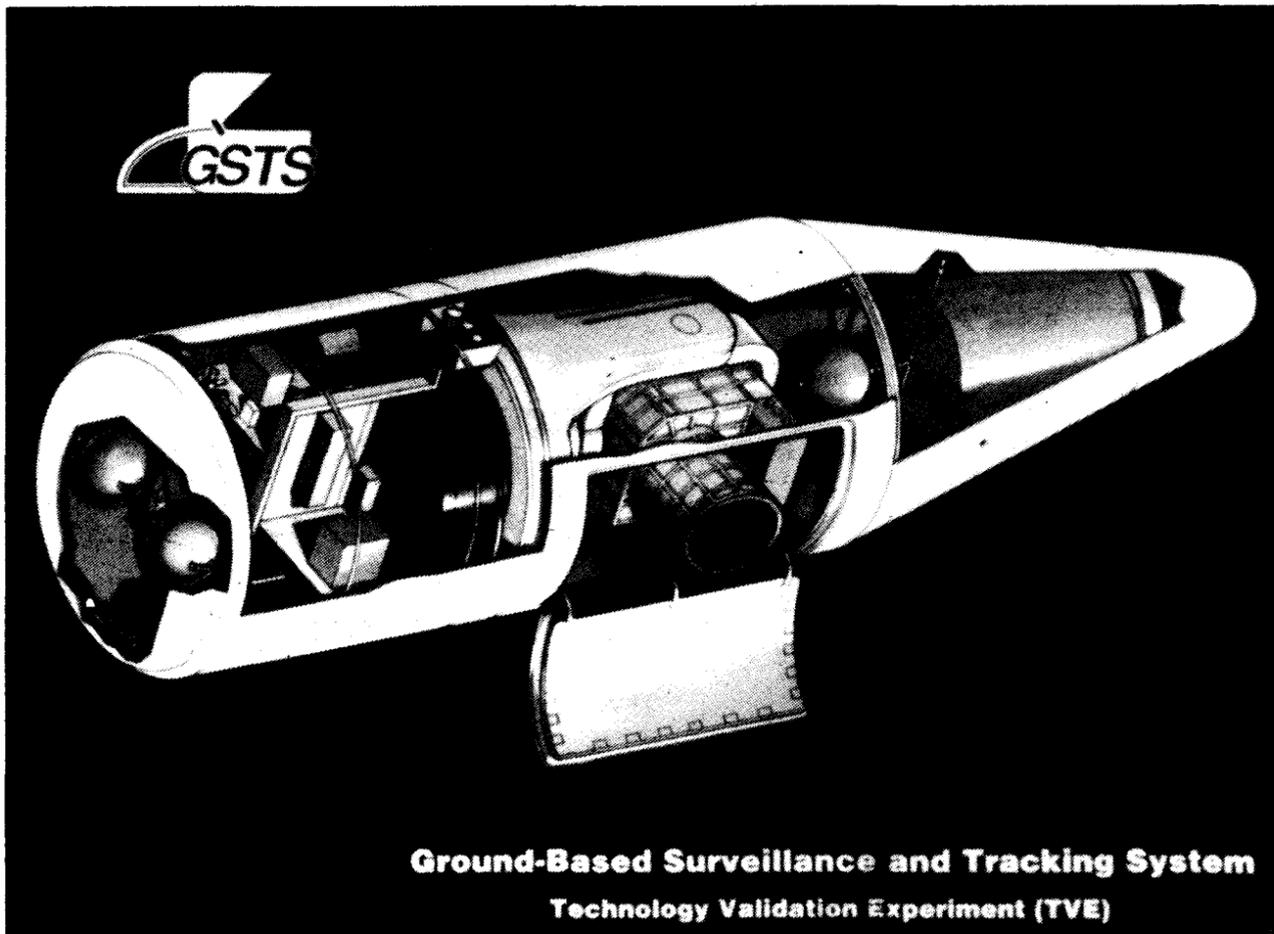
In addition to the prime contractor, the program involves four major subcontractors:

- Hughes Aircraft Company, Electro-Optical & Data Systems Group, El Segundo, Calif., the GSTS Sensor subsystem subcontractor
- Honeywell, Space & Strategic Systems Operation, Clearwater, Fla., the data processor hardware subsystem subcontractor
- TRW Inc., Huntsville, the data processing application software subcontractor
- Orbital Sciences Corporation, Space Data Division, Chandler, Ariz., the booster and launcher subsystem subcontractor.

Cost of the termination for an orderly cessation is estimated to be no more than \$10.5 million. The contract value of the terminated items is approximately

\$395 million. The exact number of employees affected has not yet been fully determined.

Termination will be accomplished in accordance with the terms of the contract and the Federal Acquisition Regulation.



**Ground-Based Surveillance and Tracking System  
Technology Validation Experiment (TVE)**

# Chief discusses personnel aspects of Authorization Act

BY JIM GARAMONE

A 3.7 percent pay raise, continued transition funding, a 15-year military retirement option and a \$25,000 early retirement or resignation bonus for certain civilians are among the programs approved in the fiscal 1993 Defense Authorization Act.

President George Bush signed the act into law Oct. 23.

Christopher Jehn, assistant secretary for force management and personnel, said the act is a "kind of mixed bag."

While he praised the number of positive aspects of the act, he said there were a number of elements in the bill DoD didn't want, such as a 15-year retirement option.

The option is the brainchild of Georgia Sen. Sam Nunn, chairman of the Senate Armed Services Committee. He envisioned it as a way to get mid-level officers and NCOs with between 15 and 19 years to leave the service. The formula for figuring retirement under the program is 2.5 percent of base pay per year minus 1 percent for each year below 20 years.

"We did not actively seek 15-year retirement," said Jehn. "It was a tool we didn't think we needed. We told Congress that." He said DoD will not offer the program across the board; if used at all, the program will be aimed at small and well-targeted populations.

"Most of the individuals with between 15 and 20 years' service now we need to stay in. These folks are in positions of leadership — and we need leaders to get us through this time of change and upheaval," Jehn said.

If DoD were to use 15-year retirement, personnel would mesh the offers with voluntary separation incentive and special separation benefit offers so they serve the same purpose. "We want to achieve a balanced reduction and minimize involuntary separations and continue to be fair to people," he said.

Jehn was pleased with the support Congress gave the VSI/SSB programs, but even these have changed. Separates can now receive reserve drill pay and VSI payments. "They don't have to offset their VSI because of receipt of reserve payment, but the law re-

*Department of Defense will use the civilian early retirement and resignation bonuses the same way it is using the tools to reduce the size of the military.*

— Christopher Jehn  
Assistant secretary  
for force management/personnel

quiring them to eventually repay the VSI payments upon retirement was not changed," he said.

Jehn said officials had to choose when the VSI package was first put together. Recipients who enter the reserves and ultimately retire have to repay that part of VSI associated with the years of service that go toward computing retirement. The choice was to recoup that money at retirement or while the member is in the reserves.

"We thought a sensible way to do it would be to recoup it while they are on reserve duty, when they are much younger and don't need the money as much," Jehn said. Recouping upon retirement might mean some retirees would receive no pension for several years, he remarked.

Individuals still have the option of making some of the payments while in the reserves, but Congress — in this act — said as a rule recoupment will be made from retired pay.

Another transition change gives separates travel to the place of their choice rather than home of record or enlistment point. Separates who take VSI can now use military time for civil service credit, if they get government jobs. The net effect of these changes is to make VSI/SSB more attractive, Jehn said.

He said the programs are working well, but DoD officials will continue to monitor them and to seek changes from Congress if they see the need.

**Civilian transition programs** fared well in the act. Congress authorized DoD to offer up to a \$25,000 retirement or resignation bonus to selected civilian employees. This authority runs through the end of fiscal 1997. DoD must eliminate 100,000 more positions by then. DoD must also cut overseas positions 30 percent by the end of fiscal 1996, going from about 320,000 to 192,000. He said these incentives will be tightly controlled and used to lessen the impact of reductions in force. Jehn said DoD will use the civilian early retirement and resignation bonuses the same way it is using the tools to reduce the size of the military.

"We want to achieve the right balance and minimize the use of the RIF process," Jehn said. He said DoD wants to avoid the RIF process not only because it results in involuntary separations, but also because of the turmoil and uncertainty it creates.

DoD plans to start the incentive program in January 1993.

The law now requires RIF notices be issued 60 days ahead of the reduction or 120 if it affects 50 or more people.

Jehn warned the 60- and 120-day notices will create uncertainty for the civilian work force. "They will perhaps increase the number of canceled and changed notices associated with the RIF process," he said. "Obviously, for the individuals involved, more notice is better than less."

It is likely that DoD will issue more RIF notices than they would under the old system and then not have to carry through. "What happens is once the first notice goes out, then a process called bumping and retreating begins with all the civilian employees," he said. "So you may receive a notice that your position is eliminated and you may therefore be liable to involuntary separation. If enough individuals retire or elect to leave the service, you may ultimately not lose your job. So we may cancel the first notice, but the (RIF) process may continue, meaning another RIF notice and so on."

DoD will continue the two-for-five hiring freeze — meaning that for every five vacancies, two may be filled by new hires from outside the department. "The military departments may have more stringent standards, but overall we think the two-for-five will work for us," Jehn said.

Jehn said the 3.7 percent pay raise effective Jan. 1, 1993, maintains parity between service members and DoD civilians.

DoD plans to ask for the full military pay raise allowable in fiscal 1994. Officials will determine that amount at the end of the third quarter of fiscal 1993.

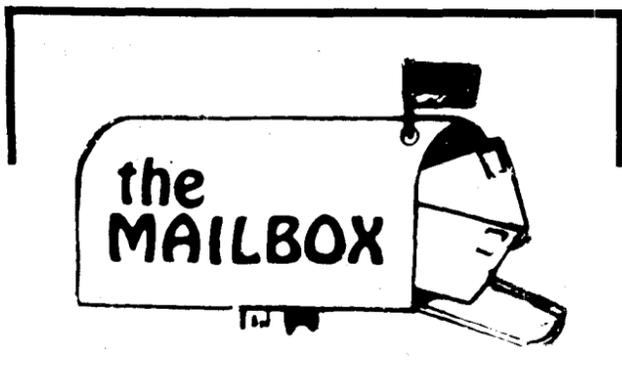
**Another military pay change** added a longevity increase at the 24-year point. "The sense was a longevity increase at the 24-year point would encourage some folks to retire at 24 years rather than wait for the longevity increase at 26, and that would ease the drawdown," Jehn said. He has no idea why there was no increase at the 24-year point up to now.

Temporary lodging expenses may now be paid for up to 10 days rather than the previous limit of four. "The ... extension will be offered at those bases with a clear shortage of affordable housing," Jehn said. "For the most part, we are talking about bases heavily impacted by troops returning from Europe." Rules will come out soon, he said.

The act requires a 5 percent cut in Senior Executive Service positions.

The act allows DoD to provide military benefits to some dependents.

"It protects those dependents of retirement-eligible members when they are separated without retirement benefits because they have been found guilty of spouse or child abuse," Jehn said. Without this law, he said, individuals suffering abuse might keep silent rather than lose their access to benefits. (Editor's note: Garamone writes for the American Forces Information Service.)



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## THE REDSTONE ROCKET

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## Installation tree lighting slated Friday

The entire Redstone community is invited to the annual Christmas tree lighting ceremony Friday afternoon in front of Bicentennial Chapel.

"This traditionally has been the official kickoff to the holiday season," said Chaplain (Capt.) Ben Collins, project officer for the Installation Christmas Tree Lighting Ceremony. The event will be held at 4 p.m. Friday in front of the chapel which is located on Goss Road.

The Westminster Christian Academy choir will sing Christmas carols. Maj. Gen. Joe Rigby, commander of the Missile Command and Redstone Arsenal, is to speak. And then a child from the Child Development Center will join him in flipping the switch to light the tree. Santa Claus and Mrs. Claus will arrive on a fire truck. After the ceremony, everyone is invited inside the chapel for refreshments in the activity room. The children will have the opportunity to talk to Santa and Mrs. Claus and receive a small gift of a stocking.

Each child should bring a canned food item for Santa; food items will be collected for the Christmas food basket program.

The tree was dedicated six years ago as the POW/MIA tree: "For those returned, thank God; for those still missing, please God," according to the plaque from the Widows or Widowers (WOW) Group of the Redstone community. Usually about 150 people at-

tend the tree lighting ceremony. In the event of rain, activities would be held inside the chapel. Parents are reminded to bring their cameras.



# SSDC shows support for Army environmental strategy

The secretary of the Army and the Army chief of staff signed "The Army Environmental Strategy Into the 21st Century" in a Pentagon ceremony Nov. 19. The goal: Make the Army "a national leader in environmental and natural resource stewardship for present and future generations as an integral part of our mission."

The Space and Strategic Defense Command is recognized as a leader in implementing the four pillars of the Army environmental strategy — prevention, restoration, conservation, and compliance — to support ongoing missions. SSDC's Environmental and Engineering Office also supports the projects managed by the Army's Program Executive Office for Global Protection Against Limited Strikes.

SSDC has been at the forefront of meeting the intensified environmental requirements in the Department of Defense acquisition process. Today a major acquisition program cannot move forward until it can document environmental compliance at each of five major decision points from concept through demonstration, development, manufacturing, operation, to inactivation or disposal. Without proper environmental documentation, programs risk legal penalties, potential cost and schedule impacts, or even cancellation.

SSDC has also been the leader in a multi-agency team developing standards for overseas activities.

## Prevention

Prevention is the first pillar of Army environmental strategy. It is achieved by applying the National Environmental Policy Act as early as possible in the life of a program. NEPA requires federal agencies to analyze the environmental impact of proposals for federal actions that could affect the quality of the physical and human environments.

The analysis may result in a Record of Environmental Consideration, for programs whose impacts would be covered by existing environmental documentation. Or it may become an Environmental Assessment or an Environmental Impact Statement, which include input from the public. These documents give a program's manager the information needed for decisions that minimize adverse environmental impacts.

For example SSDC's Strategic Target System will launch targets from the island of Kauai in Hawaii to support testing in the Strategic Defense Initiative program at Kwajalein Atoll 2,500 miles to the west.

The environmental documents prepared for the Strategic Target System resulted in changes to the program to protect the environment, include special lighting to protect an endangered seabird, blast deflec-

tors and sprinkler systems at the launch pad to protect adjacent vegetation, and commitments to delay launches if whales or monk seals are in the area. Other changes responded to public concerns, including an agreement not to transport liquid propellants by land. In addition, the documents have successfully withstood legal challenges.

Elsewhere, environmental assessments prepared for testing programs at the White Sands Missile Range in New Mexico have included measures to prevent impacts to the White Sands National Monument and the big horn sheep that live in the San Andreas National Wildlife Refuge.

To comply with NEPA and with DoD acquisition guidance, SSDC's Environmental and Engineering Office is preparing a programmatic environmental impact statement for the Theater Missile Defense program — a major acquisition program for Program Executive Office, Global Protection Against Limited Strikes.

A programmatic EIS analyzes possible environmental impacts of a proposed program from cradle to grave. Since so much is unknown early in a program, the analysis is in broad terms. But it also specifies the more detailed environmental analyses that will have to be conducted as the program develops.

Similarly, a programmatic environmental assessment is being prepared for the Theater High Altitude Area Defense system that will join Patriot in providing Theater Missile Defense capabilities for the United States.

## Restoration

The Army strategy's second pillar, restoration, aims to clean up contaminated sites as quickly as resources permit.

In 1989 SSDC prepared an environmental impact statement for the U.S. Army Kwajalein Atoll, a missile testing facility on the world's largest coral atoll, in the Republic of the Marshall Islands. This established an overall baseline of the current environment for this overseas facility, which has been in use by the U.S. military since World War II. As a result, the Army began an effort to clean up areas of this unique Pacific environment that have been adversely affected.

Some 114 cleanup actions were identified, with a projected cost of \$108 million. They ranged from installation of solid waste incinerators to using bacteria to clean up thin, oil-contaminated coral soils that cannot be removed, to developing a regulation to protect giant clams. Through fiscal 1992, 72 of the actions

have been completed, with the remainder to be completed by the end of fiscal 1995.

## Conservation

The third pillar of the Army strategy is conservation. The goal is to use all practical means consistent with Army missions to conserve, protect and enhance environmental, natural and cultural resources so that present and future generations can enjoy them.

For example, SSDC leads a multi-agency working group to develop environmental standards that will preserve the unaffected areas of Kwajalein Atoll environment. The group is adapting U.S. standards to the unique conditions in the Marshall Islands.

In some cases, the standards have to be more restrictive than U.S. standards because of the limited land mass and the fragile ecosystem. The air quality standards are more stringent than those found in the Clean Air Act since the air is more nearly pristine. In other cases the standards are less stringent because of the lower population, fewer sources of pollution, and an economy that simply can't support some approaches. Wastewater discharge standards are not as restrictive because mixing rates in the ocean are higher than those in a U.S. river or lake, and the U.S. standards are based on a more generally polluted environment.

The environmental standards that result from these efforts could provide a model for methods and processes for developing standards for other overseas activities.

Other examples of conservation involved the Strategic Target System in Hawaii. Special measures were taken in siting the project to avoid any areas containing possible cultural resources, including using a ground penetrating radar to determine if any were buried in the area. In addition, upon finding a fern the *Ophioglossum concinnum*, that the U.S. Fish and Wildlife Service had listed as a candidate for listing as a threatened species, SSDC transplanted the fern to other areas where the fern was already growing and also provided several plants to the local botanical garden.

## Compliance

The goal of the compliance pillar in the Army strategy is to ensure all Army sites attain and sustain compliance in the face of changing requirements.

For example, SSDC is the custodian for the Stanley R. Mickelsen Safeguard Complex in North Dakota. Constructed in the early 1970s, it was the nation's first — and so far, only — operational antiballistic missile

(See SSDC, cont'd on page 6)

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# 'Tis the season to schedule holiday video visits

BY SANDA MARTEL

For the fourth year, the Video Teleconference Center will set up video "visits" for Redstone military and civilian families or individuals who won't be able to make it home for the holidays.

The service is available on workdays beginning Dec. 21 and continuing through Dec. 31, from 8 to 4:30 p.m., according to Don Banes. Each participant will be allotted 30 minutes for a video visit.

Anyone interested in this service should call 876-7825 to be scheduled. The service is available in the continental U.S. only, and not all military installations may have the service available.

"Last year all TRADOC and FORSCOM installations were in the program. We haven't heard yet if all those participating last year will be (participating) this

year. People just need to call us and let us know where they want to call and we'll find out," Banes said.

While the person placing the call needs to be either military or DoD civilian, the recipient need not be; although arrangements would have to be made at the other end to get the call recipient onto the military installation to receive the video call.

With the dual monitor video capability, participants can bring photographs or other items that will be displayed on one screen while participants appear on the other screen. Up to 16 participants can be accommodated in the conference center.

Scheduling is beginning now, so call the Video Teleconference Center to set up your holiday visit with family or friends. The location is building 5250 (MICOM headquarters), room B-300.



VIDEO TELECONFERENCE CENTER — Don Banes, left, and Leon Burkholder are ready to help anyone who wants to schedule holiday video visits with friends or relatives at other military installations in the U.S.

## Christmas cantata to set tone for season

The combined chapel choirs of Redstone will present a Christmas cantata Dec. 7 and Dec. 13.

At 6:30 p.m. Monday, Dec. 7, "Emmanuel" — a Christmas cantata by Eugene Butler — will be presented at the Post Chapel. Everyone is invited. Attendees are asked to bring homemade desserts which they can share with soldiers for Soldiers Chapel Activity Night after the cantata.

The Sunday, Dec. 13 performance is set for the 11 a.m. worship service at Bicentennial Chapel. The entire community is again invited.

"The choir is made up of singers from both chapels and both Protestant and Catholic congregations," said Chaplain (Lt. Col.) David McLean. Under the direction of Dr. Royce Boyer, the choir is expected to consist of more than 50 members. They have been rehearsing since early October.

"This year's cantata is a collection of Christmas carols, from America as well as other countries, which tells the story of the anticipation, expectation and birth of Christ the Messiah," McLean said. "Along

with the songs of cantata, there will be congregational hymns and narration. This promises to be a spiritually enhancing presentation that brightens our season of celebration."

During the performances, child care is to be provided at the nursery at Bicentennial Chapel.



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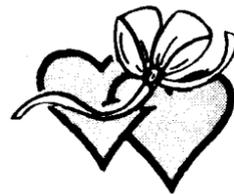
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# Hawk's Value Engineering program a big success

BY SANDA MARTEL

Eleven Hawk Project Office employees have been recognized for their ideas and contributions to the Hawk Value Engineering program, ideas that saved the government more than \$3.5 million.

They are: William Levie, \$288,000 savings for an idea to use material from a terminated container contract; Bish Tarwater, for a suggestion to eliminate certain training and save \$192,000; Russ Townsend, for the suggestion to phase out the Wackerheim facility in Germany and save the government \$1,894,000; Jaime Zapata, test program savings of \$23,000; Jerry Johnson, for two suggestions that saved \$215,000; Jane Sanders, \$200,000 savings on a RDTE fund issue; Wilson Pierce, \$325,000 savings on modular building use; Kenneth Pickett, \$440,000 on building use; Martin Atchison, \$12,000 on the use of an AT&T terminal; Terry Hill saved \$4,000 by reducing the cost of moving equipment; Sharon Boclair saved \$80,000 by suggesting that guard and escort service be eliminated at one location.

Totaled, these suggestions will save not only \$3.67 million in hard dollars but an additional \$5.59 million in future cost avoidance dollars. Not just peanuts, especially in the current environment of ever-decreasing defense dollars.

"About four years ago, when Hawk funding started diminishing and we had less to work with, we looked at new and innovative ways of getting the job done and still meet our requirements," said Jim Hinkle, Hawk project manager.

As the project office really "got into" this new mindset, it became apparent that many of the new procedures qualified as Value Engineering projects, he said.

Value Engineering is a Department of Defense initiated program that encourages both managers and workers to find better and cheaper ways to do business.

"We came to realize that we did well in the past based on large actions, but we were now at the point where there were no large actions left to improve on; that we must now emphasize that the Hawk team could achieve savings with small actions," Hinkle said.

So management set in motion a plan to enhance value engineering. First, managers would set the standard, getting involved and not just paying lip service to the program; and second, involve all employees.

"The person with the idea is the most important link in this process," which includes idea first followed by a



AWARD RECIPIENTS — Jim Hinkle, left, and Bill Chandler, right, are pictured with Hawk employees whose Value Engineering ideas netted them monetary awards. Front row, from left, are Sanders, Townsend, Boclair, Zapata. Back row, second from left, Atchison, Hill, Levie, Johnson. Not pictured are Tarwater, Pierce and Pickett.

study, then implementation followed by validation, and finally recognition, Hinkle said.

"We encourage our employees, in staff meetings and brainstorming sessions, to write up their ideas; that's the first step because the process can never start until we do that," he explained.

While the Hawk VE program has exceeded assigned MICOM goals since fiscal 1985 and received a MICOM VE award each year, it's been in the last three years that results have really been dramatic, according to Bill Chandler, the project office's Value Engineering program manager.

"For fiscal years 90, 91 and 92, the value engineering savings of the Hawk Project Office have totaled \$82 million hard dollar savings," Chandler said.

A decision in 1985 to move the Value Engineering program from Systems Engineering Division to Configuration Management Office was a smart move for the project, Chandler said.

This action separated VE from the design function and placed it in an office that already had documentation responsibility, and broadened employee

understanding of what VE was all about, which is more than design improvements.

When asked why Hawk's VE program has achieved such high success, Hinkle sums up this way: You don't have an effective program by just meeting once a month and talking about value engineering — it has to be a part of the day-to-day management.

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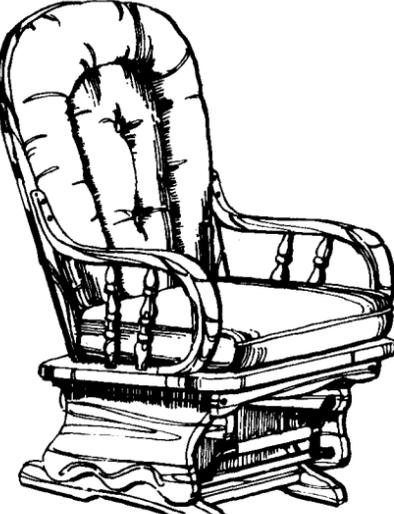
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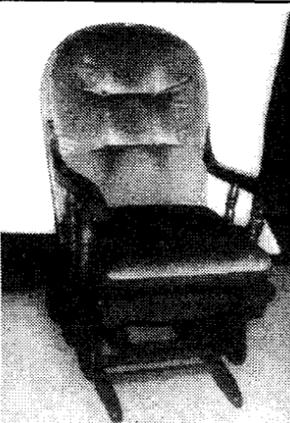


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# Volunteer gets recognition from AMC

Gisela Mullek, a volunteer who for 28 years has participated in projects benefiting both military and civilian communities, is recipient of the Army Communities of Excellence outstanding individual award.

Mullek was presented an Army Materiel Command special recognition plaque for her volunteer work, which includes Army Community Service, American Red Cross, Thrift Shop, Officers Wives Club, Catholic Chapel and Huntsville city school system.

She was nominated for the award by the Redstone

Arsenal ACOE office at the same time Redstone's package to compete for the Commander-in-Chief's award was submitted, according to Jean Keahey, ACOE coordinator.

The citation for Mullek commended her for outstanding service to the military and civilian communities, and praised her dedication and concern for others.

Her husband, Col. Paul Mullek, recently retired from the Army.

# SSDC

(Cont'd from page 3)

defense site. It was inactivated in 1976 but remains a potential deployment site for the National Missile Defense system, envisioned by the Missile Defense Act of 1991. The Safeguard ballistic missile defense system deployed there was also the first large military system to be the subject of an environmental impact statement.

Over the past two years, SSDC has implemented several efforts to restore Mickelsen Complex's compliance with up to date environmental standards. These efforts included the removal and proper disposal of all electrical equipment containing polychlorinated biphenyls; 18 underground storage tanks; 33 million gallons of water (often testing clean) from several buildings; 75 "dumpster" loads of hazardous material and solid waste; and asbestos-containing material in 10 housing units scheduled for excessing to local housing authorities.

To assist in future compliance and the development of comprehensive environmental programs for Mickelsen Complex, SSDC recently completed an environmental audit under the Army's Environmental Compliance Assessment System Program. This established the new environmental baseline for the complex.

This wide range of experiences has brought SSDC recognition from the Army and from officials of the President's Council on Environmental Quality as a leader in understanding the implications of environmental laws and regulations for mission accomplishment now and in the future.



**VOLUNTEER AWARD** — Gisela Mullek, right, was selected as the 1991-92 Volunteer of the Year for the Military Community Sustained Service Award. Here, she receives a plaque as ACOE outstanding individual award recipient from Colleen Rigby, while Maj. Gen. Joe Rigby, MICOM and Redstone commander, looks on.

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### MON-WED CLASSES

ACC 301 MANAGERIAL ACCTG  
 ACC 311-1 INTERMED I  
 ACC 311-2 INTERMED I  
 ACC 314 COST ACC  
 ACC 431 \*AUDITING  
 BLS 211 LEGAL ENVIRON  
 BLS 411 BUS LAW ACCTG  
 ECN 142 MACROECONOMICS  
 ECN 143 MICROECONOMICS  
 ECN 470 SEMINAR IN ECONOMICS  
 FIN 352 MONEY & BANKING  
 MGT 301-2 PRIN OF MGT  
 MGT 362 MONEY & LABOR REL  
 MGT 363 HUMAN RES MGT  
 \*MWF

### TIME

10:10 a.m.  
 6:00 p.m.  
 1:40 p.m.  
 10:10 a.m.  
 9:25 a.m.  
 3:50 p.m.  
 5:20 p.m.  
 6:00 p.m.  
 10:10 a.m.  
 1:40 p.m.  
 6:00 p.m.  
 6:00 p.m.  
 8:10 p.m.  
 10:10 a.m.

### MON-WED CLASSES

MGT 499-1 BUSINESS POLICY  
 MGT 499-2 BUSINESS POLICY  
 MIS 101-2 MICROCOMPUTING I  
 MIS 102-2 MICROCOMPUTING II  
 MIS 201 INTRO/COMP & INF SYS  
 MIS 310 INTRO/BUS DATA PROC  
 MIS 340 DATA BASES FOR MGT  
 MIS 412 INFO SYS DES & IMP  
 MKT 301-2 PRIN OF MARKETING  
 MKT 315 SALES MGT/PROF SEL  
 MKT 343 MARKET RES DESIGN  
 MKT 415 INTERNATIONAL MKT  
 MSC 325 QUAN METHOD IN BUS  
 MSC 385 PROD/OPERATION MGT

### TIME

6:00 p.m.  
 1:40 p.m.  
 6:00 p.m.  
 6:00 p.m.  
 10:10 a.m.  
 6:00 p.m.  
 1:40 p.m.  
 1:40 p.m.  
 6:00 p.m.  
 8:10 p.m.  
 6:00 p.m.  
 10:10 a.m.  
 3:50 p.m.  
 1:40 p.m.

### TUES-THURS CLASSES

ACC 211-1 PRINCIPLES OF ACC I  
 ACC 211-2 PRINCIPLES OF ACC I  
 ACC 212-1 PRINCIPLES OF ACC II  
 ACC 212-2 PRINCIPLES OF ACC II  
 ACC 300 FUNDAMENTALS  
 ACC 313 INCOME TAX I  
 ACC 317 GOV'T (FUND) ACC  
 ACC 450 SEMINAR/INT'L  
 BLS 211-1 LEGAL ENVIRON/BUS  
 ECN 142-1 MACROECONOMICS  
 ECN 143-2 MICROECONOMICS  
 ECN 239 ENGR & SCI STU  
 ECN 340 MACRO ANALYSIS  
 FIN 301-1 FIN MGT  
 FIN 301-2 FIN MGT

### TIME

1:40 p.m.  
 6:00 p.m.  
 1:40 p.m.  
 6:00 p.m.  
 6:00 p.m.  
 10:10 a.m.  
 1:40 p.m.  
 5:20 p.m.  
 10:10 a.m.  
 10:10 a.m.  
 6:00 p.m.  
 10:10 a.m.  
 1:40 p.m.  
 1:40 p.m.  
 6:00 p.m.

### TUES-THURS CLASSES

FIN 361 INVESTMENTS  
 FIN 378 INTERMED FIN  
 MGT 301-1 PRIN OF MGT  
 MGT 302 CONTRACT ADMIN  
 MGT 303 COST & PRICE ANALY  
 MGT 460 EMPLOYEE TRNG & DEV  
 MGT 470 SEMINAR IN MGT  
 MIS 101-1 MICROCOMPUTING I  
 MIS 102-2 MICROCOMPUTING II  
 MIS 210 INTRO COMP PROG IN BUS  
 MIS 301 INF SYS ORGANIZ  
 MIS 400 DECISION SUPPORT SYS  
 MKT 301-1 PRIN OF MKT  
 MKT 470 SEMINAR IN MKT  
 MSC 287 STATIS ANALYSIS

### TIME

10:10 a.m.  
 1:40 p.m.  
 1:40 p.m.  
 6:00 p.m.  
 3:50 p.m.  
 6:00 p.m.  
 3:50 p.m.  
 3:50 p.m.  
 3:50 p.m.  
 1:40 p.m.  
 1:40 p.m.  
 7:30 p.m.  
 10:10 a.m.  
 3:05 p.m.  
 1:40 p.m.

### GRADUATE CLASSES

#### MON-WED CLASSES

ACC 614 ADVD MANAGERIAL  
 BLS 511 BUS LAW FOR ACCTS  
 MGT 623 OG THEORY  
 MGT 698 STRATEGIC MGT  
 MKT 515 INT'L MKT  
 MSC 642 MGT SCI PRO MGT

#### TIME

5:20 p.m.  
 5:20 p.m.  
 5:20 p.m.  
 5:20 p.m.  
 10:10 a.m.  
 7:30 p.m.

#### TUES-THURS CLASSES

ACC 550 SEMINAR/INT'S ACC  
 MGT 570 SEMINAR IN MGT  
 MGT 671 ACQ MGT  
 MIS 500 DEC SUPPORT SYS/EXP SYS  
 MIS 634 SEMINAR/MGT INF SYS  
 MKT 570 SEMINAR IN MKT

#### TIME

5:20 p.m.  
 3:50 p.m.  
 TBA  
 7:30 p.m.  
 5:20 p.m.  
 3:05 p.m.

# TMDE Activity plans Christmas dinner-dance Dec. 18

TMDE Activity is among the many Army organizations that will welcome the Christmas holiday season with a party.

All Test Measurement and Diagnostic Equipment Activity employees, retirees and guests are invited to a dinner-dance Friday, Dec. 18 at the Officers Club. Social hour starts at 6 p.m. (no host bar) with a candlelight dinner at 7 featuring the club's prime rib entree with salad, baked potato, vegetable, coffee, tea, rolls and dessert.

Kirk Moore, a local disc jockey, is to provide the music for dining and dancing. Cost for the evening is \$20 per person.

Tickets are available from each TMDE division secretary, or call Lee Flecker 842-2709.



FIRST TICKETS SOLD — From left Bob DuBois, director of TMDE Activity, and his wife, Karen, buy the first tickets from Ann Ham and Lee Flecker, party committee members from TMDE's Logistics Directorate. The Activity's Christmas dinner-dance will be held Dec. 18.

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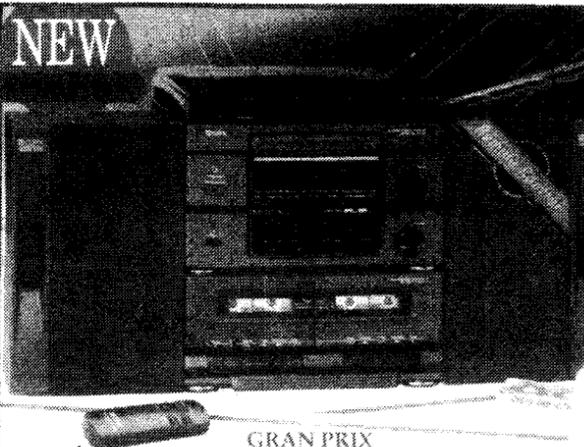


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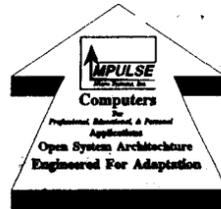
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# Total-quality cadre day brings success stories, advice

About 150 members of the Missile Command's Total Quality Management cadre heard success stories from elsewhere during their quarterly in-service training Nov. 17.

The Research Development and Engineering Center served as host this time for TQM cadre day which was held at the Officers Club. This was the fifth such event, each of which is sponsored by a MICOM organization.

Guest speakers included Col. Carl Canter from Wright-Patterson Air Force Base; and Jack Crilly, district manager from Xerox. Canter discussed how the Aeronautical Systems Center has become a quality improvement prototype winner. The main thing was attitude, he said; they "simply wanted to get better and lead the way." ASC came up with a vision and laid out some objectives it wanted to reach; the center measured its objectives and met frequently with the customer. Canter discussed internal focus as well as external focus. "Let's make the organization great from the inside out as well as from the outside in," he said.

"We cannot contract for a cultural change," Canter said, explaining that this change must come from within the organization itself.

Crilly talked about Xerox's use of Total Quality Management. The copier company, recipient of the Malcolm Baldrige Award, set out milestones and objectives to reach its vision of being the best in the business. Getting to know your customer and responding to their wishes is vital in developing a quality organization, Crilly said.

During the program Col. Arthur Meier, deputy director of Research Development and Engineering Center, honored Tom Shaw for his work as chief of RDEC's TQM office. Mel Waters, the command's TQM officer, presented certificates to those who participated in the Quality Symposium held in October.

Truman Howard, associate director for product assurance, spoke about the progress the command has made in Total Quality Management and how the community must not become satisfied, but should continue building on this foundation and "make TQM a way of life."



RDEC FACILITATORS — Col. Meier poses with RDEC's Total Quality Management facilitators.

## Transition Support Group meets Monday

The support group aimed at helping soldiers and civilians undergoing career transition will meet 1 p.m. Monday, Dec. 7 at Bicentennial Chapel.

The Transition Support Group is trying to assist people during the reshaping of the civilian and military force at Redstone Arsenal, according to Chaplain (Lt. Col.) David McLean.

"All the information hitting our newspapers is reminding us of the uncertainties; but what the support group stresses is that there are a number of things that we can be certain of," he said. "And basically we're trying to enable people, and one another, to realize that we are changing; and even though this change may be painful, we are continuing to develop as human beings."

At this meeting, Virginia Dempsey of Army Community Service is to present a segment on stress management.

"What I would like to encourage people to do is to be a part of this group so that they can find support and can also offer support to other people," McLean said. "The Transition Support Group meets regularly the first Monday of each month at 1 p.m. at Bicentennial Chapel. And it's open to civilians, family members, retirees, military and anyone else who's experiencing transition in their life or their vocation."

For more information, call McLean at 876-5707 or call the Army Career and Alumni Program (ACAP) office 955-6487.

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# Technical test center honors late deputy director

BY SKIP VAUGHN

The headquarters building for Redstone Technical Test Center was dedicated Monday in memory of the RTTC deputy director who died this year.

James W. Daniel, the deputy director since 1989, died in January from a heart attack. Building 8716 was named the James W. Daniel RTTC Headquarters Facility in his honor Monday afternoon in a ceremony attended by family members, center workers and Missile Command officials.

"Jim was a good friend, an outstanding co-worker, a true professional manager and a wonderful person," said Larry Johnson, director of the RTTC.

A tenant organization on Redstone Arsenal, the RTTC is under the Test and Evaluation Command which is based at Aberdeen Proving Ground, Md. "Jim Daniel was a fine husband and father, a tribute to his community and a topflight engineer," said Raymond Pollard, technical director of the Test and Evaluation Command.

Jimmy Daniel, speaking on behalf of the family, said "we're deeply honored for this memorial to my father."

"Knowing how much you meant to him makes this dedication very special to us, and we thank you," Daniel told the RTTC workers.

James W. Daniel was born in 1936 in Seneca, S.C. He received a bachelor's degree in mechanical engineering in 1959 from Auburn University. After graduation he enlisted in the Army Reserve and served six months active duty at Fort Jackson, S.C. In August 1960, Daniel came to the Test and Evaluation Directorate as a civilian test engineer and served more than 30 years in that organization. His key job assignments included chief of dynamics test function from 1976-80, chief of systems test division from 1980-86, chief of mechanical test division from 1986-89, and deputy director of RTTC 1989-92.

Survivors include his wife, Judy; children Carol Ballard, Jimmy and Vince; grandchildren Caroline and Aubrey; mother, Mildred Daniel; and sisters Molly Nicholson and Ann Seckler.

A plaque that now hangs in a permanent location inside the front entrance of the Redstone Technical Test Center reads as follows: "The James W. Daniel RTTC Headquarters Facility; in honor of his service and leadership, this facility is dedicated to the memory of James W. Daniel 1936-1992."

RTTC includes about 170 Army civilians and approximately 400 contractor employees. Its mission is the test and evaluation of missile systems and small rocket systems.



IN JIM'S MEMORY — A plaque in memory of James W. Daniel is unveiled during the ceremony at the RTTC headquarters by his wife, Judy, and Larry Johnson, director of the Redstone Technical Test Center.



PICNIC HELPERS — On Nov. 23, Acquisition Center workers involved in putting on the annual Redstone Arsenal Community Family Picnic held Sept. 12 received awards from the Missile Command commander. In front row, from left, are Rebecca Moore, Patricia Golden, Joan Lott, Gloria Reising, David Salinas, Bobbie Flory, Willie Littlepage and Capt. Chad Dalzin. In middle row, from left, are Gerald Hatley, Leroy Williams, Cliff Hudson, Velvet Perry, Connie Goodwin, Jeannie Sharpe, Capt. Stephen Leisenring and Dwight Kimbrell. In back row, from left, are Rusty Helms, Lane McGee, Chris Evans, Jim Brown, Capt. David Veech, Noretta Byrd, James Ganoce, Anthony Grayson and Johnny Kilpatrick.

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# Full-service travel company serves Redstone people

BY SKIP VAUGHN

A travel office owned by major U.S. airlines has been serving Redstone Arsenal travelers for nearly 40 years.

SatoTravel books the lowest cost and best schedule it can find for its customers in accordance with government guidelines on official travel. It also serves Redstone customers with any of their airline travel needs or for tours or cruises.

"We are a full-service travel company," says Don Davis, manager of the SatoTravel complex. There are three offices: the Main Office Location on the first floor of building 112; the leisure office on the second floor of that building; and the SSDC office at the Space and Strategic Defense Command which serves members of that command and the Corps of Engineers. In the planning stages is a possible move for the leisure office to the Post Exchange mall so that it can be more accessible to the Redstone community.

Three percent of the revenue from leisure travel is returned to the Morale, Welfare and Recreation fund at Redstone. As of Nov. 25, this represented a contribution of \$29,705 to the fund so far this year.

"Military, retirees, all civilians, contractors — anybody that is on Redstone Arsenal we consider our customers," Davis says. "We cannot solicit any kind of business outside of Redstone Arsenal; we are limited to that."

There are two things that distinguish SatoTravel from other travel companies: One, being airline-owned, it can book the lowest cost and best schedule for its customers that it can find, following government guidelines on official travel. Secondly, SatoTravel does nothing but government travel; its offices only operate on government installations.

The Redstone office is among 900 SatoTravel offices throughout the United States; the main headquarters is in Arlington, Va. "SatoTravel is a billion-dollar company," Davis says.

In working with government fares, there are limitations. Government contract fares are negotiated by the General Services Administration and the airlines. They negotiate by city pairs. This means SatoTravel is required to use the contract carrier for a particular city pair: such as a trip from Huntsville to Dallas/Fort Worth. SatoTravel has to use the contract carrier for that particular route as long as the time schedule meets requirements. "Our Redstone travelers that we deal with on a daily basis are just outstanding clients to deal with. They understand our limitations in working with government fares," Davis says.

SatoTravel originated about 40 years ago as what



TRAVEL TEAM — Among the members of the SatoTravel team are, from left, Theresa Befecadu, Don Davis and Tammy Rundlett.

was then called the Joint Airline Military Traffic Office which involved all the airlines. The name was changed in 1970 to the Scheduled Airline Traffic Office or SATO. In 1985 the organization was completely restructured and became a corporation, owned by the major U.S. airlines. The most recent name change, to SatoTravel, was aimed at dispelling a popular misconception. "SATO was thought of as an acronym for a government office; and we now want to make everyone aware that we are a full-service travel company and that we have all of these wonderful travel products at the best possible value," Davis says.

"We sell air travel which is our primary vendor. We also have rental cars, hotels, numerous tour and cruise lines, Amtrak, and Brit Rail," he says. Davis, 48, a native of Pulaski, Tenn., has been the SatoTravel manager here for four years. A Delta airline employee the past 25 years, he has been in the Sato program for 18 of those years. His travel career began as a travel specialist in the Air Force.

SatoTravel's 20-member staff at Redstone includes eight airline employees and 12 Sato Inc. employees. "We have a little over 300 years experience all total,"

Davis says. Chester Maples has been with the office since 1956; and Jean Roddy, a member of the four-member staff at SSDC, has been here since 1958.

Several members are from other countries. In the leisure office Dominique Thornton is from France and San Lee Tolgo, branch manager, is from Korea. Theresa Befecadu, branch manager for the main office location, is from Ethiopia; and Inge Acreman, a member of that office, is from Germany.

SatoTravel books official travel for thousands of people here, and provides leisure travel for hundreds of folks, according to Davis.

"We are not contractors here at this time; it's possible that could happen within the next year. But Redstone Arsenal Sato has been here almost 40 years and we have been here as guests operating under a memorandum of understanding. And we have a wonderful time here with all of the support of everyone involved. Everybody's cooperativeness and friendliness has just merged into a wonderful relationship for a long time; and that is very valuable to myself and all of the Sato staff," he says.

The main office on the first floor of building 112 is open from 7:30 a.m. to 4:30 p.m. Monday through Friday. The leisure office is open from 8-4:30 Monday through Friday; if it moves to the PX mall, the leisure office will probably add Saturday hours. The SSDC office, under branch manager John McFarland, is open from 8-4:30 Monday through Friday. Phone numbers include 881-6772 for the main office location, 881-8626 for the leisure office, and 955-4440 for the SSDC office.



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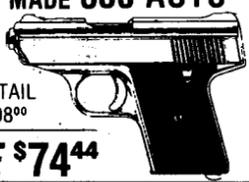


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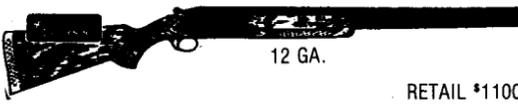


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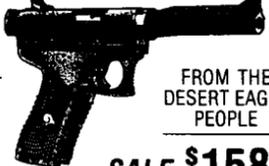
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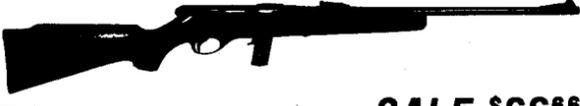


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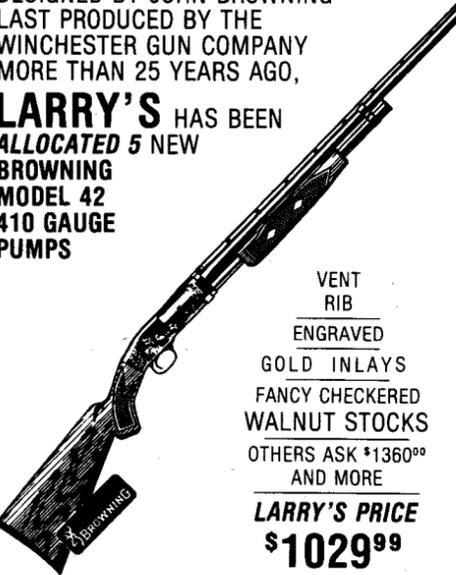
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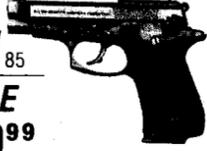
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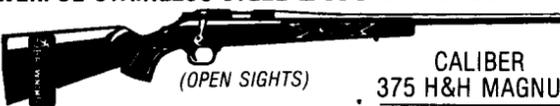


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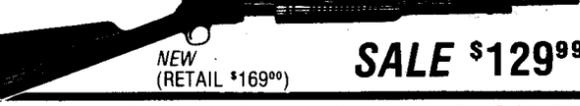


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# Strategic Defense Christmas party coming soon

**BY GERDA SHERRILL**

The Space and Strategic Defense Command annual Christmas dinner/dance is only 10 days away!

All present and former employees of SSDC, the Program Executive Office for Global Protection Against Limited Strikes, and their predecessor organizations — e.g. PEO-Air Defense, BMDSCOM and Safeguard — are invited to the dinner/dance at the Officers Club, Saturday, Dec. 12. Social will start at 6 p.m., followed by dinner at 6:45, entertainment at 8, and dancing at 8:30.

Dance music will be provided by the Noteables Jazz Combo, featuring Carol Huff, soloist. The Randolph School Choir and disc jockeys "Hook & N" will also entertain.

Attendees will have a chance to win door prizes, according to Maj. Margaret Withrow, Christmas Committee chairperson. The dress will be business suits for gentlemen and cocktail attire for ladies. Tickets at a cost of \$15 per person are available through Dec. 7

## Applications available for apprentice program

The eighth Department of Defense Science and Engineering Apprentice Program (SEAP) for high school students will begin June 21 and extend through Aug. 13.

The program is highly competitive and is open to U.S. citizens who are students in grades 10-12. Candidates should demonstrate high aptitude and interest in science, mathematics, and engineering subjects. Missile Command scientists and engineers will serve as mentors for this program. All assignments will be at the Missile Command. Family members of government employees are eligible to participate in this program.

Applications may be received after Dec. 2 from senior counselors at area high schools in north Alabama and southern Tennessee. The deadline for submitting all materials is Feb. 19.

The College Apprentice Program is designed especially for college students who were previous participants of SEAP. This program is not open to the general college population, rather it is intended to continue the technical and professional relationships established between the SEAP mentors and students who were in the high school program. Students must be enrolled in undergraduate majors of engineering, computer science, or other technical fields. Applications will be mailed directly to students who were in the SEAP or the CAP.

Both programs are administered by the Weapons Sciences Directorate of the Research Development and Engineering Center.

from Withrow 955-4010, Zella Ward 955-3513, or your SSDC or PEO-GPALS office ticket representative. Office tables (seating eight) are available.

**Individual office parties** are scheduled for Dec. 14-17 and the Annual Open House for employees, family and friends will be held Dec. 18. Christmas gifts for foster children will be presented to the Foster Children's Alliance of Madison County (FOCAL) during the Open House. FOCAL is a local nonprofit organization working directly with foster parents and foster children. The Open House will also feature Christmas caroling and visits from Santa Claus and a local magician. Individual offices are invited to set up tables in the hallway for the traditional Christmas treats.

## Troop bowling

Here are the troop intramural bowling standings as of Nov. 30:

Tuesday's Conference	W	L
MEDDAC	178	122
E Company 832nd-3	170	130
F Company MSTD	165	135
HHC MICOM (Airfield)	162.5	137.5
Navy	157.5	142.5
HHC 832nd-1	154.5	145.5
E Company 832nd-2	151.5	148.5
NCO Academy	147	153
HHD, USATSG	146.5	153.5
B Company 832nd-1	136	164
Readiness Group-1	127.5	172.5
Readiness Group-2	103	197

200 games bowled Nov. 24:

Phil Mosley (MEDDAC)	255
Russ Horn (Airfield)	221
Ron Field (Readiness Grp-2)	214
Dawn Pennington (Airfield)	206

Thursday's Conference	W	L
F Company DOTD	192.5	107.5
HHC 832nd-2	178.5	121.5
B Company 832nd-2	161.5	138.5
E Company 49ers	161	139
E Company 832nd-1	152	148
F Company IFTE	152	148
F Company Equate	139.5	160.5
I & I Hooters	138	162
F Company Five Kilos	136	164
HHC MICOM	132.5	167.5
E Company Master Blasters	129	171
E Company EOD	127.5	172.5



**RETIRING** — Clarence Bray receives a certificate of retirement and certificate of appreciation from Col. Walter Colberson, director of Intelligence and Security, upon retiring Nov. 3 with 35 years of government service. Bray's co-workers at the Intelligence and Security Directorate held a retirement party in his honor.

## CORRECTION

In the Mortgage Alabama advertisement that appeared in the November 25, 1992 Redstone Rocket, the 30 year ARM portion of the ad stated 3/4 Discount. It should have read:

**0 Discount**



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# Scale model missile gives display touch of realism

BY SKIP VAUGHN

Members of the devices branch at the missile school created an MLRS scale model which will be part of a display Dec. 7-10 in San Diego, Calif.



**AUTHENTIC LOOKING** — This MLRS model is one-sixth the size of the real thing. Complete with rocket pods and painted in camouflage colors, the model can roll on its tracks; and its launcher can rotate and elevate.

The model, one-sixth the size of a Multiple Launch Rocket System, was built at the request of the Computer-aided Acquisition Logistics Support (CALs) office at the Integrated Materiel Management Center.

"We built it in this shop (at building 3775) and we used two military machinists and a military welder and some civilian model makers," said Randy Porter, chief of the devices branch which is part of the training support division at Ordnance Missile and Munitions Center and School.

The CALs office requested the model be a certain height, and the devices branch determined the scale from that. The devices branch took more than a thousand measurements of an actual Multiple Launch Rocket System, and converted to scale by using a computer.

Soldiers and civilians in the devices branch started working on the project Sept. 4 and finished it Nov. 13, while still fulfilling their normal duties for the missile school. "We're usually limited to building training devices for the school and TRADOC (Training and Doctrine Command); but occasionally we'll build models like this. It worked out where they asked for it at a convenient time," Porter said.

The project gave the soldiers an opportunity to work in their military occupational specialty. "It just afforded them some good experience because it involved a lot of different phases of metal work," Porter said. Workers included Spec. Cory Fox, machinist; Sgt. Brian Cogdill, welder; Van Hollis, machinist; Dan Barksdale, sheet-metal mechanic; Kenneth Kilpatrick, plastics fabricator; and Robert Driver, painter. "I want to give a special thanks to some of the people

who helped us over in the school: SFC Raymond C. Allen and his department — the missile systems training department, land combat division," Porter added.

Cindy Carlisle, of the CALs office at the Integrated Materiel Management Center, said the model was built for display at the CALs Exposition '92 in San Diego the week of Dec. 7-10. "The reason we selected MLRS to display was because we're going to be demonstrating Interactive Electronic Technical Manual efforts," she said. "MLRS Improved Fire Control System is the first MICOM IETM effort starting with design data. MLRS Improved Fire Control System has contracted for a complete IETM with no paper supplement — that means all their tech manuals are going to be on computer instead of paper. Other efforts to be displayed in the automated publications

exhibit include Patriot IETMs, and an Avenger IETM."

The scale model of the Multiple Launch Rocket System was built out of steel, aluminum and plastic. Material cost was \$371. The model weighs 195 pounds and can roll on its tracks. Its launcher can rotate and elevate; and with launcher raised, the model stands about 3 feet high. "Every detail is on there exactly the way it's supposed to be," Carlisle said.

"I would like to thank them (the devices branch) for their cooperation, their time and dedication," she said.

After the trip to San Diego, the scale model is to be displayed at the missile school and then probably at either the Integrated Materiel Management Center or the Missile Command headquarters building.



**FABRICATION TEAM** — From left are Dan Barksdale, Van Hollis, Spec. Cory Fox; Cindy Carlisle, whose office requested the scale model; Kenneth Kilpatrick and Robert Driver.

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<p><b>Winterize Special</b></p> <ul style="list-style-type: none"> <li>• Flush Radiator</li> <li>• Check Belts, Hoses &amp; Water Pump</li> <li>• Refill System (incl. 1 gal. antifreeze)</li> <li>• Check Coolant</li> </ul> <p style="text-align: right;"><b>\$29<sup>95</sup></b></p>	<p><b>Clutch Replacement</b></p> <ul style="list-style-type: none"> <li>• Replace Clutch Disc &amp; Pressure Plate</li> <li>• Replace Throwout Bearing</li> <li>• Inspect &amp; Resurface Flywheel When Needed</li> </ul> <p style="text-align: right;"><b>\$100<sup>00</sup></b></p> <p style="font-size: x-small;">Most Conventional Cars &amp; Trucks Most Front Wheel Drive Cars</p>
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7176 CHRYSLER S.B.	189.99	2176 CHRYSLER S.B.	174.79
7121 FORD 289-302	149.99	2121 FORD 260-302	134.99
7181 FORD 351-W	189.69	2181 FORD 351W	169.99
7111 OLDS 330-403	179.99	2171 FORD 351-400M	179.99
		2665 FORD 351C 4V	129.99
		2105 FORD 332-428	234.99
		2166 FORD 429-460	181.85
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**Do You Know**

When did Martin Luther King Jr. receive the Nobel Peace Prize?  
**1964**

When did the U.S. Supreme Court rule that segregation on buses was unconstitutional?  
**1956**

Where was Martin Luther King Jr. assassinated?  
**Memphis, Tenn.**  
(1968)

Why did Martin Luther King Jr. go to Memphis in 1968?  
**support striking sanitation workers**

When was Martin Luther King Jr.'s birthday first observed as a legal public holiday?  
**1986**  
(Jan. 20)

From what college did Martin Luther King Jr. receive his doctorate?  
**Boston College**  
(1955)

Where did Martin Luther King Jr. first serve as pastor?  
**Dexter Ave. Baptist Church**  
(Montgomery, Ala.)

What organization did Martin Luther King Jr. begin in 1957?  
**Southern Christian Leadership Conference**

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# Army Cadets picked to run past Navy Midshipmen

BY SKIP VAUGHN

The Cadets of Army and the Midshipmen of Navy will meet on the gridiron Saturday for the 93rd time.

Navy has a slight edge in this series with 43 wins to Army's 42; there have been seven ties. Last year the score was Navy 24, Army 3.

This has been another disappointing year for both teams, particularly Navy. Army's record stands at 4-6 while hapless Navy is only 1-9.

Flip a coin on this one, but I think Army's running game will be the difference. My pick for Saturday's annual classic in Philadelphia is...**Army**.

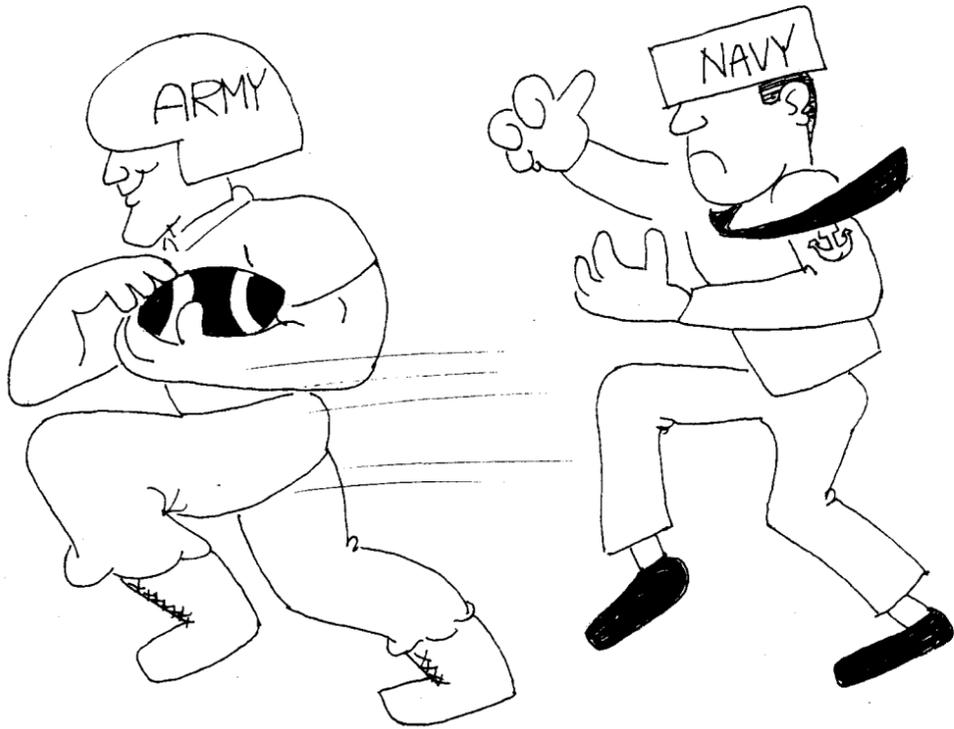
And now for a little history lesson. The Army-Navy series began in 1890 after a challenge issued by the Naval Academy was accepted by the Cadets. A cadet named Dennis Michie served as the coach, playing captain, trainer and business manager for the first Army football squad. According to *The Illustrated History of Sports at the U.S. Military Academy*, the team's uniforms consisted of canvas jackets, black socks, white breeches and a black woolen cap. Team members purchased the uniforms.

A more experienced Navy team won the first game 24-0 but, just one year later, Army defeated the Midshipmen 32-16. Michie, Army's star, and Worth Bagley, Navy's great quarterback, shook hands and vowed to meet again as a mark of friendship. Both men were killed in action during the war against Spain in 1898.

Through the years, Army's "Black Knights of the Hudson" have been led by such athletes as running backs Doc Blanchard and Glenn Davis in the 1940s. The Navy Midshipmen had quarterback Roger Staubach in the 1960s and tailback Napoleon McCallum in the early 1980s.

Elsewhere this weekend, Florida faces Alabama in the first ever Southeastern Conference playoff game. My pick for this matchup in Birmingham is...**Alabama**.

Skip's Picks went 11-2 last week, bringing the season totals to 308-126-9 for 71 percent. Here are my picks for the final weekend of the regular season in major college football:



Army vs. Navy — Army by 7.  
Florida at Alabama — Bama by 7.

Kansas St. vs. Nebraska — Neb. by 17.  
Pittsburgh at Hawaii — Hawaii by 14.

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**1992 FORD ESCORT LX**



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2 door, automatic, tinted glass, fully loaded, moon roof, rear spoiler, This is one great looking Car! (3F250B)

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# Announcements



## Women engineers

North Alabama Chapter of the Society of Women Engineers will meet at 6 p.m. Friday at the Steak and Ale. All area engineers are invited to attend and bring their spouse or a guest. This will be a social meeting. For more information, call Claudinette Purifoy 876-1642.

## Warrant officers

The Redstone Arsenal chapter of the U.S. Army Warrant Officers Association will have its next meeting at 7 a.m. Dec. 9 — buffet breakfast costs \$3.95 — at the Officers Club. "We are soliciting new members as well as current members who are not active at this time. The ever changing situation in the military makes it necessary for all of us to be aware of local and national issues. The integration of MOS's and the reduction of warrant officer slots worldwide should motivate each of us to work toward common goals. Each warrant officer, both active or retired, WO 1 through CWO 5, has much to offer in terms of experience and enthusiasm." For more information call Steve Henderson, chapter president, 842-2471 or Bob Borden 876-1909. RSVP to Borden by Dec. 7.

## Business association

The Black Business Association will sponsor its first annual banquet 6 p.m. Dec. 20 at Athens State ballroom. Scheduled speaker is Judge R. Eugene Pincham of Chicago. Cost is \$12.50. For more information, call Donald Finney 232-2292.

## OMMCS formal

The Ordnance Missile and Munitions Center and School will have its holiday season formal/hail and farewell Friday, Dec. 4 from 6 p.m. to midnight at the Officers Club. SSgt/GS-5 and above are invited. A band, Fridays, will play dance music. The dress is formal. Cost is \$20 per person; tickets are still available. Call your department point of contact for tickets and more information. These include Sgt. Maj. Sibia 876-2910 (office of the commandant, command historian, branch safety office, threat office, TRADOC munitions system, office of inspector general, TRADOC project office EOD, equal opportunity, office of chaplain, and school secretary); 1st Lt. Hindman 876-1428 (personnel proponent); Mr. Barger 876-1461 (directorate of reserve component); 1st Sgt. Ragguci 876-2788 (NCO academy); SFC Nieves 842-2223 (832nd ordnance battalion and Marine Corps detachment); Meg Watson 876-3023 (resource management); CWO 2 Borden 876-1909 (directorate of training); MSgt. Morales 842-9785 (directorate of evaluation and standardization); Capt. Calhoun 842-9873 (munitions training department); Jack Rist 876-6593 (EOD training department); CWO 4 Ritter 876-8137 (missile support training department); MSgt. Cothran 876-6655 (electronics/tech training department); and Capt. Fabozzi 842-6861 (CBT development).

## ID card facility

The ID Card issuing facility will be open Saturday, Dec. 5 from 9 a.m. until 3 p.m. "Active duty personnel in uniform will not — repeat *not* — be given preference on this day." Individuals with questions concerning this opening should call 876-5430.

## Youth services

A preteen dance is scheduled for Dec. 4 from 7-9:30 p.m. There will be a \$1 admission charge, and one guest per member will be allowed. For more information, call 876-6566.

## Redstone Christmas Party

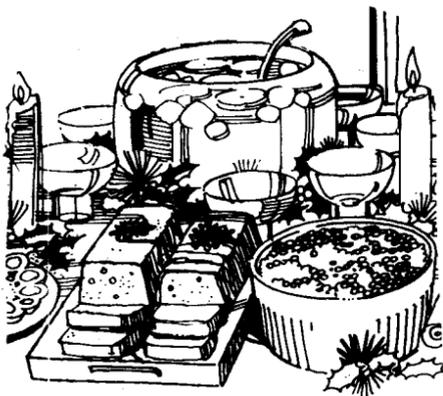
The 1992 Redstone Arsenal Christmas Party will be held Friday, Dec. 11 at the Officers Club ballroom. The entire Huntsville area Army family (civilian, military and retiree) is invited. Social (cash bar) begins at 6:30 p.m., dinner at 7:15, entertainment at 8:15 and dancing at 9. Music will be provided by Mr. and Mrs. Gordon Henry, and by Four On the Floor Band. Magician Russel Davis will add a little magic to Christmas with his magic show. Military dress is: Army Blue/mess dress with bow tie; optional enlisted, Class A Army Green (female with skirt) with white shirt, black bow or four-in-hand tie/neck tab/name plate. Civilian dress is business suit/cocktail attire. Cost is \$15 per person. For reservations, call Shirley Leonard of Protocol Office 876-7135.

## VE kickoff luncheon

The Value Engineering Office will have its annual kickoff luncheon Dec. 9 at the Officers Club. The purpose of the luncheon is two-fold: first, to recognize the Missile Command community elements that have made fiscal 1992 a successful year; and second, to launch into another successful year in FY 93. Maj. Gen. Joe Rigby, commander of the Missile Command and Redstone Arsenal, is the scheduled speaker and is to present VE certificates to various VE coordinators and contract personnel who helped make FY 92 a great year. All project managers, VE coordinators, and their supervisors are invited and urged to attend. For tickets call Nancy Sims in the command VE office 842-9418.

## Black History Month planning

The second meeting of the Black History Month planning committee is set for 9 a.m. Thursday, Dec. 3 in room B-200, building 5250. This will be a working meeting to discuss and plan activities for Black History Month, 1993. Anyone interested in serving on this committee should plan to attend. For more information, call Bonnie Kilgore of the EEO Office 876-8946.



## IMMC Christmas party

The Integrated Materiel Management Center (IMMC) Christmas party will be held at the Challenger Club on Dec. 5. Social begins at 7 p.m., and the band at 8. The band will be Denim. Dress for attendees is casual. There will be hors d'oeuvres, and a cash bar. All MICOM employees and retirees are invited. Tickets cost \$9 each. For tickets call Linda Miller-King 876-2555.

## Quality of Life survey

Army Community Service is recruiting volunteers to form a committee to sort, review and compile information gathered from the annual Quality of Life survey conducted each year at this time. Volunteers should have good writing skills and be able to commit at least four hours weekly during December-January to this effort. If you are interested or would like more information, call Norma Dalton of ACS 876-5397.

## Smoking cessation

A Smoking Cessation Support Group session, open to former smoking cessation class participants, will be held from 1-2 p.m. Dec. 7 in the MEDDAC classroom at Fox Army Community Hospital.

## Scientific information center

The Redstone Scientific Information Center will be closed for a staff meeting from 8 a.m. to 2 p.m. Dec. 17; RSIC will be open from 2 until 7 p.m. The center will have the following hours during the holidays: Dec. 21-23 from 8 a.m. to 4 p.m.; Dec. 24, from 8 until noon; Dec. 25, closed; Dec. 26, closed; Dec. 28-31 from 8 a.m. to 4 p.m.; Jan. 1, closed; and Jan. 2, closed.

## Friends of German Culture

The Friends of German Culture will have its annual Christmas banquet at 11:30 a.m. Dec. 6 at the Huntsville Hilton, Heritage Room. Menu includes roasted cornish game hen with raspberry sauce, wild rice pilaf, vegetables, rolls and butter, and chocolate truffle cake. Entertainment will be provided by Twickenham Singers. Price is \$15. For more information, call 883-1005.



## Children's center

Children from the Child Development Center and Family Child Care will be caroling at the Officers Club at 10:30 a.m. Dec. 8 for senior citizens. Call 876-3704 for more information.

## Accountants/comptrollers

The North Alabama Chapter of the Association of Government Accountants and the American Society of Military Comptrollers will hold their annual joint luncheon meeting Dec. 10 at 11:30 a.m. at the Holiday Inn (Madison Square Mall). Scheduled speaker is Ron Hovell, director of the Columbus Defense Finance and Accounting Service Center. For reservations, call Jo Ann Blue 876-7986 or Pam Hunt 876-2401.

## Enlisted Club

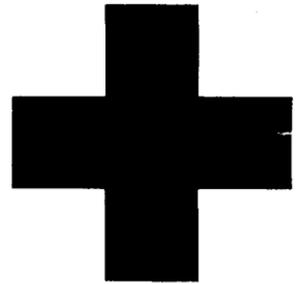
"Hot" Country Night will be held at the Enlisted Club on Saturday, Dec. 5 from 8 p.m. until 1 a.m. There will be a Best Dressed Western Wear and a Country Dance Contest; \$25 to winners of each. Everyone is welcome. For more information, call 876-6595.

## Post Theater movies

Thursday — *Wind*, rated PG-13, 137 minutes. Friday — *School Ties*, PG-13, 107 minutes. Saturday — *Honeymoon in Vegas*, PG-13, 95 minutes. Sunday — *Honeymoon in Vegas*. Tuesday — *1492 Conquest of Paradise*, PG-13, 153 minutes. All shows begin at 7 p.m. Admission is \$1.50 for adults, \$1 for children.



Call 876-1500 to place your free carpool ad.



## Red Cross courses

**Adult CPR:** The Madison County Chapter of the American Red Cross will conduct an Adult CPR course from 6-10 p.m. Dec. 3 at the Red Cross building, 1101 Washington St. Cost of the four-hour course is \$20. Participants can preregister by calling 536-0084 extension 320. **Community CPR:** Madison County Chapter of the American Red Cross will conduct a Community CPR course Dec. 7-8 from 8:30 a.m. to 12:30 p.m. at the Red Cross building, 1101 Washington St. Cost of the eight-hour course is \$25. Participants can preregister by calling 536-0084 extension 320. This Community CPR course will teach rescue breathing, emergency techniques for choking and CPR skills for adults, children and infants.

## Resource managers

Redstone/Huntsville Chapter of the American Society of Military Comptrollers will have its monthly luncheon Dec. 10 at 11:30 a.m. at the Madison Square Holiday Inn. This is the Christmas Celebration with Association of Government Accountants. For reservations call Shelly Hart 722-1906 or one of the reservation members.

## RDEC blood drive

The American Red Cross bloodmobile will be in the east parking lot of building 5400 from 6:30 a.m. until 12:30 p.m. Dec. 4. All donors are asked to register in the guard trailer. Appointments are necessary; call Mary Keegan 876-3085 to make your appointment. Cancellations, please call.



## OWC Christmas brunch

The Officers Wives Club will host a special Christmas/Senior Citizens' Brunch on Tuesday, Dec. 8 at the Officers Club. OWC members are asked to arrive at 9:30 a.m. to help greet our guests from the Huntsville Senior Center. "Come and enjoy a delicious brunch, fabulous entertainment and all the holiday trimmings. You will not want to miss the opportunity to be part of 'The True Spirit of Christmas'." Call for reservations no later than noon Friday, Dec. 4 to Martha Owens 772-0659 or Sheila Wilson 882-6722.

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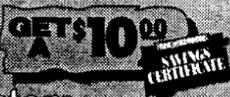


Give yourself a Gift Certificate later.



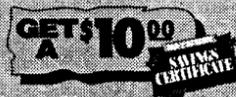
Buy selected AT&T products and get a \$5, \$10 or \$15 "See You Soon Savings Certificate" good toward a future purchase at your BX/PX.

**\$79.95** reg \$89.95



**Remote answering system.** Retrieve messages from a rotary or touch tone phone without a beeper. Announces time & day of messages; voice assistance helps you through remote commands. #1323

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**Cordless phone** has the sound quality of corded models and Clarity Plus virtually eliminates static. 9-number memory, selects the clearest of 10 channels, plus flexible antenna works even when retracted. #5405



# AT&T BX/PX

Certificate offer available November 22 thru December 31, 1992.



You must purchase AT&T products between November 22 and December 31, 1992. Mail certificate request form, proof of purchase and store receipt to address on form. One request per product purchased; certificate redeemable at your BX/PX. Promotional offer begins November 22, 1992. Visit store for details.

# 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:** 1990 Nissan King Cab. 28 mpg, am/fm cassette, air, red, 5 speed, chrome wheels, excellent condition. \$7800. 723-5475 (New Hope).

**FOR SALE:** 1982 Honda Civic wagon, silver, 5 speed, air conditioning, good condition, \$800. 533-3607.

**FOR SALE:** Harley Davidson motorcycle boots, made by Chippewa, man's size 6 1/2, new, \$100. 859-3267.

**FOR SALE:** 1978 31' Alstream Sovereign International travel trailer, air conditioned, canopy, many other extra features, \$5500. 859-3267.

**FOR SALE:** Two thermostat controlled, fan forced, 1500 watt free-standing heaters from Sears, \$30 each. One kerosene heater, 22,300 BTU, 12 hour continuous heat, 1.9 gallon capacity, used one year, \$75. 882-6998 after 5 p.m.

**FOR SALE:** Ford 351 Windsor motor, 300 plus hp, balanced and blue printed, forged TRW pistons, competition cams valve train, no lead seats, ported and polished heads, 9.2:1 compression, Edelbrock intake, Holley carb, Mallory breakerless distributor, much more, long block fully assembled, \$2000 or best offer. 722-0859 after 5 p.m.

**FOR SALE:** Large oak typist desk, nice shape, \$350 or best offer; Oak 10-gun cabinet, sliding glass front, large storage compartment, \$175. 722-0859 after 5 p.m.

**FOR SALE:** Three piece bedroom suit, grey lacquer and leather, king size waterbed, used 3 months, \$475. 536-4718.

**FOR SALE:** 1973 Mercury Monterey. Very good condition, tires excellent, nice heavy car, runs great and looks good too! \$1395. 536-4718.

**FOR SALE:** Carpet, approx. 12x20' with pad, needs professional cleaning, beautiful earthtone taupe-tan color, \$175. 880-2018.

**FOR SALE:** Osborne computer, complete with larger monitor and printer, excellent condition, \$250. 536-4718.

**FOR SALE:** Two antique bicycles, need restoring, \$50 each or best offer. 536-4718.

**FOR SALE:** Tank-type Electrolux vacuum cleaner, \$45. 536-4718.

**FOR SALE:** Brown Berkline recliner, \$75; Blue loveseat with sleeper, \$100; Mattress and box spring, \$30 each. All pieces in good condition. 837-1294.

**FOR SALE:** 1990 Mustang LX hatchback, 4 cylinder, red, automatic, loaded, 27K miles, \$7000. 852-8859.

**FOR SALE:** King sized bedroom set with mattress, box springs, bed rails, triple dresser, two night stands, two mirrors, \$250; Triple dresser with mirror, night stands, twin headboards; Desk, \$75; Assorted table lamps. 539-6868, leave message.

**FOR SALE:** Briggs & Stratton lawn mower, like new. 721-1068.

**FOR SALE:** Shoei fullface motorcycle helmets, matched pair, red, new in box, pair for \$250. Size small and x-large. 859-3267.

**FOR SALE:** 1989 Plymouth Acclaim LX. 4 door, automatic, V6, air, luggage rack, am/fm cassette, cruise, tilt, fog lights, black cherry, cloth interior, 61K miles, asking \$6495. 464-2574; after 6 p.m., 586-6202.

**FOR SALE:** Silver 1989 Pontiac Grand Prix SE. Power everything, leather interior, automatic with overdrive, stereo cassette with 5-band equalizer, one owner, 51K miles, excellent condition, 837-1574 after 5 or on weekends.

**FOR SALE:** Large sofa and matching loveseat, loose back pillow style, earth colors of brown, rust, jade green, gold. Beautiful large floral print, both for \$350; Matching rust colored Cat Napper brand rocker/recliner, \$100; Eureka upright vacuum cleaner with extra bags and (never used) attachments, \$60. 534-4961 and leave message.

**FOR SALE:** 1987 Chrysler 5th Avenue, one owner, leather, good condition, price \$6000. 880-7167.

**FOR SALE:** 14K gold ring set in 1/2 ct. diamond, \$325. 880-7167.

**FOR SALE:** Ashley wood heater, good condition, \$125. 772-9890, leave message if no answer.

**FOR SALE:** Queen size waterbed with mirrored bookshelf headboard, sheets included; Two heaters, 110V and 220V, \$100 or best offer. 830-1868.

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**FOR SALE:** Carpet, approx. 11.5x12', one royal blue and other sea blue, \$75 each, 880-2018.

**FOR SALE:** Designer wedding gown, ivory, stunning, complete with accessories, size 7, \$450. 880-2018.

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**FOR SALE:** 1978 Z28 Camaro. New tires, new paint job, and just tune-up. \$2500 or best offer. 536-3041 anytime.

**FOR SALE:** Full size couch and chairs, \$75; Whirlpool dryer, \$50; Stereo am/fm 8 track with turn table, \$30. Excellent condition. 723-5475 (New Hope).

**FOR SALE:** Compound bow, carrying case, arrows, quiver/sights, glove and arm pad, \$90; Thomson center 54 cal. black powder rifle, \$50; Remington speedmaster 22 cal. semi-auto, \$110; Mauser, 7mm, \$150. 722-0552, leave message.

**FOR SALE:** Gun cabinet, 8 gun capacity, solid wood, \$350; Solid oak entertainment center, \$200. 722-0552, leave message.

**FOR SALE:** 12' aluminum fishing boat with trailer, \$225. 722-0552, leave message.

**MOVING SALE:** Sanyo 1.7 cu. ft. refrigerator, new, \$90; Exercise bike, rarely used, \$30; Incline bench, \$15; Fireplace grate, \$5. 461-0534 after 5 p.m.

**FOR SALE:** Wedding dress and veil, size 7, satin Pedu de Sole embroidered lace bodice and trim with chapel train, \$350 or best offer. 722-0552, leave message.

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**NO MONEY** down to veterans, closing costs paid for FHA- nice brick 3BR home on corner lot in NW has new central H/A, paint, carpet & roof. 2901 Barbara Dr- see it! \$36,900.  
**BRIGHT & cheery** family room plus LR & formal DR, eatin kitchen, ceiling fans, fenced yard-a must see for \$48,900. Call our office today for your viewing. (38145)  
**ALL ROADS** lead here fast! Close to shops/schools/churches/ recreation- immaculate 3BR, 1 1/2 BA is convenience plus! Great fenced backyard w/large deck \$59,500. (3900S)  
**NW-** large tri-level with 20x20 familyroom, ceramic tile baths, large fenced yard. Good family home near Cedar Valley for \$64,900. (3907N)  
**GREAT** value! \$78,900 will buy you this 4BR, 1 1/4 BA brick ranch. LR & DR, den & dbl garage, fresh paint in & out. A must see! (1807C)  
**DOLLHOUSE!** Super low maintenance, right behind Chapman School, open airy feeling in 3BR 1BA home w/oversized kitchen & den. Priced to sell at \$55,900. Hurry! (2117B)  
**EXCELLENT** opportunity! Investment, first time home buyer or work-aholic near RSA. 3BR brick rancher for \$47,900- call today to see how easy you can own! (4005TS)  
**DRIVE** by & fall in love! Only \$53,900 for this lovely landscaped 1020 sqft home w/pool. Get some peace & quiet on this safe street at an affordable price! Call today. (3116A)  
**PRECIOUS** 3BR/2BA brick & vinyl home near Farley School w/huge kitchen, huge GR w/wood burn stove, prvcy fence, 1Cx16 shop w/H&A, H&C water \$66,900. (14004G). Call!  
**4-CAR** garage & workshop w/separate driveway P.US 3BR, 1 1/2 BA, country kitchen, FR & treed lot in easy-care brick & vinyl ranch in SW! \$74,900. (2440C)  
**A DRAMATIC** new face in Steeplechase! Enjoy elegance & style in this 2200 sqft 3BR, 3 1/2 BA low maintenance townhome w/superb living & storage space. Only \$89,900. (6731S)  
**GREEN** Mountain, SE \$59,900. Cute 2BR home with large 24x16 greatroom, family room too, plus night view of the city in winter! Can't beat it! Call us today to see. (13005SS)  
**A FINE** investment for your family w/gorgeous backyard, cozy kitchen & family area, large workshop w/electricity for only \$81,500. Call today! (1512-0D)  
**LOTS** of new in this 4BR, 2 1/2 BA home in super SE neighborhood has remodeled kitchen, LR & DR & den, large treed lot. A pleasure to own for only \$99,900. (303R)  
**GREEN** Mountain- almost new! Separate LR plus nice 19x14 familyrm, bay breakfast, inside laundry, large deck & gazebo, winter view of city! \$121,900. Call! (12501SS)  
**THREE BR** ranch on quiet culdesac is nicely decorated w/tile bathroom & ceiling fans in BRs & familyrm, hardwood floors under carpet- a real Madison buy! \$60,900. (21AS)  
**109 SUGAR** Wood Ct- storybook charm! Write an enchanting tale of happiness in this 3BR/2BA home. Sunny & bright greatrm overlooking great meadows! For living pictures, call today! \$75,900.  
**BEAUTIFUL** corner lot in Cedar Valley! Immaculate 4BR, 2 1/2 BA dutch-colonial with oak floors, real wood paneling, & brick fireplace for only \$93,900. Large den, 27x13 tool (6500CP)

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	Bi-Weekly	Monthly	Postal Bi-Weekly
Self only - Standard Option	\$29.36	\$63.61	\$13.25
Self & family - Standard Option	\$63.17	\$136.87	\$28.27
Self only - High Option	\$82.85	\$179.51	\$66.74
Self & family - High Option	\$178.16	\$386.01	\$143.26

This is a summary of the features of the Postmasters Benefit Plan. Before making a final decision, please read the Plan's Federal brochure (RI-71-13). All benefits are subject to the definitions, limitations and exclusions set forth in the Federal brochure.

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**FOR SALE:** Pre-recorded VHS tapes, \$1 each. 895-9453.

**FOR SALE:** 2 rabbit coats, 1 jacket length, multi-tone grey, size XL, asking \$75. 1 full length, (1" above ankles), sable, full pelts, with leather tie belt, asking \$400. 837-5873, leave message.

**FOR SALE:** 1984 Ford Econo Van. 68K miles, tan, brown/cream interior, 4 captain's chairs, 1 back sofa, windows with mini blinds, \$4500. 587-6151.

**FOR SALE:** 1987 Dodge Shadow. Metallic blue, sunroof, 2 door, automatic, 56K miles, \$3600, warranty to 70K miles available for \$100. 587-6151.

**FOR SALE:** Yamaha YPR-7 portable piano, 61 full-size keys, damper pedal, stand, no frills, great for beginner piano. \$125. 830-6859.

**FOR SALE:** Four Firestone, all terrain, ATX radial 23 truck tires, 30x9.50 R15/LTM/S comparable to 235/75 R15, good condition, raised letters, \$25 each. 837-3038.

**FOR SALE:** Antique gold and glass fireplace screen, 50x33 1/2, adjustable, \$125; Men's dress blues, enlisted size 42 long, make offer. 828-6885.

**FOR SALE:** Panasonic VCR 110/220 volts, \$100; Amstrad word processor with monitor, keyboard, printer, books and software, \$100. 830-5628.

**FOR SALE:** Engagement ring and wedding ring set. 1/2 carat diamond engagement ring with white gold prongs mounted in 18 carat gold ring. 18 carat gold wedding band has smaller stones, never worn, \$1600. 881-2397 after 5:30 p.m.

**FOR SALE:** Two diamond cluster rings, 1/2 c. each, size 6 1/2, will sell for \$400 each. Call Donna, 533-7148.

**FOR SALE:** 1982 Buick Skyhawk. 2 door, dark gray, maroon color leather seats and interior, \$1100. 837-5519.

**FOR SALE:** King size waterbed, headboard with mirror, has six drawers; Sans electric typewriter. 851-9671.

**GARAGE SALE:** December 5. 6201 Menifee Drive, Huntsville, AL 35810.

**FOR SALE:** Nissan King Cab. 28 mpg, am/fm cassette, air, red, 5 speed, chrome wheels, excellent condition, asking \$7800. 723-5475 (New Hope).

**FOR SALE:** Hot tub/spa, 7 person capacity, 2 loungers, 500 gallons, portable, 2 heavy-duty 1.5 hp pumps, 1 hp air-blower, 12 jacuzzi jets, redwood cabinet, cover, \$3500; NEC lap-top computer, 16 MHz-286, 2 MB RAM, super twist VGA screen, 40MB HD, 3.5 floppy, battery, mouse, software, misc., \$995; VGA monitor, Magnaax, super VGA (1024x768), professional paperwhite monitor, \$140. 830-5907.

**FOR SALE:** Oak bar with a hutch mirror and 3 oak swivel chairs, \$1450 or best offer; Boy's 18" bicycle, \$15; Fireplace grate, never used, \$10; Brass floor lamp with lampshade, \$40. 882-9845.

**FOR SALE:** 1988 Dodge Shadow, automatic, air, one owner, good condition, 52,300 miles, \$3000. 722-9183.

**FOR SALE:** Complete set Commodore 64 model 1702, video monitor, keyboard, and printer, disk drive, 2 joysticks, RAM expansion model, original games and books, good condition, \$350. 722-9183.

**FOR SALE:** 1983 Nissan Sentra. Needs carb work, will sell as is for \$450. 895-9399.

**FOR SALE:** Bed roll, full size, \$15. 880-2018.

**FOR SALE:** Craftsman belt and disc finishing sander for most flat and curved surfaces. Cast iron platen bits and locks in horizontal and vertical positions. Has coupling for wet/dry vac attachment for sawdust collection, mounted on portable enclosed cabinet for storage. Excellent condition, \$150. 539-5462.

**FOR SALE:** 1985 Lincoln Towncar. Titanium blue, fully loaded, luxurious, excellent condition, \$4950, 232-4577 or 880-2018.

**FOR SALE:** Iron security doors and window, one single window, one single door, and one double door that was used on French doorway. \$25, \$35, and \$55 each, respectively. 880-2018.

**FOR SALE:** Plumbing - lavatory \$20; Commode \$25; Medicine cabinet with mirror \$10. 880-2018.

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65-84011	750 CFM SQUARE FLANGE VACUUM SECONDARIES MANUAL CHOKE	134.99
65-84014	650 CFM SPREAD-BORE FLANGE VACUUM SECONDARIES MANUAL CHOKE	146.99
65-84021	650 CFM SPREAD-BORE FLANGE VACUUM SECONDARIES ELECTRIC CHOKE	166.99

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**FABULOUS VIEW** at no charge! The view alone is worth the price of this 2 bedroom, 2 bath condo in Southeast Huntsville. Play tennis, lounge by the pool and enjoy the clubhouse. High 40's. Bobby 533-5776. (2225G)

**DISCOVER MONTE SAND.** A great place to live. Big lot, big trees, big living space and short distance to downtown, small price. \$125,000. Nellie Craddock 534-4901.

**CLOSING COSTS ARE TINY** when you purchase this \$4650 equity. Cute 3 bedroom rancher in fine area. Vaulted ceiling, central heat and air, garage. Low 50's. Nellie 534-4901. (3817T)

**INGROUND POOL.** Custom designed passive solar home suited for extravagant entertaining. This exquisitely maintained home features 3 bedrooms and study, sun room, oversized garage and putting green perfect lot. Mid \$120's. Call Ginger at 883-7532. (1906H)

**BLOSSOMWOOD REDUCED!!** High on large wooded lot overlooking the Medical District. 4 bedroom brick rancher. 1900 sq.ft. Stunning! Totally renovated! Fantastic buy at \$129,900. Call Rosemary 881-3079. (1412BC)

**JACUZZI & HOT TUB** highlight 2800 sq.ft. in peaceful Greenlawn near Meridianville. This custom built 4 bedroom, 3 1/2 bath 2-story features 2 bedrooms downstairs, skylights galore and wetbar. \$138,895. Call Susan 895-0697 or Carol 852-0815. (200A)

**IN APPLE PIE ORDER.** Country 4 bedroom, 2 bath home in perfect condition. Living room, family room and country kitchen. Approx. 1 acre with fruit trees. Over 2200 sq.ft. for \$73,900. Call Jerry Madison 539-0643. (373FL)

**SLOW DOWN.** You'll want to see this home in the Five Points area! Look inside this 3 bedroom, 2 1/2 bath remodeled home with hobby room. \$69,900. Call Jerry Madison 539-0643. (405D)

**COLD WEATHER-HOT BUY!** Comfort and enjoyment in this 3 bedroom home with fireplace, formal living and dining room, quiet area on dead-end street. Your money's worth at \$57,900. Call John Smith 859-6512. (3621J)

**REC ROOM PLUS GREAT ROOM** highlight this 1900 sq.ft. brick rancher in the Monrovia area. This 2 1/2 year old home features fireplace, treed lot and professional landscaping. \$114,900. Call Brenda Bourland 880-9955. (206B)

**FLORIDA ROOM** totally updated 1821 sq.ft. brick home in the Southeast. This 3 bedroom ranch features cook's dream kitchen, screened porch and 1 year warranty. High 90's. Brenda Bourland 880-9955. (1006L)

**NEW, NEW, LOTS OF NEW** in this 2862 sq.ft. brick basement rancher located on a huge heavily wooded lot. This gracious 5 bedroom, 4 bath home welcomes the family that desires extra space. Added features are living room, dining room, sunny family room and bonus room. Lots of glass, covered porch, ERA warranty. \$154,900. Call Brenda Bourland 880-9955. (5607N)

**DO YOU NEED LOTS OF ROOM?** 2500 sq.ft. in the Northwest has 4 bedrooms, 4 baths, den and rec room on large fenced corner lot. 1 year warranty. Mid 80's. Call Brenda Bourland 880-9955 or 539-0643. (3101J)

**PERFECT ANSWER** to S.E. Huntsville living. Only \$74,900! Remodeled 3 bedroom brick ranch with family room, double garage and privacy fence. Brenda Bourland 880-9955. (11010C)

**5800 SQ.FT., COMMERCIAL BUILDING** on 1 acre in Whitesburg with access to S. Parkway. Priced at \$250,000. We have buyers waiting for commercial real estate. Call Brenda Bourland 880-9955 or Jerry Nicholson 881-9080. (8402W)

**\$8827 EQUITY** and assume 8% loan. Avoid closing costs and points on this 3 bedroom home near Research Park. 1750 sq.ft. home features great room with fireplace, formal dining and study. \$110,877. Call Wayne 852-1133. (1803W)

**SNUGGLE IN** for winter in this cozy, comfy beauty that has eye appeal both inside and out! 3 bedroom, 2 bath ranch with fireplace on 3/4 acre lot. Price just reduced for quick sale. Low 70's. Call Wayne 539-0643 or 852-1133. (122BC)

**PAMPERED BEAUTY.** Pride of ownership shines in this 1465 sq.ft. ranch. Luxurious wallpaper, plush carpet and custom drapes. 1/2 acre lot near Riverton School. \$68,777. Bobby Brooks 533-5776. (5024S)

**OWNER SAYS SELL.** No expense spared on this 3 bedroom ranch with complete facelift ready for its new family. Challenger School, convenient to Arsenal \$57,546. Call Belinda 720-4804. (2446Y)

**LARGE CORNER LOT** tucked away on a quiet deadend street in Madison highlights this 4 bedroom home. Secluded master suite, formal living and dining, large screened porch and 1 year warranty. \$132,900. Angie 464-6577. (211CT)

**COUNTRY LIVING - TONEY AREA.** Walk to Madison X Rds. School from this custom-built builder's home. This 3 bedroom brick home reflects elegance, quality and good taste! Value priced at \$76,900. Call Angie 464-6577. (477C)

**2.4 ACRES** highlight this 3 bedroom brick ranch in Hazel Green. Features include tray ceiling in dining room and breathtaking master bedroom suite with tribe sized jacuzzi, Mid 90's. Bobby 533-5776. (1330CL)

**COMPLETE PRIVACY!** You can live in grand style in this majestic home surrounded by 10 acres of pasture and wooded splendor! This unusual home features fireplace in master suite and hot tub on a cliff overlooking the valley. \$199,000. Bobby 533-5776. (567BM)

**LEASE/PURCHASE.** This 3 bedroom brick rancher near I-565 E features greatroom with vaulted ceiling and fireplace. Secluded master suite and fenced yard. 2 years old with low equity. High 70's. Bobby 533-5776. (127E)

**STARTER OUTER!** Close to schools and Redstone makes this 3 bedroom ranch even more appealing. Features study, 26x20 detached garage, covered patio & huge yard with towering trees. High 50's. Bobby 533-5776. (3419M)

**FIVE MINUTES TO RESEARCH PARK.** Custom built 4 bedroom brick rancher offers unharmed country living. This 2 year old home is planned for those blessed with a large family. Country kitchen with food center, solid oak cabinets, and Jenn-Air appliances. \$149,777. Bobby 533-5776. (128K)

**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 and 1 acre lot with trees. Reduced \$25,000 to \$159,777! Bobby 533-5776. (119R)

**LOTS & ACREAGE**

**S.E. WOODED LOT.** 3/4 acre lot on Toney Drive. Reduced to \$45,000 for quick sale! Call Jerry Madison at 539-0643.

**READY TO BUILD?** 7.5 acres on Old Railroad Bed Road. To see, call Jerry Madison 539-0643.

**ESTATE-SIZED LOTS** with underground utilities nestled in wooded country setting minutes from Hampton Cove and new golf course. Great building sites. Fantastic value for \$31,500 to \$39,500. Call Rosemary for directions and restrictions 881-3079.

**OWNER FINANCING—6.69 ACRES.** Picture your dream home built on a lush country setting at the foot of Green Mtn. near Hampton Cove. This acreage can be divided in half. \$53,900. Call Jerry Nicholson 881-9080. (KW)

**TREE COVERED ACREAGE.** 12.5 acres of forest located in Mooresmill area for only \$4500 per acre. Call Belinda Buford 720-4804. (WL)

**BEAUTIFULLY WOODED 6 ACRES** on Keel Mountain for only \$4000 an acre! Total price \$24,000. Call Belinda 720-4804. (WR)

**THE TIME IS NOW.** Buy your own lot and build your own home simultaneously on this approx. .5 acre lot for only \$12,500! Call Belinda Buford for details. 720-4804. (156M)

**TREES, TREES, TREES.** Beautiful lot perfect for that dream home! Won't last at \$12,500. Call Belinda for details 720-4804. (WR)

**PICTURE PERFECT 1.25 ACRE** building site near I-565 E. Restricted subdivision. \$22,000. Call Belinda 720-4804. (N)

**MOBILE HOME LOT** 100x150. Ready to move on, Hazel Green area. \$10,000. \$1000 down and assume payments of \$120 per month. Call Wayne 852-1133. (108P)

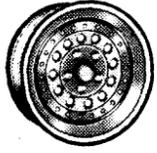
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**ELEGANT DECOR.** Ground floor condominium. Washer, dryer, microwave, refrigerator remain. Use of pool and recreation room. Non-qualifying VA assumption. \$53,500. Call Adeline 883-0707. (1051S)

**LIMITED BUDGET?** Quality built 4 bedroom brick ranch close to Redstone and shopping. This 1300 sq.ft. home features country kitchen and central heat & air. Reduced \$2400 to \$49,500. Call Adeline 883-0707. (4412K)

**NON-QUALIFYING.** Assume 9.5 FHA loan and move in. This value packed 1900 sq.ft. home features den and rec room, 2 car garage and stone fireplace. Near Research Park, Mid 80's. Call Adeline 883-0707. (10620M)

**OWNER PAYS 1ST 4 MONTHS PAYMENTS** or will give buyer a \$2000 decorator allowance. This 3 bedroom home near McDonnell School features 2 decks plus covered porch, study or computer room and 1 year warranty. Owner is concession conscious. High 50's. Bobby 533-5776. (3711W)

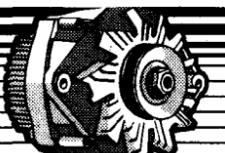
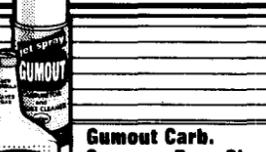
# Western Auto

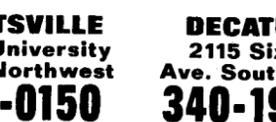
<b>SENTRY</b> <b>Deluxe A/S Radial Whitewall 35,000 MILE</b> P155/80R13 16.99 P165/80R13 22.99 P175/80R13 23.99 P185/80R13 24.99 P185/75R14 27.99 P195/75R14 28.99 P205/75R14 29.99 P205/75R15 32.99 P215/75R15 33.99 P225/75R15 34.99 P235/75R15 35.99 16-8600 series	<b>SENTRY</b> <b>Deluxe Classic A/S Radial W/W 45,000 MILE</b> P155/80R13 22.99 P165/80R13 28.99 P175/80R13 29.99 P185/80R13 30.99 P185/75R14 33.99 P195/75R14 34.99 P205/75R14 35.99 P205/75R15 38.99 P215/75R15 39.99 P225/75R15 40.99 P235/75R15 41.99 16-8800 series	<b>SENTRY</b> <b>Am. Spirit LXR A/S Radial Whitewall 60,000 MILE</b> P155/80R13 28.99 P165/80R13 34.99 P175/80R13 35.99 P185/80R13 36.99 P185/75R14 39.99 P195/75R14 40.99 P205/75R14 41.99 P205/75R15 44.99 P215/75R15 45.99 P225/75R15 46.99 P235/75R15 47.99 16-9150 series	<b>SENTRY</b> <b>Ultra 775 ASR Radial Whitewall 65,000 MILE</b> P155/80R13 34.99 P165/80R13 40.99 P175/80R13 41.99 P185/80R13 42.99 P185/75R14 45.99 P195/75R14 46.99 P205/75R14 47.99 P205/75R15 50.99 P215/75R15 51.99 P225/75R15 52.99 P235/75R15 53.99 16-9100 series	<b>SENTRY</b> <b>Ultra 770 ASR Radial Whitewall 70,000 MILE</b> P175/70SR13BW 44.99 P185/70SR13 45.99 P185/70SR14 43.99 P195/70SR14 50.99 P195/70SR14 51.99 P205/70SR14 52.99 P215/70SR14 53.99 P215/70SR15 56.99 P225/70SR15 57.99 P235/70SR15 58.99 P205/65R15BW 55.99 P215/65R16BW 62.99 P225/65R16BW 63.99 16-9200 ser.	<b>DUNLOP</b> <b>Axiom AS Steel Belted Whitewalls 60,000 MILE</b> P155/80R13 42.99 P165/80R13 45.99 P175/80R13 51.99 P185/80R13 52.99 P185/75R14 59.99 P195/75R14 60.99 P205/75R14 61.99 P205/75R15 62.99 P215/75R15 63.99 P225/75R15 64.99 P235/75R15 65.99 17-8088 ser.	 <b>Type 26 Aluminum</b> 64 <sup>14x6</sup> 73 <sup>15x7</sup>
<b>SENTRY</b> <b>Performance GTH A/S Radial 35,000 MILE</b> P205/60HR13 46.99 P195/60HR14 47.99 P195/60HR14 57.99 P215/60HR14 58.99 P195/60HR15 64.99 P205/60HR15 65.99 P215/60HR15 67.99 Sport G P225/60VR15 91.99 P205/55HR16 101.99 P225/50VR16 134.99 P245/50VR16 180.99 16-9300 series	<b>IZALKEN</b> <b>FK06U/FK05G High Performance 205/60HR13 56.99</b> 195/60HR14 66.99 205/60HR14 68.99 225/60HR14 75.99 195/60HR15 74.99 205/60HR15 75.99 215/60HR15 76.99 225/60VR15 101.99 225/50VR16 160.99 245/50ZR16 199.99 17-9979 series	<b>DUNLOP</b> <b>D60/A2-D40M2 Hi-Performance ASR 40,000 MILE</b> P185/60HR14 72.99 P195/60HR14 73.99 P195/60HR15 80.99 P205/60HR15 81.99 P205/60HR15 82.99 P225/60ZR15 140.99 P225/50ZR16 182.99 P245/50ZR16 192.99 P255/50ZR16 199.99 17-8500 series	<b>SENTRY</b> <b>Performance GT All-Season Radial 40,000 MILE RWL</b> P175/70SR13 38.99 P205/70SR14 42.99 P215/70SR14 43.99 P225/70SR15 43.99 P235/70SR15 44.99 P205/65R15 42.99 P215/65R16 47.99 P225/65R16 48.99 P235/65R16 49.99 P215/65SR15 54.99 16-8300/8400	<b>DUNLOP</b> <b>GT Qualifiers, All-Season Steel Belt 40,000 MILE RWL</b> P195/70SR14 60.99 P205/70SR14 61.99 P215/70SR15 66.99 P225/70SR15 67.99 P235/70SR15 68.99 P255/70SR15 69.99 P235/60SR15 67.99 P255/60SR15 68.99 P215/65SR15 68.99 17-8210/8225 series	<b>CALL FOR LOWEST PRICES ON MICHELIN TIRES!</b>  <b>Type 62 Aluminum</b> 58 <sup>14x6</sup> 79 <sup>15x7</sup>	
<b>SENTRY</b> <b>Deluxe Sport All-Season Radial 40,000 MILE</b> 155SR12 18.99 155SR13 26.99 165SR13 27.99 175SR14 31.99 185SR14 32.99 165SR15 36.99 175/70SR13 28.99 185/70SR13 29.99 185/70SR14 33.99 195/70SR14 34.99 16-8700 series	<b>SENTRY</b> <b>Ultra Sport Metric All-Season Radial 60,000 MILE</b> 155SR12 23.99 155SR13 31.99 155SR13 32.99 175SR14 36.99 185SR14 37.99 155SR15 41.99 175/70SR13 33.99 185/70SR13 34.99 185/70SR14 38.99 195/70SR14 39.99 205/70SR14 40.99 Some Sizes May Require Special Order 16-9700 series	<b>SENTRY</b> <b>Ultra STR Metric All-Season Radial 60,000 MILE</b> 155SR12 28.99 155SR13 36.99 155SR13 37.99 175SR14 41.99 185SR14 42.99 155SR15 46.99 175/70SR13 39.99 185/70SR13 39.99 185/70SR14 43.99 195/70SR14 44.99 205/70SR14 45.99 16-9750 series	<b>DUNLOP</b> <b>SP4 AS Steel Belted Blackwall 50,000 MILE</b> 145SR13 40.99 155SR13 41.99 165SR13 42.99 165/70SR13 42.99 175/70SR13 43.99 185/70SR13 44.99 185/70SR14 48.99 195/70SR14 49.99 17-9633 series	<b>PROFESSIONAL AUTOMOTIVE SERVICE</b>  <b>As Low As 59<sup>99</sup></b> Multi-piston calipers, import vehicles & semi-metallic at additional cost. Available for front disc or rear drum. Available for many cars. May not be available at all stores. <b>FREE Brake Check</b>		
<b>SENTRY</b> <b>All-Terrain Light Truck Radial 40,000 MILE</b> P205/75R14 63.99 P205/75R15 64.99 P215/75R15 64.99 P235/75R15XL 66.99 LT215/75R15 70.99 LT235/75R15 72.99 LT285/75R16 106.99 30/9.50R15 74.99 31/10.50R15 80.99 32/11.50R15 84.99 33/12.50R15 88.99 18-8054/9150 series	<b>UNIROYAL</b> <b>Laredo All-Weather Radial 30,000 MILE</b> P215/75R15OWL 74.99 P235/75R15OWL 83.99 31X10.5R15/60WL 100.99 LT235/85R16OWL 100.99 18-1501 Series	<b>BFGoodrich</b> <b>All-Terrain T/A RWL</b> LT215/75R15C 95.99 LT235/75R15C 105.99 LT235/85R16C 123.99 30x9.50R15C 104.99 31x10.50R15C 113.99 32x11.50R15C 123.99 33x12.50R15C 133.99 31x10.50R16.5D 135.99 33x12.50R16.5D 138.99 18-3333 series	<b>DUNLOP</b> <b>Radial Rover RV Outline White Letters 40,000 MILE</b> LT235/75R15C 95.99 LT255/85R16C 128.99 30/9.50R15C 94.99 31/10.50R15C 103.99 33/12.50R15C 123.99 Please add .17 to 4.27 F.E.T. on some tires 18-4810 series	<b>Shock, Strut or Cartridge Installation</b> Struts, Front.....\$40.00 Pair** Struts, Rear.....\$50.00 Each Cartridges.....\$40.00 Pair** Shocks, Many Cars.....\$6.00 Each Shocks, Lt. Trucks.....\$8.00 Each Labor Only. **Alignment Extra.		

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