

# The Redstone Rocket

Vol. XXXI No. 33

January 19, 1983

## Prayer breakfasts

Hartwell Lutz, Madison County presiding district judge, will speak at National Prayer Breakfast observances here Feb. 2.

Arsenal military and civilian are invited to attend a breakfast at either of two times — 6 a.m. at the Recreation Center or 7 a.m. at Bicentennial Chapel. There is no charge but those planning to attend the 7:00 breakfast should call 876-7135 for reservations.

Judge Lutz is a former member of the Alabama House of Representatives (1970-78), was chairman of the Madison County Legislative Delegation (1974-76) and has served as deacon and elder of Huntsville's First Presbyterian Church.

Yearly in cities throughout the country people observe National Prayer Breakfast by beginning the day together sharing food, fellowship and prayer. For more information call 876-5707.

## AFGE banquet

Congressman Ronnie Flipppo will be guest speaker at the Alabama State Council of AFGE Locals banquet to be held Friday, Jan. 28, at the Huntsville Sheraton Inn beginning at 7 p.m. The congressman's subject is expected to be of interest to all federal workers.

AFGE Locals 1858 and 3434 are sponsoring the banquet. A dance beginning at 9 p.m. until 1 a.m. will follow the banquet. Music will be provided by the Southern Comforts.

Tickets for the banquet and dance are \$15 each and may be obtained from officers and stewards of the Locals or by contacting Local 1858 (Army) Bldg. 7132 on Redstone Road, phone 881-7430; or Local 3434 (NASA) Bldg. 4471, Rideout Road, phone 881-7172.

## Unleaded gas

If you have a Honda or Subaru, and plan to take it where there is no unleaded gas, you may not be able to drive it for long.

According to TRADOCs Logistics Bulletin, American Honda Company has advised that the use of leaded fuel causes excessive damage to engine valves and pistons, and therefore recommends that their vehicles not be shipped overseas. Although Subaru of America does not offer the same recommendation, they acknowledge a problem exists and will not take responsibility for damages caused by use of leaded fuel.

## Unemployment pay

WASHINGTON — Soldiers electing to leave the Army may now receive unemployment compensation under a new federal law — provided they meet certain residence requirements, Army personnel officials announced recently.

The new law requires a brief waiting period, officials say; and eligible applicants could receive benefits for up to 13 weeks.

Soldiers planning to leave the service should check with the local employment office in the state where they plan to reside. (ARNEWS)

## Alaska tours longer

WASHINGTON — According to officials at the U.S. Army Military Personnel Center, tours for military personnel assigned to Fairbanks, Alaska, will change from 30 to 36 months for personnel "with dependents" and from 18 to 24 months for those on "all others" tours.

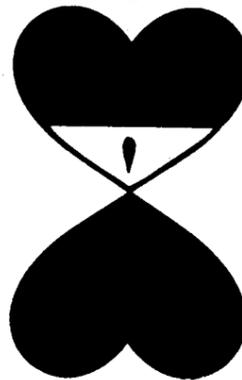
This change also includes Fort Wainwright, officials say. Soldiers assigned to Alaska after Dec. 29, 1982, will receive the longer tours. (ARNEWS)

Up to 600 donate monthly

## Blood may help save a life

RECYCLE  
LIFE

DONATE  
BLOOD



BY SKIP VAUGHN

Each month from 400 to 600 civilian and military personnel give blood at Redstone Arsenal.

They give according to a monthly schedule that includes locations and times for local Army commands, NASA and contractors. Twenty-seven people serve as volunteer building coordinators.

"Having blood available when the need arises is one of the main objectives of the American Red Cross in this program," says Naomi Whitaker, blood program coordinator for Redstone. "And one of the ways that employees at Redstone Arsenal can assist in this life-saving endeavor is to give their blood."

The monthly schedule usually lists 10 days for giving blood. Sometimes during the year, the Red Cross will call with a request for donors if it gets low on certain blood types.

Whitaker receives donor slips for the month from the Red Cross chapter office in Huntsville. From these she figures the winners in six categories by their percentage of donors.

## Bid board helps businesses in today's tough times

BY SKIP VAUGHN

In today's tough economic times, a board posting procurement requirements here offers opportunity to small businesses around the country.

The bid board is located in a room at the MICOM Procurement and Production Directorate building. Requirements from various organizations in the Missile Command are posted there daily.

"The attractive part of that situation is several million dollars in requirements come across that bid board every year and considering the fact that the Missile Command has something like a \$6 billion budget, there's a tremendous amount that's available to small businesses that comes across that bid board," says Dr. Bobby Ingram.

Ingram, director of MICOM's Small Business Office, says the board has posted a variety of items needed here — mostly repair parts to support missile systems in the field.

Everyday a dozen or more people representing small businesses throughout the country look over the bid board. A listing of the solicitations posted on the board is available each day at the small business office up the hall.

The bid board offers general bid information including quantities needed, delivery requirements and quality requirements.

Trophies rotate to each month's winners and the number of monthly wins determines who gets the yearly permanent trophies. This year as an added "initiative," there will be runner-up plaques in the six categories, Whitaker says.

"It takes about the middle of the month to get the donor slips for the previous month," says the secretary in RASA's reproduction branch. She was asked to become blood program coordinator last July by John F. Neely, chief of the support service division. Doris Wobrock was the previous coordinator.

Last October, Whitaker accepted a plaque of recognition for Redstone Arsenal at the annual blood service award luncheon for the Alabama region held in Birmingham. The plaque states 5,293 units were donated here for the year 1981 through 1982.

Whitaker knows firsthand the importance of giving blood. Her brother, Marvin Martin, needed blood from the Red Cross when he was seriously injured in a traffic accident 10 years ago.

He suffered internal and head injuries when the car in which he was riding while on a spring training tour for the National Guard was involved in a three-vehicle pileup at New Orleans. The blood "saved his life, I feel like," says the secretary.

She also recalls a late friend of hers who suffered from leukemia and needed blood transfusions every so often.

Those who give blood get four hours of "blood leave." The donor's family is entitled to blood if needed.

"It's a way of helping someone else and saving lives," says Whitaker.

When representatives see something on the board their company might be interested in, they can get an aperture card on that bid. These computer cards feature a design drawing for that item.

They can also get a procurement history that tells how many of the needed items have been purchased by the government in recent years and what the government paid for the items.

The company representative can then request a bid package and pick one up the next day.

"Next day they'll pick it up and mail it to their company," Ingram explains. "And if their assumption is correct, their company will take that (bid package) and bid on it and hopefully win a contract."

All a company has to do in order to use the bid board is furnish the Procurement and Production Directorate a letter asking permission to pick up copies of bid packages.

The Missile Command has a goal this year of \$200 million to small businesses. The bid board offers "an excellent opportunity for small businesses to pick up business with the Missile Command," says Ingram.

These "depressed" economic times make this

(Continued on page 11)

The Redstone Rocket is published in the interest of the personnel at Redstone Arsenal, by the Enquirer Printing Co., a private firm in no way connected with the Department of the Army. Opinions expressed by writers herein are their own and are

not to be considered an official expression by the Department of the Army. The appearance of advertisements in this publication does not constitute an endorsement by the Department of the Army of the products or services advertised.

# Letters

## Really enjoyed

Editor:

I really enjoyed reading the Budget and Program Newsletter, dated January 7, 1982 (should be "1983", which is just as accurate as the garbage they printed). They must think the readers of this brochure to be illiterate or of very low intelligence.

Just for starters: "The Pay cap. Very good news." — Fifteen percent (15%) increases for Senior Executive Service, and eleven percent (11%) for super grades. But what about the rest of the Government employees — 4%?? This can be compared to the GE executives voting an incentive plan for themselves while on the other side of their mouth telling their employees to "bite the bullet".

They also discuss the other pay raises (4%) and state how they were well below the amount justified by private sector increases. However, on the bright side, I am told that inflation during the year won't be much more than 4%.

Then came the statement I loved: Inflation was 12% as recently as 1980, and we may be better off now than when the raises were larger. (The infla-

tion rate may have been higher then, but I did realize more take-home pay.)

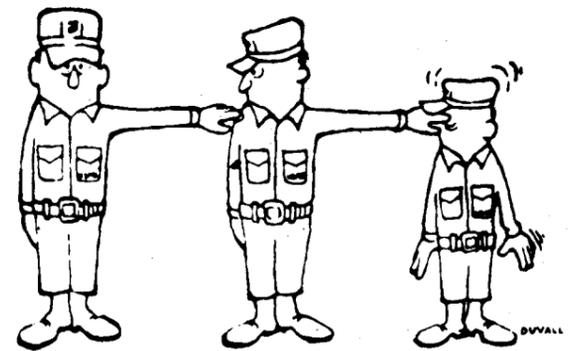
Maybe when Congress considers what percent pay raise to give us, they should also take into consideration the other "great benefits" bestowed upon us. As an example, higher premiums for insurance coupled with lower coverages and medicare insurance.

The October 1982 pay raise increased my bi-weekly gross pay by \$47.20; however, with the increased insurance premiums and medicare deduction, my net pay increased by a whopping \$3.66. The only reason I reflect a positive net pay is because I selected one of the lesser expensive insurance policies.

Since reading this article, I just read in the morning newspaper that President Reagan is expected to ask Congress to freeze the civilian pay raise in FY84. Here we go, taking it on the chin again.

I am going to write my Congressman and present this same problem to him and solicit everyone else to do the same. If we don't speak up, we will continue to go unnoticed.

Hanson L. Couvillon



## THE REDSTONE ROCKET

**Editorial Offices . . . . . 876-1500**  
**Advertising Offices . . . . . 830-1501**

The Rocket is published weekly, on Wednesday. The publisher will receive editorial content for publication in The Redstone Rocket through the Information Office, Army Missile Command, Redstone Arsenal, Ala. 35809, Bldg. 5250, Room A-134, Extension 876-1500.

All advertising copy and payments therefore are received by Richard Kolb, Advertising Manager, P. O. Box 5351, Huntsville, Ala. 35805, telephones 830-1501 and 830-1502 as representative of the publisher. The advertising office of The Redstone Rocket is located at 500 Wynn Drive, N.W., Executive Plaza, Suite 502G. Advertising deadline — both display and wanteds — is 5:00 P.M. Friday before publication.

The Redstone Rocket is distributed free of cost to personnel at Redstone Arsenal. Mailing rates off post for The Redstone Rocket at \$14.98 a year, or \$8.56 for six months, tax included. Mailing arrangements may be made with the publisher, The Enquirer Printing Co., Inc., P. O. Box 929, Hartselle, Ala. 35640.

Everything advertised in this publication must be made available for purchase use, or patronage without regard to the race, creed, color, sex or national origin of the purchaser, user or patron. A confirmed violation or rejection of this policy of equal opportunity by an advertiser will result in the refusal to print advertising from that source.

## Still fighting tax

Editor:

Local 1858, AFGE, has received a number of inquiries from employees asking "What happened to the petition they signed requesting the Congress to repeal the 1.3% Medicare Tax (H.R. 7023)?" AFGE was responsible for getting the bill introduced.

Your petitions were forwarded to the AFGE National Office which in turn sent them to your congressional representatives under a cover letter requesting that they co-sponsor H.R. 7023. H.R. 7023 was introduced just prior to the "lame duck" ses-

sion of Congress. Unfortunately, no action was taken on H.R. 7023 during that session, but neither did the Congress pass, for example, the Defense Appropriation Bill — it all went under a continuing resolution which kept all of us on the payroll.

You may be assured that AFGE will continue to fight for repeal of this unfair tax! But, YOUR HELP is still urgently needed. Sit down and write all nine members of the Alabama Congressional delegation and ask them to support repeal of the 1.3% Medicare Tax. Maybe they will get the message.

Robert L. Fletcher  
President, AFGE Local 1858

fashion specialist 16½ to 32½ and 18 to 52

FASHION IS A PERSONAL MATTER AT CATHERINE'S

## Catherines

STOUT SHOPPE

1402 Memorial Parkway, N.  
Huntsville, Ala. 35801  
Phone 534-6454

## Given up

Editor:

Anyone who has tried to read and understand the new Civilian Personnel Bulletin 351, regarding retirement with prior military or non-deduction civilian service, has surely given up in exasperation.

How about giving us a sample case, say an employee with two years military service, who retires (a) after paying 7% deposit of military pay, or (b) without paying a deposit? What is the difference in annuity?

How do we request Civilian Personnel to compute our own particular case?

John Harker

Editor's note: If you call the retirement office 876-3902 you get a tape-recorded message for those with questions about Civilian Personnel Bulletin 351. The message states that another civilian personnel bulletin would be published and "if other assistance is needed, please leave your name and phone number." Elsewhere in the Rocket today is a story on a man who has devised a method of making the computations. He says he will help others as he has time.

# JETT

TRAVEL AGENCY

CALL US FOR FREE INFORMATION ON:

- HONEYMOON PLANS
- STEAMSHIP PASSAGE
- HOTEL/MOTEL RENTALS
- CARIBBEAN & PACIFIC CRUISES
- AIRLINE TICKETS
- FOREIGN TOURS
- GROUP TOURS
- CAR RENTALS

**NO CHARGE FOR OUR SERVICE**

904 BOB WALLACE AVE. S.W.  
EAST OF THE PARKWAY

**539-4448**

Open Thursday Nights Until 7 P.M.

## They also serve

Editor:

This is in regard to Mr. Theim's letter printed in the 12 Jan 83 Rocket. My 20 years of experience at MICOM lead me to a conclusion that persons not in possession of a formal engineering degree can and do make valuable contributions to the end product

weapon systems developed and fielded by MICOM.

Persons having a formal engineering degree are to be respected for their intelligence and industriousness. These characteristics must be required to get thru four years of college level work. However the possession of the degree should not be ticket to automatic qualification to be GS 13 level or higher.

The degree is a valuable tool when put to work. Some "analysts" or "specialists", perhaps working with cruder tools, do make competent technical decisions and get the job done. That's really the bottom line.

Gene Finch  
Specialist  
MICOM

## Parkway City Shoe Repair

Pkw. City Mall 539-9238

## The Mall Shoe Repair

The Mall 539-9919

Huntsville, Alabama Both Store Hours: 8-6

Letters to the editor should be signed (name withheld on request) and sent to: The Redstone Rocket, DRSMI-G. Unsigned letters will not be used.

## CALLIE M. MURRELL

— ELECTROLOGIST —

Medically Approved  
Permanent Hair Removal  
Free Consultation  
By Appointment Only

MEMBER  
ELECTROLYSIS ASSOC.  
OF ALABAMA

Suite 4  
TOWNHOUSE OFFICE CENTER  
2804-B Memorial Parkway, S.  
Huntsville, Alabama 35801

Bus. 205-534-1857  
Res. 205-772-3983  
EOW

## The Redstone Arsenal Has a Weekly Newspaper Read by 35,000 People

# Still miles to go, Hooks says

BY SKIP VAUGHN

Dr. Martin Luther King Jr. may have foreseen many of America's problems today when he spoke of difficult days ahead, the NAACP executive director said here Friday.

"We still have miles and miles to go until we can say that we've reached the dream that made America great," Dr. Benjamin Hooks told an overflow crowd at the eighth annual memorial service for Dr. King.

Hooks said the late civil rights pioneer may have foreseen "the sting of the battle shifted from the south to the north"; the "benign" administration; the "terrible burden of economic inequality"; among other problems.

"I must confess to you my heart is sometimes heavy as I look at the burdens we still face after all these years," Hooks told the luncheon audience of around 800 in the Officers Club.

The NAACP director said King had a "profound" impact on his life. "I've never met a man more dedicated, more concerned or more committed," he said.

Hooks quoted King's statement that he had "seen the promised land" then added that "I too have seen the promised land, the vision of a better day."

"I believe we can make it to the promised land," Hooks said. "Let's stand up for justice, stand up for equality, and stand up for dignity."

He recalled the days of segregation. "God help us to remember where we've come from so He can help us where we're going," he said. "We've come this far because of people willing to pay the price."

*'I've lived to see the Army eliminate the vestiges of segregation'*

— Benjamin Hooks

Hooks mentioned what the Army was like when he served in it. "I've lived to see the Army eliminate the vestiges of segregation. Oh, we've still got some problems yet but it's so much different than when I was in it," he said.

Hooks, pastor on-leave from the Middle Baptist Church in Memphis, Tenn. and the Mount Moriah Baptist Church in Detroit, ended his speech by quoting from The Battle Hymn of the Republic. "... His truth is marching on."

Earlier at a press conference, Hooks spoke on a variety of current developments. He said the



NAACP will ask for a probe into a recent 30-hour siege and fatal police shootout in Memphis, Tenn.; opposes the NCAA action tightening academic requirements for college athletes; and will attempt to make economic suggestions.

The civil rights organization's "three major thrusts" for the 1980s, he said, include voting, economic advancement, and "supporting our own institutions."

## Dental care limited to 30-mile radius

Military family members frequently drive hundreds of miles to receive routine dental care here but have to be turned away because they live outside the 30-mile radius.

"It happens quite often. It really does," said SSgt. Howard Jacobson, NCOIC at the main dental clinic.

Recently, a woman came from as far away as around Nashville and some have come from Georgia, he said.

Certain remote military installations are authorized to provide routine dental care, on a space available basis, to authorized family members. The Dental Activity (DENTAC) at Redstone is among these. Other installations are only allowed to provide emergency treatment to family members.

While Section 1077, Public Law 10, of the U.S. Code authorizes this routine dental care for military family members it also limits the scope of this care to family members residing within a 30-mile radius of the installation.

Routine dental care, therefore, cannot be provided to any family member living more than 30 miles from the designated installation regardless of the duty station of the sponsor.

DENTAC personnel cannot make exceptions to this public law since it is not a DENTAC policy nor a Health Services Command policy, according to officials.

"At the front desk we have a list of the towns we can serve," said Jacobson who can be reached for questions about eligibility of family members at 876-7474.

## Commissary getting 5 percent surcharge

FORT LEE, VA. — Surcharge, the fee added to a customer's total purchase in Army commissaries, will increase to five percent April 1, announce officials at the U.S. Army Troop Support Agency.

The increase, approved by Congress, applies to all military commissaries and will standardize surcharges among the services. The Army's present four percent surcharge has been in effect since 1976.

More than \$59 million in surcharge was collected from Army commissary customers in Fiscal Year 1982. The funds are first used to pay essential operating expenses such as telephone service, utilities (for commissaries in the United States), cost of paper bags, shopping carts and display cases.

Surcharge also pays for maintenance cost of refrigeration units, purchase of electronic cash registers and other equipment and inventory losses such as pilferage and spoilage.

It is not used to pay for salaries for commissary employees and maintenance of commissary buildings.

**Don't Let Your Car Get Caught Without Winter Protection**

Call TIDY CAR today for the toughest protection your car can get!

**TIDY CAR**  **852-7360**

World's Leading Auto Appearance Specialists HUNTSVILLE

**TERRY'S PIZZA**  
and LOUNGE  
**WEST**

3612 Governor's Dr. W.

PHONE AHEAD **536-3389**

TUESDAY IS MILLER PONY DAY!

3 Miller Ponies for \$1.00!  
All day Tuesday.

**3 free 20 oz. Cokes and free delivery with delivery of any 16 inch pizza!**

To Eat In Or Take Out

In normal delivery area. Not valid with any other coupons. Expires 2-1-83.®

Terry's Pizza West Special Coupon

Daily Lunch Deliver to Redstone, MSFC and Research Park.

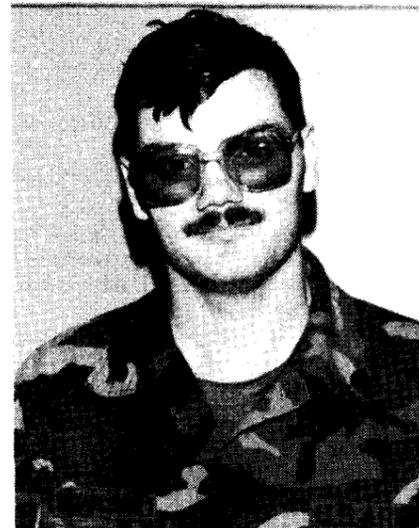
Delivery Hours: 10 a.m. to Closing



**What is your opinion of the military police here ?**



Airman Tracy J. Dunn — Air Force —  
“I think the M.P.s are efficient and professional and do a good job.”



Sp4 Donald N. Nicholson — 7th S. Co. —  
“They do their job and I do mine and thats the way it goes.”



Airman 1st Class John E. Grossman — Air Force — “The MPs around here are pretty good because they keep their eyes on everything and will catch you. I had C.Q. last night and they made four checks to see if everything was all right. I am impressed.”



Sp4 Charlene D. Mitchell — 515th Ord. Co. — “Basically I haven’t had any problems with them, yet. Any contact that I have had with them, they have been courteous and polite.”



2nd Lt. David J. Baginski — HHC — “I think they’re fairly good. I’ve never been stopped. I’ve seen them stop speeders so no one would get hit, especially around the housing areas.”



Pvt. Kevin M. Shore — 7th S. Co. — “I think they like going around busting people because anybody going a little over the speed limit gets busted.”



**1 out of 4 forest fires are started by trash fires.**

**55 MPH WE CAN LIVE WITH IT**

1983  
**NOLENS BAR-B-Q**  
**JANUARY Special**  
1 lb. Pork Bar-B-Q  
1/2 pt. Cole Slaw  
8 pak. Colonial Buns  
**\$5.99** Plus Tax

It's plain and simple we want to be your **BAR-B-Q PEOPLE**  
\*\*\* 3 Locations to Serve You \*\*\*

Sparkman Dr. N. Hwy. 72 837-1921  
Pulaski Pike at Winchester Rd. 852-0430  
S. Parkway Across from Haysland 883-8575

**TEMPORARY HOUSING**  
Lovely furnished apt. price includes all utilities, cable, color TV, dishes, cooking utensils and linens.  
1 bdrm. apt. . . . \$126 weekly  
2 bdrm. apt. . . . \$154 weekly  
3 bdrm. apt. . . . \$210 weekly  
**Call 534-7358**

**Herculon**  
Couch, chair, and love-seat, new, never used, \$195.  
**536-0205**  
or  
**534-4787** TFC

**SPECIAL LOW Winter Time Painting Rates**  
CALL US NOW AND SAVE\$\$  
Free Estimates  
**Mac Painting Co.**  
Ph. 883-1762 or 837-0845 4tp

 **The University Of Alabama In Huntsville**  
**SMALL BUSINESS DEVELOPMENT CENTER**  
In cooperation with the Small Business Administration Presents a  
**PRE-BUSINESS WORKSHOP**  
**January 31, 1983, 8 a.m. until 5 p.m.**  
The University of Alabama in Huntsville  
Madison Hall, Room 309  
Professional People will speak and answer questions on topics ranging from financial factors and record keeping to insurance and legal aspects.  
Registration Fee: \$5.00 (Mail form below no later than January 25, 1983, or call 895-6407)

**REGISTRATION FORM**  
TO: The University of Alabama in Huntsville  
Small Business Development Center  
Morton Hall, Room 342  
Huntsville, AL 35899  
I will attend the Pre-Business Workshop January 31, 1983

NAME \_\_\_\_\_ BUSINESS \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
PHONE \_\_\_\_\_ AMOUNT ENCLOSED \_\_\_\_\_

MAKE CHECK PAYABLE TO UAH  
An Affirmative Action/Equal Opportunity Institution

# WORD CHEVY OLDS



NEW '83  
**CHEVETTES**  
STARTING AT **\$4,973**



NEW '83 TRUCKS  
S-10 or C-10  
STARTING AT **\$6,500**

**11.9% GMAC** Financing  
ON ALL NEW  
'83 Cars & Trucks

NO HIDDEN CHARGES  
ADVERTISED PRICE  
PLUS \$4.50 TITLE  
AND YOUR SALES TAX  
IS ALL YOU PAY...  
YOU HAVE OUR  
"WORD" ON IT

## CUSTOM VANS

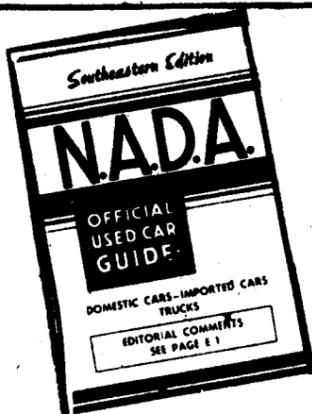
BY: CHOO CHOO CUSTOMS, INC.  
BRISTOL COACH Luxury Motor Van  
GLOBAL CUSTOM VANS



Automatic and air, power, AM/FM cassettes, fully customized including 4 captain chairs, coach, custom paint, wheels, tires, running boards. DIESEL VANS MPG RATING 23 city, 31 highway.

OUR PRICES START AT  
**\$14,500**

NOW IN STOCK — CUTLASS T-TOPS & Z/28 CAMAROS!!



## RECONDITIONED USED CARS & TRUCKS

### "Ask The Man Who Owned It"

We don't sell auction cars or rebuilt wrecks — TRADE-INS ONLY! We have previous owner's name for you to call at your convenience. We have nothing to hide with our used cars — we sell LOCAL TRADE-INS BELOW NADA PRICE plus will include a 12 month/12,000 miles mechanical breakdown coverage on the following cars and trucks at no extra charge to you.

"ONLY THE BEST—YOU HAVE OUR WORD ON IT"

YEAR & MODEL	NADA	OUR PRICE	YEAR & MODEL	NADA	OUR PRICE
1979 GRAND PRIX	\$ 5,450	\$ 5,250	1981 CHEVETTE 4 door	\$ 4,725	\$ 3,700
1979 THUNDERBIRD	\$ 5,475	\$ 4,800	1981 BUICK RIVIERA	\$11,350	\$10,500
1979 GRAND PRIX	\$ 5,475	\$ 5,000	1981 CAPRICE Classic	\$ 8,050	\$ 7,990
1979 CHEVY MONZA	\$ 3,500	\$ 3,000	1981 THUNDERBIRD	\$ 7,875	\$ 7,000
1979 MALIBU SS	\$ 4,725	\$ 4,200	1982 CHEVETTE 4 door	\$ 5,250	\$ 4,950
1979 HORIZON 2 door	\$ 3,950	\$ 3,500	1982 CAMARO COUPE	\$ 9,500	\$ 8,800
1980 MALIBU WAGON	\$ 5,725	\$ 5,525	1982 CHEVETTE Diesel	\$ 5,500	\$ 4,900
1980 CITATION 4 door	\$ 4,950	\$ 4,200	1982 THUNDERBIRD	\$ 8,375	\$ 7,500
1980 OLDS 98 Regency	\$ 9,375	\$ 8,500	1979 CHEVY PICKUP	\$ 4,500	\$ 4,200
1980 PONTIAC SUNBIRD	\$ 4,500	\$ 3,525	1980 CHEVY Silverado	\$ 5,925	\$ 5,600
1980 CORVETTE T-TOP	\$12,975	\$12,500	1980 GMC Custom Van	\$ 9,500	\$ 9,000
1980 CHEVETTE 2 door	\$ 3,950	\$ 3,200	1980 SILVERADO LWB	\$ 5,925	\$ 5,700
1980 DATSUN 200 ZX	\$10,800	\$ 9,800	1980 CHEVY Scottsdale	\$ 5,925	\$ 5,200
1980 CITATION 4 door	\$ 4,600	\$ 4,000	1981 CHEVY LUV Red	\$ 5,525	\$ 5,300
1981 DATSUN 280Z Turbo	\$15,000	\$14,200	1980 CHEVY PICKUP	\$ 8,050	\$ 7,800
1981 CAMARO Z/28	\$ 8,400	\$ 8,300			



EXTRA SPECIAL — LIKE NEW 1982  
**S-10 PICKUP**

4 SPEED WITH AIR, AM/FM, LWB, body side molding, 1500 lb. pay load.

COMPARE AT..... **\$7,350**



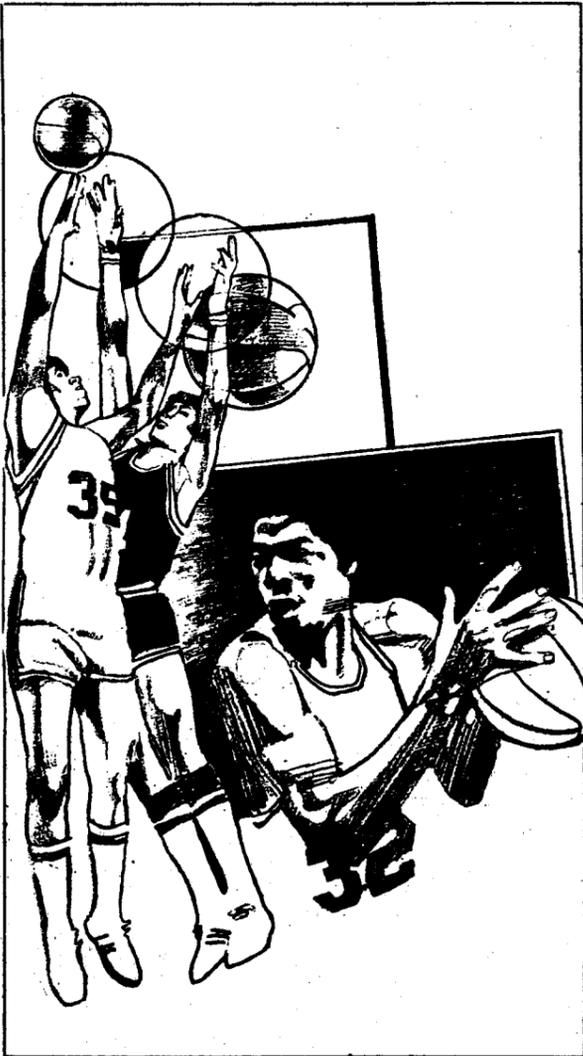
HALF BLOCK OFF SQUARE DOWNTOWN  
SCOTTSBORO, ALABAMA



**259-6400**

DRIVE A LITTLE SAVE A LOT!

# CFW showdown set Thursday night



## Troop basketball

Troop basketball standings as of Jan. 17:  
EASTERN CONFERENCE

Team	W	L
A Co.	9	0*
6th S.C.	7	3
HHC #1	5	3
MEDDAC	4	6
Marines	2	6
95th Service Co	1	9

WESTERN CONFERENCE

Team	W	L
B Co.	8	1*
HHC #2	7	2
515th Ord. Co.	7	3
7th S.C.	4	4
8th S.C.	4	4
4th S.C.	2	7
291st M.P. Co.	1	8

\*The game between Co. A and Co. B played last week is under protest. Co. A won the game 51-50, but the protest committee had not met prior to the results being reported.

P&P #2 Gazelles and Facilities Engineering Lakers are tied for first place at the halfway mark of the Civilian Welfare Basketball League.

But one will fall from the unbeaten ranks, when the two teams square off Thursday night at 6:30 in the old Post Gym.

P&P #2 notched its fifth straight win last Thursday with a 61-46 victory over Missile Labs behind Robbie Robinson with 16 points and Willie Epps 15. Don Mangum had 13 for the losers.

Meanwhile, Facilities Engineers used a tenacious defense to stop cold-shooting Supply, 48-24, enroute to a 4-0 mark. Dennis Hardin, Don Robinson and Abdullah Muhammad had 11 each for the Lakers while Roger Berry had 10 and Mike Hubbard 9 for the losers.

In other action, Green Machine nosed out Corps of Engineers 38-34 behind Paul Cole with 14. Jerry Mullinix had 12 for the Corps.

In games Tuesday, Missile System Blazers got 30 points from Larry Cable and 19 from Leonard Lugaman to defeat Controllers, 80-74. James "Mooney" Battle had 29 for the losers.

Elsewhere, P&P #2 got 41 points from Willie Epps and 23 from Ronnie Robinson to down TMDE 107-28. Jim Christian had 13 for the losers.

Finance and Accounting stopped Missile Labs 77-45 behind Gary Jones with 19. Ray Maples had 20 for the losers.

### CFW Standings

Team	W-L	Games
1. P&P #2	5-0	5
2. Facilities Eng.	4-0	4
3. Supply Rockets	3-1	4
4. Missile Systems	2-1	3
5. Controllers	2-2	4
6. F&A	2-2	4
7. Green Machine	2-2	4
8. Missile Labs	1-5	6
9. TMDE	0-3	3
10. COE	0-4	4

### Top Scorers

Team	Player	AVG.
Green Machine	Buphus Nolls	26.0
Controllers	James Battle	23.2
P&P #2	Ronnie Robinson	21.1
P&P #2	Willie Epps	19.9
Facilities Eng.	Abdullah Muhammad	19.0
Supply	Mike Hubbard	18.1
Missile Systems	Larry Cable	17.8
F&A	DeWayne Kelly	16.0
Facilities Eng.	Don Robinson	15.2
Missile Labs	Mark Kannapel	14.8

## Ceremony establishes Central Command

WASHINGTON — At its headquarters at MacDill Air Force Base, Fla., the U.S. Central Command recently held ceremonies to mark its establishment, on Jan. 1, 1983, as the nation's sixth unified command.

As defined by the Defense Department's dictionary of military terms, a unified command has "a broad continuing mission under a single commander and (is) composed of significant assigned components of two or more services ... ." In this case, the elements making up the Central Command are drawn from all the services.

As an outgrowth of the U.S. rapid deployment joint task force, the new command is committed to military cooperation with friendly governments in the region from Egypt to Pakistan and from Jordan

south to Kenya. Officials in the office of the Joint Chiefs of Staff say that the mission to protect U.S. interests in the region includes the following functions:

- Providing U.S. military assistance in the region;
- Controlling U.S. military forces that might be in the region for exercises or peacetime operations;
- Planning for other peacetime activity, such as non-combatant and emergency disaster assistance to the affected nations.

Joining U.S. Central Command commander in chief Lt. Gen. R. C. Kingston, USA, in the establishment ceremony were a number of key defense officials, including Gen. John W. Vessey Jr., USA, chairman of the Joint Chiefs of Staff. (ARNEWS)

# 50% OFF

**Regular Prices On All Shoes & Boots**

CORNER

4001-D Holmes Avenue 837-5606  
(Corner of Holmes and Jordan Lane)

## THE SHOE

## Make 1983 a Safe Year!

### Save Money With These Coupons!

**COUPON**

**Front End Align**

Prevent Premature Tire Wear Caused by Mis-alignment.

**\$16.95**

With Coupon

**COUPON**

**Balance 4 Wheels & Rotate**

For a Smooth Computer Balanced Trip

**\$18.95**

With Coupon

**COUPON**

**Front Brake Pads**

Original Equipment Pads plus Labor Know Your Brakes are Safe

**LABOR INCLUDED**

**\$24.00**

With Coupon

**COUPON**

**Automatic Trans. Tune-Up**

Adjust Throttle Pressure, Clean Filter - Install New Oil, Road Test

**\$21.95**

With Coupon

**COUPON**

**Tune-Up/Valve Adj.**

INCLUDES: Toyota Spark Plugs with "U" Groove - Complete Diagnostic Print out on Sun Analyzers

**\$48.00**

With Coupon

**COUPON**

**Air Cond. Special**

INCLUDES: • Inspect Belt & Hoses • Check High & Low Pressure • Charge System Necessary Freon

**\$15.95**

With Coupon

**TOYOTA**

Service Department  
Open Mon.-Fri.  
For Your Convenience  
7 a.m. - 5 p.m.

TOYOTA TOWN

HUNTSVILLE

Home of the Best Selling Car in the World

6810 University Dr. N.W.  
—West of Woolco

**PHONE:**

**830-0213**

# 'Brim Frost 83' readiness exercise starts this month

WASHINGTON — Some 16,000 men and women will gather in Alaska this January and February for the U.S. Readiness Command's joint-service exercise called "Brim Frost 83." Also taking part in the cold-weather operation will be a battalion of Canada's forces mobile command.

The exercise, which will provide a simulated combat environment for participants, is designed to exercise and evaluate active and reserve component commanders in joint procedures and tactics. It also will test out joint-force sustainment in an Arctic environment, says Readiness Command.

Forts Wainwright and Greely will serve as the primary ground maneuver area, and most of the exercise's aircraft will operate from Elmendorf and Eielson Air Force Bases. In addition to about 125 aircraft, the logistics for the exercise will include about 900 vehicles, an assortment of blank ammunition for rifles and machine guns, plus tear gas, flares, and smoke devices — all for adding realism to the exercise.

Officials say the exercise's maneuver phase will occur between Jan. 28 and Feb. 2. Before that, on Jan. 10, the deployment of forces and headquarters personnel will have begun. On Feb. 3, the various units will begin returning to their home stations.

For the Army's part in a "friendly force" joint task force, troops from the 172nd Infantry Brigade at Fort Wainwright will work with personnel of the U.S. Air Force Alaskan Air Command (at Elmendorf) and with the Alaska-deployed Canadian light infantry battalion.

On the opposition side, the Army will provide a brigade of the 9th Infantry Division, Fort Lewis, Wash., a battalion of the 101st Airborne Division (air assault) Fort Campbell, KY., and a battalion of

the 47th Infantry Division of the Illinois Army National Guard. Opposition Air Force Forces will come from the Tactical Air Command, headquartered at Langley Air Force Base, VA.

The reserve component participation will include about 3,000 National Guard personnel and reservists from Alaska, Illinois, Colorado, South Dakota, Iowa, Utah, New York, Pennsylvania, Washington, Florida, Idaho, Oregon, Kentucky and Ohio.

**LIVING ROOM SUITE**  
New 3-piece Western Living Room Suite, Couch, Loveseat & Rocker. All wood frame & loose cushions.  
**\$395.00**  
534-4787 or 536-0205 ttc

**Have A \$ound New Year ...**

Let us help you and your family have a financially sound New Year. Our 1983 Discount Calendar and Budget Plan is designed to show you how to set up a simple, workable family budget. The cost? Only \$5.50 including mailing and handling.

**PADGETT BUDGET**  
P.O. Box 895  
Hartselle, Alabama 35640

Bill Padgett, originator of the PADGETT BUDGET, has used his plan as his own family budget since 1966. It works for him and he believes it will work for you. Instructions and a sample budget are included. Remember: The Padgett Budget calendar only costs \$5.50.

**For Your Copy Send \$5.50 to Address Above.**

**We Are House Cleaners!**

We specialize in house cleaning, outdoor dirt and mildew removal. We're licensed and fully insured.  
Free estimates.  
**Squeaky Kleen Cleaning Service**  
852-2478

Begin today!  
**Absolute Life Satisfaction**

A be-kind to and behave yourself booklet to get you through some of the rough spots in everyday living.

Send \$3.00:  
Absolute Life Satisfaction,  
P.O. Box 1064  
Huntsville, AL 35807 10tp

**Used Motel TV Color Sets**  
19" \$188.00 ea.  
Fully Guaranteed  
B & W from \$48

**Holiday TV & Auto Sales**

3220 Bob Wallace Ave., S.E.  
539-9800

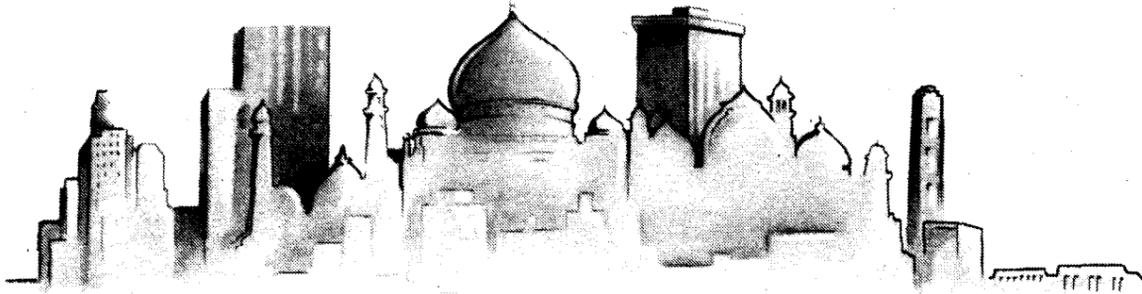
**TV RENTAL**  
FREE DELIVERY TO R.S.A.  
No Deposit

**RENT**

Black & White or Color, Available Call

**MOORE TV**  
852-1776

# Take your Career on an Adventure...



## WITH RAYTHEON MIDDLE EAST SYSTEMS COMPANY

For the experienced HAWK Missile Systems Expert with a sense of ambition and adventure, there's a world of new challenges and experiences waiting to be met. Raytheon Middle East Systems Company can take you to that world.

As an international subsidiary of Raytheon, a Fortune 100 Company, Raytheon Middle East Systems Company offers you unparalleled opportunities to enhance your career in existing state-of-the-art air defense programs. Join our team and experience the adventure of the world overseas.

Openings currently exist in our Saudi Arabian Program for the following HAWK Missile Systems Personnel:

### HAWK Technical Advisor

We are seeking an individual with training program management experience and actual hands-on HAWK experience to act as an advisor on all technical, operational and training-related matters at our Air Defense School in Saudi Arabia. BA/BS in Education, Electrical Engineering or equivalent experience and at least 10 years HAWK related experience is required. 3-5 years instructional duties including planning, scheduling, course development and supervision desired.

### Site System Technicians

Opportunities exist for individuals who can supervise technical personnel on the operation and maintenance of a HAWK Missile System. Requirements are an Associate Degree in Engineering or equivalent experience and a minimum of 3 years experience with each major item of the HAWK Missile System.

### Generator/AC Instructor

This position requires an experienced Generator/AC instructor with at least 5 years experience at the Support/Depot level maintenance on 60 kw Generator Sets and 38,000 BTU and smaller air conditioners with at least 2 years experience in instructional duties. One year of experience on the HAWK Loader Transporter a plus.

### Huntsville Interviews

To arrange a same day interview, call us at the Huntsville Sheraton Inn, 4404 University Drive, Huntsville, AL at (205) 532-4222, on Friday or Saturday, Jan. 21 and 22.

If you are unable to call, please forward your resume to: Mr. Jerry Minihan, Raytheon Subsidiary Support Company, 350 Lowell Street, Andover, MA 01810 (Dept. HT).



An Equal Opportunity Employer

# Recent legislation changes burial allowance

Burial allowances, not to exceed \$300, can now be paid to states or local governments by the Veterans Administration for interment of unclaimed bodies of certain indigent veterans.

Recent legislation allows payment of the allowance for the burial and funeral expenses of a veteran who had wartime service, or who was discharged for service-connected disability, and whose remains are held unclaimed by a state or

local government agency. Only expenses incurred after September 30, 1982, qualify for reimbursement.

These deaths also trigger eligibility for payment of an amount, not exceeding \$150, as a plot or interment allowance when the veteran is not buried in a national cemetery.

Eligibility for the burial and plot allowances also exists with respect to more than 3 million veterans

currently on VA compensation and pension rolls, or who would be on those rolls but for the receipt of military retired pay. Eligibility may also be established if the veteran's death occurs in a VA medical facility. Deaths that are actually service related give rise to eligibility for reimbursement of up to \$1,000 in burial and funeral expenses.

Burial in a national cemetery is available to any deceased veteran of wartime or peacetime service who was discharged under conditions other than dishonorable. The VA will furnish a headstone or grave marker to memorialize a veteran or mark the grave of a veteran.

The VA may also pay an amount equal to the cost of the government headstone — currently \$67 — toward partial reimbursement of a private headstone for placement in a cemetery other than a national cemetery.

An American flag may be obtained from the VA to drape the casket of a veteran. The flag is then given to the next of kin.

For more information on VA burial benefits, contact any VA office or national cemetery. The local toll free number is 539-7742.

## Film on Indians may include arsenal

Auburn University may include Redstone Arsenal in a one-hour documentary film "Lost in Time: Early Alabama Indians" that is intended for national distribution.

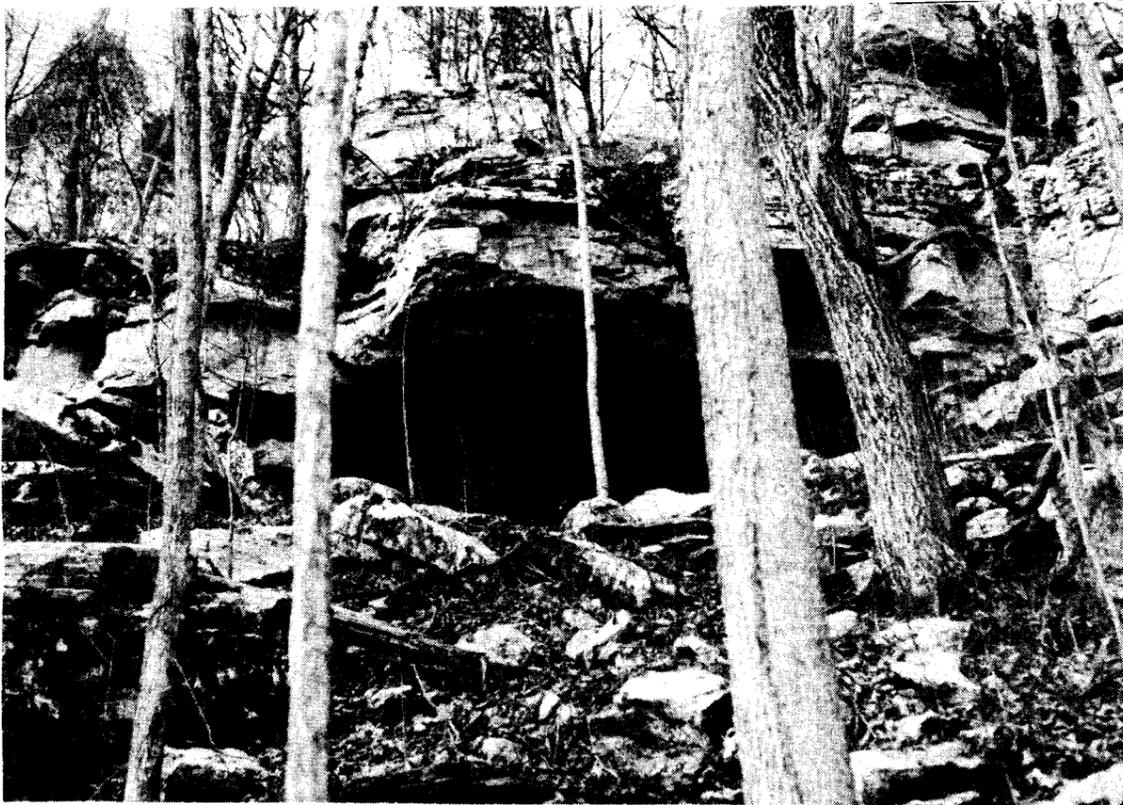
An Auburn Television representative scouted possible filming locations on the arsenal Jan. 12 and took still photos.

Areas of interest included Bradford Mountain, Indian Creek and the Tennessee River. Areas which still look similar to the way they did when they were

inhabited by Indians are being sought for the film.

Redstone Arsenal has a history of continuous Indian inhabitation that spreads over more than 10,000 years, and is relatively undisturbed in some areas.

According to Auburn Television, "Lost in Time: Early Alabama Indians" will trace the history of Alabama's prehistoric Indians from the crossing of the Bering straits land Bridge to the arrival of Hernando DeSoto in 1540.



Sites scouted include this bluff shelter where Indian evidence was found.

## FRATELLI'S

*Italian Restaurant*

*Now open Sundays from*  
*12 noon until 9:30 p.m.*

**Phone**  
**830-1660**

4623 University Dr. (Next to UAH Campus) Huntsville

**OPEN DAILY:** Mon.-Fri. — 11 a.m.-2 p.m. Fri.-Sat. — 4:30 p.m.-11 p.m.  
Mon.-Thur. — 5 p.m.-10 p.m.

DR. W. TIMOTHY BROOKS, D.M.D.

## Family Dentistry

1425-B Weatherly Road, S.E.

Office hours: 9 a.m. - 5 p.m.  
Nights & Saturdays by appt.

New Patients Welcome

Office: 883-8008  
After Hours Emergency 881-1853

ATTEND THE

## UNIVERSITY BAPTIST CHURCH SUNDAY!

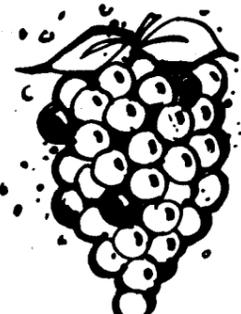
809 Jordan Lane  
**Telephone 837-3611**

Sunday School ..... 9:15 a.m.  
Morning Worship ..... 10:30 a.m.  
Church Training ..... 5:45 p.m.  
Evening Worship ..... 7:00 p.m.

**HEAR THE SERMONS OF OUR PASTOR, DR. WALTER G. NUNN**

- BIBLE CLASSES FOR EACH AGE
- HANDICAPPED PARKING
- A TOTAL MUSIC MINISTRY
- COED CLASSES FOR YOUNG MARRIEDS
- A SINGLES GROUP
- A COLLEGE MINISTRY
- A CLASS FOR THE MENTALLY RETARDED
- A DEAF MINISTRY
- MANY YOUTH ACTIVITIES
- AUDITORIUM CLASS FOR ALL AGES
- CHILD DEVELOPMENT CLASS FOR 3 & 4s
- CHILDREN'S CHURCH
- PARENT'S DAY OUT PROGRAM TO BEGIN SOON

*"The Friendly and Growing Church Which Cares For You!"*




**no two foods  
no two waters  
ARE EXACTLY ALIKE**

Your care in selecting food may mean even more to you, if you exercise it for the water you drink. More than 2/3 of your body is water. Every nerve, cell and artery is affected by the water you drink.

Mountain Valley's natural purity, - so important to users, - begins deep beneath a marble bed in Hot Springs, Arkansas. It is protected by miles of surrounding forest, a glass dome over the spring itself, and lastingly in glass bottles.

You receive Mountain Valley Water with its goodness intact, - excellent taste, natural hardness, virtually sodium-free.

FREE HOME DELIVERY  
Ph. 881-2332 Ask For Free Booklet

## Mountain Valley Water

FROM HOT SPRINGS, ARK.

## NCO CLUB

**EVERY MONDAY IS FAMILY NIGHT**

\*\*\*\*\*  
FEATURING  
\*\*\*\*\*

A Budget Priced Menu  
Nothing Over \$3.00  
5:00 - 9:00 p.m.

# Problem solver finds easy way to figure retirement

BY SKIP VAUGHN

Perrin Cothran looked at "obscure" legislation facing retired military people working as civil servants as he would any other problem.

The equipment specialist in Materiel Readiness Directorate says he solves problems for a living. So in his spare time, on his kitchen table, Cothran developed what he feels is an easy way for a military retiree to figure his or her civil service retirement options.

"The problem is that there are 144,000 retired military working for civil service out of the workforce and each one of these would be an individual computation under the law," says Cothran who himself falls in this category.

Under the so-called Catch 62 legislation, civilian retirees with military service automatically had their annuities recomputed at age 62, to exclude military service time after 1956, when the armed services went under Social Security.

Recently, the Budget Reconciliation Act offered federal workers with post-1956 military service the opportunity to avoid a future cut in their civilian pensions by paying the equivalent of 7 percent of their military earnings into the civil service retirement fund.

Cothran took information available at Redstone and devised an approach to help individuals decide whether or not to "buy out of" Social Security.

"I've worked out an easy way of calculating raw annuity civil service, survivor benefit plan at 55 percent of raw annuity, and estimated deductions at a given point in time," he says. "With the only re-

quired inputs being entry date, date of interest and high three average."

Cothran, 64, has been in civil service since 1964 and plans to retire in the "foreseeable future." He served in the Navy for 22½ years.

His retirement approach is for civil servants nearing retirement who served in the military since Jan. 1, 1957. He says it was stimulated by the "very obscure" Catch 62 legislation.

Both the Navy Finance Center at Calabreeze Federal Building in Cleveland, Ohio, and the Army Finance Center at Fort Benjamin Harrison, Ind. "expressed interest in such an approach and are working on a similar approach," he says.

Cothran is quick to explain why he wanted to tell others about his retirement approach. "Why shouldn't I share anything I find out with other people in the same shape," he asks.

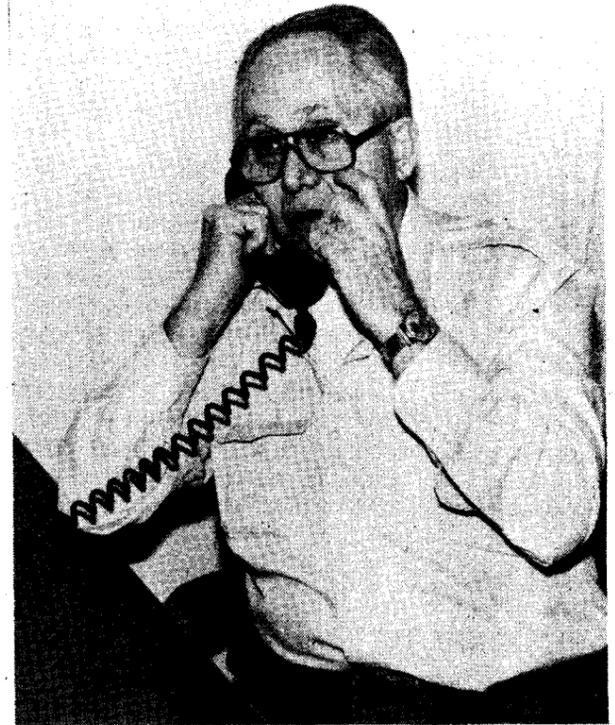
The Greenwood, S.C. native was graduated from Greenwood High School in 1935. He attended college at The Citadel for two years then went to Clemson University. He left Clemson in 1940 to enter the Navy with several classmates. "We could see the storm clouds on the horizon," says the World War II veteran.

He left the Navy after about six years and returned to Clemson for a year then reentered the Navy in 1948 and stayed until 1963.

"You need to know grade and how long you were in the grade at what time because pay scale changes continually in the military, to come up with a decision as to whether to buy out or not buy out of Social Security," says Cothran, who can be reached for help (if he's not busy) at 876-6805/2904.

He and his wife Betty have two sons, both who served in the military, and a daughter.

Has his family shown interest in his retirement approach? "They don't understand it," he says.



**Perrin Cothran**

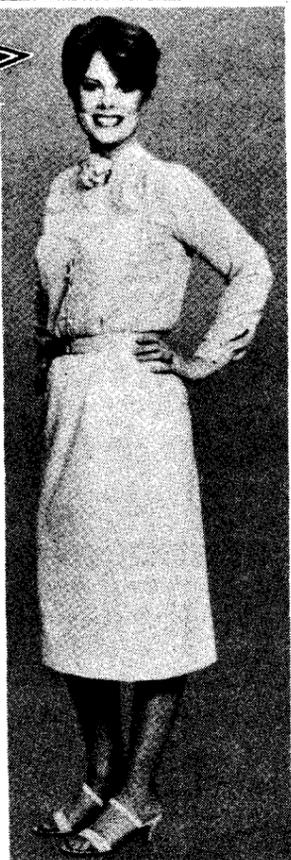
## SEEING IS BELIEVING!

As seen in  
NEW ENGLAND  
JOURNAL OF  
MEDICINE



LINDA MOZE SAYS:  
**"I LOST  
58  
LBS.**

WITH  
NUTRI/SYSTEM,  
AND I WAS NEVER  
HUNGRY FROM THE  
FIRST DAY!"



"I had tried every diet book and program I could find, and never succeeded, until I tried Nutri/System. I lost 6 pounds the first week and continued to lose consistently. And I was never tired (or felt hungry). The prepackaged foods were so convenient and tasty. I just loved the seafood chowder and veal Salisbury steak with mushrooms. I felt fabulous the whole time!"

"NUTRI/SYSTEM, I'M SO GLAD I FOUND YOU!"

**REMEMBER — TRUST THE  
LEADER AND LOSE!**

CALL TODAY FOR A FREE, NO OBLIGATION  
CONSULTATION

**FOR  
SALE**  
**'81 Toronado**  
Loaded, \$10,799. Make offer.  
Call:  
**852-2464**  
Daily after 6. Anytime on  
weekend. 1tp

**For  
Sale**  
'73 Cadillac Seville Sedan.  
Fair Condition.  
**\$350.00**  
Can be seen at Barclay Ave.,  
Apt. 1, anytime.

**TREES &  
SHRUBBERY**  
Trimmed, topped & removed,  
stumps removed, shrubs &  
trees planted, & lawn care —  
By  
**ECONOMY TREE  
SERVICE**  
At the lowest prices in this  
area. Free Estimates.  
**Call 881-8268**  
Anytime tf

## Here's Great News! Continental Cars

Has Been Authorized To Offer

**1175%**  
A.P.R. FINANCING

ON ANY NEW  
**'82 or '83 DATSUN**



For A Limited Time To Qualified Buyers

**Continental Cars**  
**UNIVERSITY  
DRIVE**  
**DATSUN**  
**WE ARE DRIVEN**  
PRODUCT OF NISSAN

**\$99.00**  
**FINAL WEEK!**  
SPECIAL  
NEW YEAR PROGRAM  
LOSE 20 POUNDS  
FOR \$99.00  
VALID FOR NEW CLIENTS ONLY - NOT VALID WITH ANY OTHER OFFER.  
Cost of physical examination required for weight loss program not included.  
Expires Jan. 22, 1983.  
Over 650 Centers in North America  
**nutri/system**  
weight loss medical centers  
HOURS 9-7 MON.-THRU THURS.  
9-1 FRIDAY  
**536-0005**  
GEORGETOWN SQUARE  
2011 GALLATIN ST.  
SUITE-A  
VISA

# Reenlistment policy stiffens for first-term soldiers

Reenlistment policy for first term soldiers has been further tightened, according to SFC Clifford D. Kistler, 1st Battalion reenlistment NCO.

The Army has established three priorities for first term soldiers seeking reenlistment. The priorities are based on a soldier's promotion status. First term soldiers who have been promoted to E-5 and those E-4s on an E-5 standing list will be priorities one and two. They will be allowed to reenlist if otherwise qualified and recommended by the unit commander.

Priority three will be for E-3s with less than 24 months service and E-4s who are not on the E-5 promotion list. Soldiers in these categories should apply for reenlistment at least seven months prior to their ETS. If their unit and battalion commanders recommend them for reenlistment their application proceeds to a reenlistment screening board for consideration.

The screening board will screen an individual's records and interview the individual before making a recommendation for or against reenlistment. According to School Brigade CSM E. E. Griner the screening boards will be looking at areas such as

educational achievement, aptitude area scores, non-judicial punishment, SQT scores and strength in the soldier's MOS. "You can be sure that we'll look at his last PT test, weapons qualification scores, appearance, bearing and military courtesy too," added Griner.

Although a personal interview isn't required in the new policy both School Brigade and Special Troops are using personal interviews as part of their board procedures. "We decided that we couldn't do it by a records review alone," explained Special Troops CSM Roger W. Yuraska. "You might have a sharp troop with a poor record or a good looking record for a bad soldier."

The board will recommend either approval or disapproval of the request for reenlistment. The convening authority will approve or disapprove the board's recommendations. If the board recommends approval the soldier will be allowed to reenlist provided he meets all other requirements. If the board approves the request of a soldier who requires a waiver to reenlist then that soldier may only reenlist if the waiver is granted by proper authority.

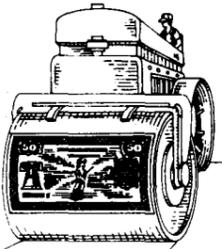
The change in the reenlistment requirements went into effect in December. Special Troops will hold its first reenlistment screening board on Jan. 20th. School Brigade's first board will be sometime in February. Board members for the screening boards will normally be the same as those for the monthly E-5/E-6 promotion board. Both Special Troops and School Brigade plan to hold their screening boards monthly following the promotion boards.

At MICOM reenlistment NCO SFC Harold Able described reenlistment as "very good. It's a little more difficult than it has been in the past because they give us ceilings."

So far his office here has managed to keep the number of people wanting to reenlist about the same as the maximum allowed. It has been able to increase the ceilings through permission from higher headquarters, Able said.

For the first quarter of fiscal 1983, October through December, initially there was a set maximum of 21 first termers. "We had 25 reenlisted. We got our ceiling increased by higher headquarters," explained Able.

**Pave the way.**



Take stock in America. Buy U.S. Savings Bonds.

**MOVIES TO GO**  
video center

**Video Cassette RENTAL RATES YOU CAN AFFORD!**

- VHA & BETA Format
- No Club Fees or Dues
- Discount with ID card
- No Tape Deposit
- Low Rental Fees
- VCR Rentals

THAT'S UNBEATABLE

**MOVIES TO GO**  
2105-E Mastin Lake N.W.  
859-1014 4tc

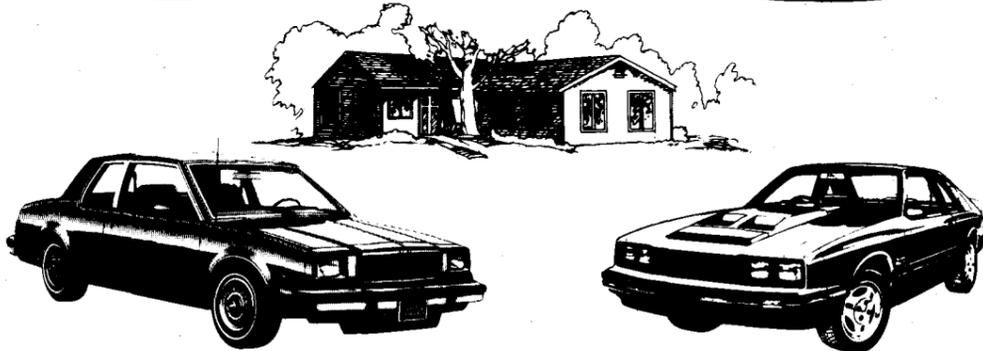
**BATTERIES**

- ALL TYPES NEW BATTERIES
- RECONDITIONED WHEN AVAILABLE
- BATTERY REPAIR
- WE BUY JUNK BATTERIES
- REBUILT STARTERS /ALTERNATORS

• **FREE INSTALLATION**

**Econo Battery Service**

803 Meridian St., N.  
PHO. 536-1845 EOW



**INTEREST RATES REDUCED ON MOST LOAN CATEGORIES**

**TERMS TO FIT YOUR BUDGET**

**CALL THE NEAREST CREDIT UNION OFFICE FOR DETAILS**

for members of

**REDSTONE FEDERAL CREDIT UNION**

P. O. Box 5347 • 220 Wynn Drive  
HUNTSVILLE, ALABAMA 35805



**R.F.C.U.**

# -Bid board-

(Continued from page 1)

service even more valuable, according to the small business office director.

"I know there are an awful lot of small businesses that are going under because of the state of the economy and possibly the business at the Missile Command, if they can get it, can alleviate that — who knows how much," Ingram says.

"There are several small businesses around this part of the country that have done quite well working the bid board."



Ingram shows bid package information

## We're Taking It To The Street.

Have you seen a red, white and blue car motoring up your avenue? It could be us. We're easy to spot, easy to find and eager to please.

For quick, free home delivery, we're out in front, leading the pizza pack.

We strove to be the leader, we strive to stay that way. Outstanding pizza is coming your way when we take it to your street.

Domino's Pizza. On time, every time.

Fast, Free Delivery  
2701 C. Patton Rd.  
Phone: 536-4433

Our drivers carry less than \$20.00.  
Limited delivery area.

©1982 Domino's Pizza, Inc.  
We accept checks.



**\$1.00 Off**

On any 12" or 16" Price Destroyer pizza.  
One coupon per pizza.



Domino's Pizza  
Fast, Free Delivery  
2701 C. Patton Rd.  
(crn.: Bob Wallace)  
Phone: 536-4433

26509/5870

Expires: 1/31/83

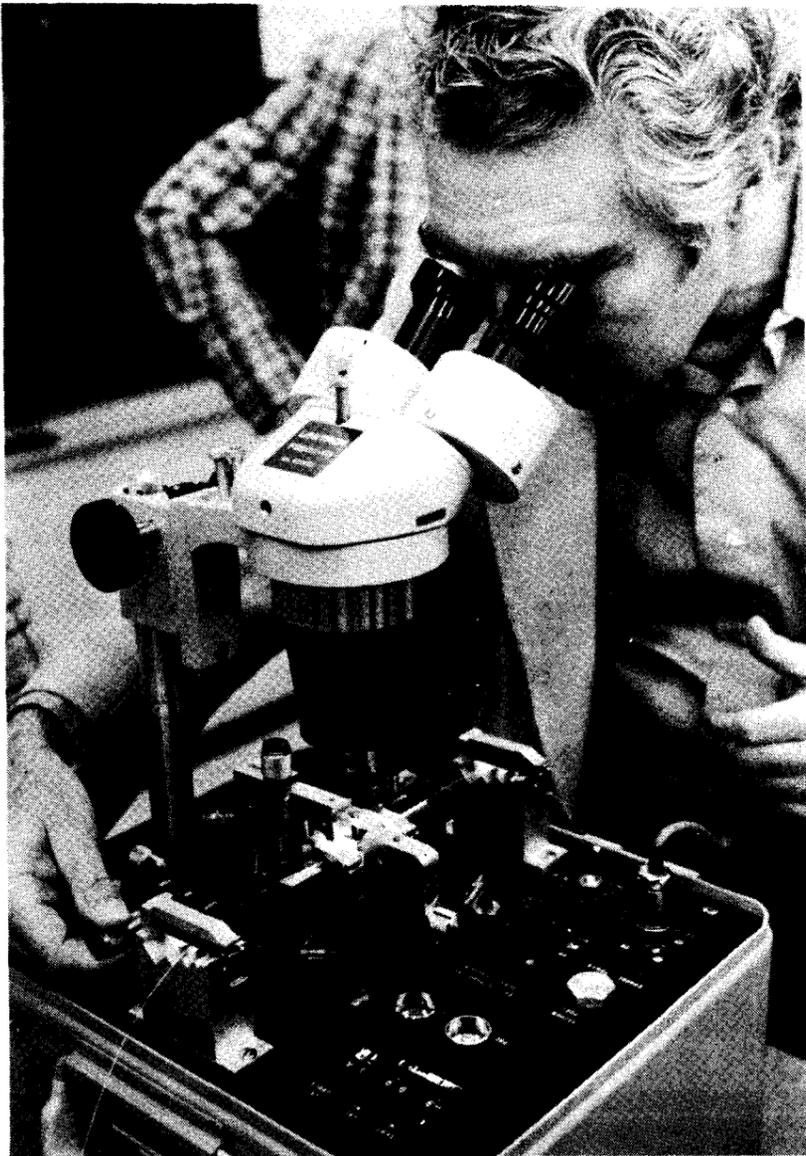
**Free Coke**

3 free 16oz. bottles of Coke with any pizza.  
One coupon per pizza.  
Expires: 1/31/83



Domino's Pizza  
Fast, Free Delivery  
2701 C. Patton Rd.  
(crn.: Bob Wallace)  
Phone: 536-4433

26509/5870



**Close look**

Clifford Walker of Patriot project looks at the results of a micrometer adjustment during a lab session at a 3-day fiber optics and optical sensors seminar at the University of Central Florida. "I'm following inertial sen-

sors for the project. They will be used in the future and I have to keep up with the technology," said Walker, an engineer in Patriot's hardware engineering division. (UCF photo)

## Hice's Wholesale Auto Parts

Open 7 Days a Week

**SALE** We Sell Wholesale to Everyone

Alternators . . . . . \$19<sup>95</sup> up

Late Model GM Alternators . . . . . Reg. \$36 \$30<sup>95</sup>

Save Up to \$30 On Alternators

<p>Starters From <b>\$22<sup>95</sup></b> Electronic Modules For Fords <b>\$39<sup>00</sup></b> Reg. \$75</p>	<p><b>Foreign &amp; Domestic</b> <small>Starters &amp; Alternators Rebuilt K &amp; D Rebuilders</small> <b>1 Day Service</b> Best Service Lowest Prices in Town</p>	<p><b>Chrysler Starter</b> <b>\$26<sup>95</sup></b> <b>Most Brake Shoes</b> <small>(Set of 2) . . . . . \$7<sup>95</sup> Most Disk Pads (Set of 2 wheels) . . . . . \$8<sup>95</sup> Rotors and Brake Drums Turned</small></p>
---	---	--

Parts Available For Most Foreign Cars

We Can Rebuild Starters or Alternators For Any Vehicle

**200 Jordan Lane, N.W. 539-2252**  
**Huntsville, Alabama**

Open 7 Days a Week : 8-8 Weekdays; 9-6 Sunday



## The University of Alabama IN HUNTSVILLE

Division of Continuing Education

Announces

### THREE TECHNICAL COURSES

#### Computer Architecture

Recent advances in Integrated Circuitry technology have led to more complex digital building blocks; this short course will provide a foundation for design of complex digital systems utilizing VHSIC/VLSI chips. This course will be focused on the architecture of processors and of multiprocessor systems using standardized bus systems for data transfer. Theoretical data flow considerations and practical busdriving aspects will be considered. Application techniques examined will include systolic arrays, distributed processing, multiprocessor systems, and pipelined operations.

Algorithms explored will include the discrete Fourier transform (DFT) and FFT, finite and infinite impulse response filters, and correlation/concolution.

Instructor: Dr. James Marr  
Date: March 14-25, 1983  
Time: 12:30 p.m. - 4:30 p.m.  
Fee: \$300.00

#### Advanced COBOL Features

This course is designed to provide experienced COBOL programmers with a thorough knowledge of various special features of the COBOL language. Upon completion of the course, the student will be capable of evaluating the applicability of these techniques in assigning programming tasks and their successful implementation.

Major topics are:

- ★ REPORT WRITER
- ★ CALLED and CALLING PROGRAMS
- ★ THE SORT VERB
- ★ THE COPY VERB
- ★ VARIABLE LENGTH RECORDS
- ★ DIRECT FILE ORGANIZATION
- ★ INDEXED SEQUENTIAL FILE ORGANIZATION
- ★ DIRECT ACCESS DEVICE CONCEPTS

Instructor: Fred Cash  
Date: February 23 - March 1, 1983  
Time: 8:00 a.m. - 4:30 p.m.  
Fee: \$300.00

#### Integrated Optics

This will be an introductory level short course with fundamentals and applications. The course will open with the historical evolution of the technology that was made possible by the invention to the laser, and began with the publication of Stewart Miller's paper Integrated Optics: An Introduction, Bell System Technical Journal, September 1969. The fundamentals of dielectric waveguide theory will be presented including planar and channel waveguides. The electronics materials and processing technology on which integrated optics is based will be part of the introductory materials, followed by the exposition on the electro optics effect in materials. The next section will be devoted to device technology including the fabrication of various optical functions in monolithic form using the photolithographic techniques currently in use for the fabrication of integrated circuits. The last section will deal with specific examples and case studies.

Instructor: Dr. Paul Ashley  
Date: February 7-14, 1983  
Time: 8:00 a.m. - 12 Noon  
Fee: \$250.00

FOR FURTHER INFORMATION PLEASE CALL:

**Jim Dowdy**  
**The University of Alabama in Huntsville**  
**Division of Continuing Education**  
**Huntsville, AL 35899**  
**205/895-6015**

An Affirmative Action/Equal Opportunity Institution

# Announcements

## Loan forgiveness program

Active duty military personnel who entered the service under a loan forgiveness contract need to stop by the Education Center, Bldg 3222 for counseling. Personnel who have National Direct Student and Guaranteed Student loans can request a loan deferment during their time in service. It is imperative to initiate this action immediately so as legal action is not taken against you for nonpayment. Contact Jan Rosenberg at 876-7502 if you have any questions or are in need of additional information.

## Government accountants

The North Alabama Chapter of the Association of Government Accountants will meet on Thursday, Jan. 20 at Michael's Restaurant, Ramada Inn. Social hour will be at 5:30 p.m. with dinner and business meeting to follow. W.E. Hamilton, chief, examination division, Internal Revenue Service in Birmingham will be guest speaker. His topic will be tax laws and IRS operations. Reservations may be made by contacting Aaron Walker 876-1366 or Marilyn Olson 895-4170.

## Marriage and family workshops

Arsenal chaplains invite interested persons to participate in a "Marriage and Family Festival", an afternoon of workshops Saturday, Feb. 5, at First Baptist Church beginning at 1 p.m. Workshop titles include: Marriage: lovers, friends and parents; Around the Table: family togetherness; Singleness as a family style; Retirement and Marriage; and more. Registration is required by Jan. 25. For information call 876-5707.

## FGBMFI meeting

The Full Gospel Business Men's Fellowship International, Huntsville chapter, is sponsoring David Doctorian, immigrant, farmer, professor and Missouri state senator as their guest speaker on "Faith for America" at the Sheraton Inn on Thursday Jan. 27. Dinner is at 6 p.m. and program at 7:30. For information and tickets call 881-4797 or 536-6832.

## Appreciation dinner

The active and retired NCO Wives Club members will be given Championship Trophy Award and a Plaque at the annual appreciation dinner tonight at 7 p.m. at the Elks Lodge. This special award will be given to the wives club members for their participation in ringing the bell for the Salvation Army during the Christmas holiday, which helped to provide money for the organization's varied programs.

## Free CPR class

A public class on cardio-pulmonary resuscitation (CPR) life-saving technique will be held Thursday Jan. 20 from 6-10 p.m. at the Clinical Science Building lecture hall. The class is free. To register call the Fire Academy, 532-7348.

## PX Sunday hours

The PX garden shop and shopette will be closed for inventory part of the day Sunday Jan. 23. The garden shop will be closed from 12 noon to 4 p.m. The shopette will be closed at 11 a.m. and reopen at 1 p.m. for the remainder of the day. All other PX facilities will operate on regular Sunday hours.

## SOLE meeting

The Tennessee Valley Chapter of the Society of Logistics Engineers will hold its regular business luncheon Thursday, Jan. 20, at the officers club. A social (cash bar) begins at 11:30 a.m. with lunch at noon. Matt Thome, the featured speaker, will give a presentation on the challenges of combating the after effects of a volcano eruption in Iceland. All present and prospective members, as well as other interested parties are invited. Cost is approximately \$6.00. For reservations contact Ken Oard, 830-1200, or Marty Martin, 876-1111.

## Flying club

The Redstone Arsenal Flying Club will hold its mandatory Quarterly Safety and General Membership Meeting at 7 p.m. Thursday, Jan. 27 in Toftoy Hall Auditorium.

## Learning Resource Center

The MICOM Learning Resource Center now offers two readily available courses for civilian and military personnel: Laser Technology and Affirmative Action Management Curriculum. Laser Technology provides "a fundamental graduate level theoretical background for the study of lasers, laser related phenomena and laser applications." Affirmative Action Management Curriculum courses include Emerging Woman Resource, Equal Employment Opportunity/Affirmative Action, and Minority Group Dynamics. For more information, call the LRC at 876-6256/6297.

## FEW program

Federally Employed Women will meet Jan. 26 at 6:30 p.m. at Memorial Funeral Home on Carmichael Ave. It is a "speak-up" meeting on the topic "FEW Directions". Members can express their wants and needs for FEW both locally and nationally for the next five years. For more information call Nancy Rostollan 876-1842. The February meeting will be a luncheon on the 23rd at 11:30 a.m. at the officers club. "Life Planning" is the program topic.

## NCO wives meet

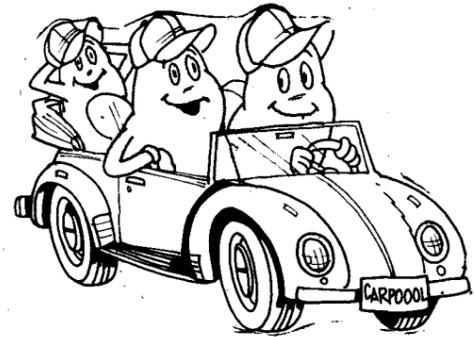
The NCO Wives Club at Redstone Arsenal will start the new year with their monthly social on Jan. 24 at 7 p.m. at the NCO club. The event will include an appreciation tea for all persons who helped with the gift wrapping during Christmas. Special recognition will be given to the ROTC students from Butler High School. For information call Blanch Moore, 837-6464, or Becky Sipes, 837-0923.

## Recreation Center

Tonight — Bumper pool at 7 p.m. Thursday — Movie "Blues Brothers" at 2:30 & 6:30 p.m. and Bingo at 8:30 Friday — Movie "Taps" at 2:30 & 6:30 p.m. Saturday — Talent show at 1:30. Sunday — Raccoon Mountain/Chickamauga tour at 7:30 a.m. Sunday — Spades at 7 p.m. Tuesday — Pool at 7 p.m.

# Carpool Hotline

Call 876-1500 to place your free carpool ad



## Northwest Huntsville

Ride wanted from 9th Street off Governors Drive to 4488, hours 7:30-4 flexible. Anita Flowers 876-5960/5903.

## Florence/Killen/Elgin/Rogersville

Carpool wanted from Florence/Killen/Elgin/Rogersville areas to Thiokol area, hours 7:45-4:15. Charlie McGlamery 882-8000.

## Guntersville

Carpool member wanted from Guntersville to 5201 and vicinity, hours 7:30-4. Lisa Walker 876-3744.

## Arab

Carpool member wanted from Arab to 4488 or vicinity, hours 7:3-3:30. Arvie Motte 876-8376 or Ken Shell 876-4180.

## Northwest Huntsville

Riders wanted from northwest Huntsville. Come in on Pulaski Pike, turn west on Sparkman Drive, arrive at Bldg 4488/5681 by way of Rideout Road. Crawford T. Kelly 876-2849.

## Flintville/Elora

Carpool member wanted from Flintville/Elora to 5678 vicinity, hours 7-3:30. Danny Ogle 876-1155.

## INDIVIDUAL RETIREMENT ACCOUNTS

# 10.20%

## Annual Percentage Rate

### EFFECTIVE FIRST QUARTER, 1983

A tax sheltered investment program that allows you to shelter up to \$2,000 from income taxes annually (\$4,000 if a working couple) while you build substantial funds for a secure retirement. No fee is charged to establish or maintain an Individual Retirement Account.

Dividends are not guaranteed and actual dividends are based on Redstone Federal Credit Union's available earnings.

## REDSTONE FEDERAL CREDIT UNION

P.O. Box 5347 • 220 Wynn Drive  
HUNTSVILLE, ALABAMA 35805

Your savings insured to \$100,000

National Credit Union Administration, a U.S. Government Agency

## Electrolysis Treatments

Hair removed permanently and safely  
28 years experience

MARY LOUISE BRAGDON, R.E.

209 Spring Valley Ct.

Call 883-4370

Member  
Electrologist Assn. of Ala.



# Mobile Homes For Rent

Nice, Clean Mobile Homes Close to Arsenal, Schools & Shopping Centers

**1, 2 and 3 Bedrooms**



Furnished or Unfurnished  
— 3 LOCATIONS —

**\$145<sup>00</sup>...\$175<sup>00</sup>...\$185<sup>00</sup>**

Monthly

For Complete Information  
Phone

**852-7253**

or

**852-0121**

## Moving?

Know before you go! For a guaranteed price before you move...

Call

**Howard L. Martin ...  
Lyon Van Lines  
837-3240**



### Economy Painting Co.

Paper Hanging & Interior & Exterior Painting. Licensed, bonded, insured. Free decorating service with jobs over \$200.00. Satisfaction guaranteed.

We appreciate your business. Free estimates

**Ph. 534-6195 or  
852-2478**

## Complete Video & Audio Services

- LOCATION OR STUDIO PRODUCTIONS
- 8 OR 16mm FILM TO VIDEO/VIDEO TO FILM
- VIDEO TRAINING AND MARKETING AIDS
- EDITING AND DUBBING (BETA, VHS, 3/4")
- PARTY SOUND AND LIGHTING
- RECORDS & TAPES PRODUCED (W/JACKETS)

### INTEGRATED SYSTEMS

823 WHEELER AVE.

CALL WALT PEASE 534-5153

SAVE FROM \$1700 to \$2400  
ON A NEW DATSUN TRUCK

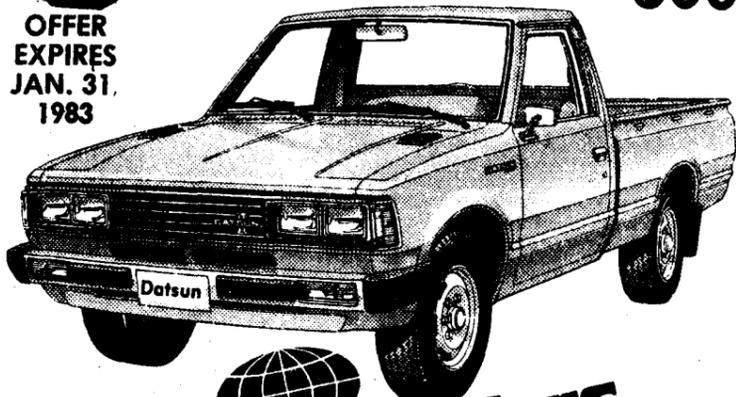
**9.9%**

A.P.R. FINANCING

SAVES YOU FROM  
\$1100 to \$1800

**FREE** Diesel Engine Saves You \$600

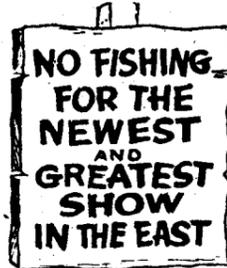
OFFER  
EXPIRES  
JAN. 31,  
1983



**Continental Cars**  
UNIVERSITY  
DRIVE

**DATSUN**  
WE ARE DRIVEN  
PRODUCT OF NISSAN

## A GREAT FAMILY ENTERTAINMENT SHOW



# SPORTS and GREAT OUTDOORS SHOW OF

**NORTH ALABAMA  
VON BRAUN CIVIC CENTER, H'VILLE**

THURSDAY — JAN. 20 — 5 to 10 P.M.  
FRIDAY — JAN. 21 — 5 to 10 P.M.  
SATURDAY — JAN. 22 - Noon to 10:30  
SUNDAY — JAN. 23 Noon to 8 P.M.

ADMISSIONS  
ADULTS \$3.00  
CHILDREN \$1.50  
AGES 6 to 14

## GREAT EXHIBITS and ... GREAT ATTRACTIONS

MEET SALT WATER AND FRESH WATER FISHING EXPERTS!



**KEN LAUER**  
SURF FISHING EXPERT



**Capt. FRANK MUNDUS**  
SHARK FISHING EXPERT



**JOHN HOLDEN**  
WORLD RECORD CASTING CHAMP—ENGLAND



**EARL SCHRIVER & BIRDS OF PREY**



**DAVE BEARD'S WORLD OF REPTILES**



RECORD SHARK MOUNT DISPLAY  
BY STREN LINE

Plus other Attractions  
Including "Catch'em & Keep'em"  
Fishing and ... Kids Fishing!



## Display Wantads

### DISPLAY WANTAD INFORMATION

Display Wantads are \$5 each for a space of one column wide (1 3/4") by two inches deep. Unless credit has been established, all copy must be accompanied by check or money order and addressed to the Redstone Rocket, P. O. Box 5351, Huntsville, Ala. 35805. Deadline for Display Wantad copy is Friday, 5 p.m. prior to the Rocket's Wednesday publication day.



### TIME TO RETIRE

When it's time to retire ... where will your income come from? Will it be enough? Let me share some valuable ideas with you about what life insurance can do. Phone ... write ... visit

**GEORGE E. PURNELL**  
NEW YORK LIFE  
INSURANCE COMPANY  
548 Central Bank Building  
Huntsville, Alabama 35801

Business..... 533-9770  
Res..... 852-4754

## FOR SALE

**1982 FORD  
F100 1/2 TON  
PICK-UP TRUCK**  
3 Speed on column, Stereo  
Tape player, dark blue in  
color. Still under warranty.  
Must sell. Asking only  
\$6666.66 or best offer.  
Call:  
**James 828-6087  
or 532-8296.**

## SPECIAL SALE

IBM Selectric Typewriters  
**\$375.00**  
Other Electric Typewriters  
**\$100.00**  
Manual Typewriters  
**\$35.00**  
WILL TRADE  
**881-5510**  
From 9 'til 5  
We also rent and service all  
types of office machines.

## ATTORNEYS

INEXPENSIVE  
ROUTINE LEGAL SERVICES

- DIVORCE • SIMPLE WILLS
- BANKRUPTCY • ADOPTION

**533-3328**

Fees Available on Request  
**CALLAWAY AND BRADLEY**  
207 Eustis Avenue, S.E.

The Alabama Supreme Court requires every lawyer who chooses to advertise to publish the following: "No representation is made about the quality of legal services to be performed or the expertise of the lawyer performing such services."

## KWIK KLEEN CENTER Dry Cleaning Coin Laundry 881-9661

One of the Largest — Kept Clean — 34 Washers — 24 Dryers — 5 Big Washers — Alterations — Fluff Dry Service. Open 7 Days - 7 a.m. - 10 p.m.

One Mile West of Parkway City Mall  
3113 Drake Ave. at Triana Blvd.

☆☆☆☆☆  
**COIN LAUNDRY**  
Clean, Modern Equipment  
**THOMAS ROAD LAUNDROMAT**

Located Next To Circle C Food  
On Drake Ave. Half-way Between  
Jordan Lane & Triana Blvd.

## Rent

### A Home on the Lake

**WHEELER LAKE** — Three bdrm. brick home with 2 fireplaces, full basement and 2 baths. This beautiful home has a big screened porch to watch the sun set down the lake. Good pier and big trees. \$440/mo. w/lease & references.

**ELK RIVER** — Two bdrms, 1 bath, great room and big fireplace. Has double garage, big trees, fenced yard and nice pier. This is a beautiful place to live year round — central heat and air. \$375/mo. w/lease & references.

These are waterfront homes on beautiful water. They are located about 35 miles west of Huntsville.

CALL TODAY:

**RESULTS REALTY**  
837-5634

NOW OPEN!

## Jim's Pawn Shop

3806 Governor's Dr.  
Mon. - Sat. 8 a.m. - 6 p.m.



BUY, SELL, TRADE  
anything of value



**539-8592**



MANAGER:  
**LARRY CHAMBERLAIN**  
U.S. Army, Retired

## Specials For This Week

**'74 Volvo**  
Automatic & air, sun-  
roof. Local, one owner.

**Two (2)  
'76 Spitfires**  
Both local cars, excel-  
lent condition.

**'77 Cutlass  
442**  
Fully loaded. Two  
owners. 56,000 miles.

**'78 Chevrolet**  
Monza Wagon, D-6,  
automatic, air & steer-  
ing. 55,000 actual  
miles.

## LEDBETTER - WORD

Auto Sales

Buy - Trade - Sell - Consign

**830-1813**

117 Jordan Lane      Huntsville

## Mary E. Yarbrough

Resumes, Inventory Lists,  
Reports, Thesis and any  
other typing you may  
need.

**THE  
FAST  
WORD**

WORD PROCESSING  
CENTER

3322 Holiday Office Center  
Suite 104  
Huntsville, AL 35801  
Phone 881-6941

Service With A  
"Personal Touch"

Secretarial  
Excellence

Meet The Slimmer,  
Trimmer, Healthier,  
Happier

**CATHY MARTIN**  
I Lost 68 Pounds And  
73 Inches

- Lose weight fast and safely
- For men, women and children
- Results Guaranteed

CALL FOR FREE  
CONSULTATION

**533-7070**

\$100 OFF

Any New 8 Week or Longer  
Program. Limited Time Only!

**MEDICAL WEIGHT LOSS CLINIC**

OPEN MON. - FRI. 9:30 to 5:30

Georgetown Office Park  
220 Rhett Ave. Suite - H



When You Advertise  
in the Redstone Rocket,  
You're Talking to an  
**\$8,500,000**  
Weekly Payroll!

Individually, 20,000 Redstone Arsenal employees earn an average salary of \$435 a week. Collectively, each week these people swell the payroll to \$8,500,000.

Of the 20,000 Arsenal employees, 16,000 are civilians and the remainder, military. Thus, about 80% of Arsenal employees support families off the base and are consistently good buyers.

Rocket advertisers each week see the good results the paper's advertising columns produce for them.

That \$8,500,000 weekly payroll is plenty impressive but when you multiply that by 52 ... \$450,000,000 is Redstone's yearly payroll!

The Rocket would like to show you the path to that brimming bonanza!

## Redstone Rocket

Over 35,000 people (Redstone Arsenal employees and their families) read the Redstone Rocket each week. This figure is based on the Association of American Advertising Agencies' acceptance of two and one-half readers per newspaper. The Rocket's circulation as of July 1, 1982, is 14,000.

500 Wynn Dr. N.W., Executive Plaza, Suite 502G

830-1501

Huntsville, Alabama

830-1502

Richard Kolb, Advertising Manager

## FOREIGN LANGUAGES SERVICES, INC.

Announces:

Winter Evening Classes  
Beginning Feb. 7

FRENCH II ..... Thursday

GERMAN II ..... Thursday

KOREAN I ..... Tuesday

ARABIC I ..... Tuesday

ITALIAN I & II ..... Wednesday

JAPANESE I & II ..... Monday

Native Teachers — Small Classes

Learn How to Communicate

With Ease and Style!

**REGISTER BY FEB. 3!**

Call FLS, Inc. 533-5354

2304-B Whitesburg Dr.

# SOUTHEASTERN INSTITUTE OF TECHNOLOGY

## AN INDEPENDENT PROFESSIONAL SCHOOL OF ENGINEERING, MANAGEMENT, AND APPLIED SCIENCE

### COURSE OFFERINGS — EARLY SPRING TERM 1983

**DATES:** MW sessions Feb. 28—Apr. 27; TT sessions Mar. 1—Apr. 28; Sat sessions Feb. 26—Apr. 23. Holiday March 14-19.

**LOCATION:** 200 Sparkman Drive, Cummings Research Park

**REGISTRATION:** Continuous through first session. Reservations are required (telephone 837-9726). **GOVERNMENT EMPLOYEES:** tuition assistance requests must be received by Training Office 30 days prior to course start. You must make your own reservations with Southeastern.

**FEES:** Full-term 300/600 level: \$225 tuition plus \$5 registration, or as noted. Application (one-time): \$5 special (nondegree); \$25 regular. Textbooks are additional.

**INFORMATION:** Telephone (205) 837-9726.

\*\*\*\*\*

**11-672 ADVANCED RADAR SYSTEMS II** . . . . . MW 4:30-6:40 p.m.  
A detailed study of selected advanced topics in radar systems. Background: good knowledge of basic radar. Instructors: Stephen M. Gilbert, Ph.D.; Dynetics, Inc.; Larry D. Bennett, D.Sc.; U.S. Army Missile Command.

**14-401 MODERN ENGINEERING MATERIALS** . . . . . Sat 8:00-12:00 noon  
A study of the properties and processing of modern engineering materials. Background: basic knowledge of chemistry desirable. Instructor: Raymond C. Watson, Jr., M.S., M.S.E.; Southeastern Institute of Technology.

**14-671 ADVANCED SOLID ROCKETS** . . . . . TT 4:30-6:40 p.m.  
A detailed study of selected advanced topics in solid-propellant rockets. Background: basic knowledge of rocket systems. Instructor: Robert R. Kruse, Ph.D.; Thiokol Huntsville Operations.

**17-505 INTERMEDIATE PROGRAMMING** . . . . . TT 6:50-9:00 p.m.  
An intermediate study of Fortran and an introduction to other high-level programming languages. Background: basic knowledge of Fortran. Instructor: Marvin Polan, M.Sc.; Teledyne Brown Engineering.

**17-309/509 PROGRAMMING LABORATORY** . . . . . \*MW 6:50-9:00 p.m.  
Guided (309) or independent (509) hands-on practice using advanced personal computers. Credit: 1.5 units; fee: \$120. (\*) Primarily hours arranged. Instructor: John L. Montgomery, B.S.M.E.; Dynetics, Inc.

**17-514 COMPUTER DATA STRUCTURES** . . . . . TT 4:30-6:40 p.m.  
A study of logical data structures and their machine processing. Background: basic knowledge of Fortran programming. Instructor: Robert R. Covelli, S.M.; System Development Corporation.

**17-662 ADVANCED COMPUTER NETWORKS** . . . . . MW 6:50-9:00 p.m.  
A detailed study of advanced concepts and techniques in computer communications networks. Background: basic knowledge of computer networks. Instructor: William J. Barksdale, Ph.D.; South TEC Associates.

**17-672 SOFTWARE RELIABILITY** . . . . . MW 4:30-6:40 p.m.  
A study of the reliability aspects of large-scale software production. Background: good knowledge of programming. Instructor: Mack W. Alford, M.A.; TRW Huntsville Facility.

**21-646 BEHAVIOR MANAGEMENT** . . . . . TT 4:30-6:40 p.m.  
A study of procedures for applying knowledge of human behavior to the performance of people in organizations. Background: studies or experience in management. Instructor: Sam L. Hardy, D.Sc.; Key Resources Development Company.

**24-511 MARKETING THEORY AND PRACTICES** . . . . . MW 4:30-6:40 p.m.  
An overview of marketing theory and practices from the managerial viewpoint. Background: basic knowledge of business operations desirable. Instructor: Richard H. Shuford, Jr., D.B.A.; Management Consultant.

**24-551 GOVERNMENT CONTRACTING** . . . . . MW 6:50-9:00 p.m.  
A study of contracting by and with the federal government. Background: basic knowledge of business operations desirable. Instructor: Eugene R. Andrzejewski, M.B.A.; Teledyne Brown Engineering.

**27-691 MANAGEMENT OF INNOVATION** . . . . . TT 6:50-9:00 p.m.  
A seminar on the management of innovation in technical organizations. Background: studies or experience in technical management. Instructor: Julian S. Kobler, J.D., D.Sc.; Management Consultant.

**31-504 QUANTITATIVE METHODS IN MGMT.** . . . . . MW 6:50-9:00 p.m.  
A survey of mathematical techniques that are used in managerial decision-making. Background: basic knowledge of college mathematics. Instructor: Raymond C. Watson, Jr., M.S., M.S.E.; Southeastern Institute of Technology.

**31-617 APPLIED STOCHASTIC PROCESSES** . . . . . TT 4:30-6:40 p.m.  
An intensive study of stochastic processes, emphasizing information applications. Background: knowledge of probability and random variables. Instructor: Mervin C. Budge, Ph.D.; Dynetics, Inc.

**34-631 ADVANCED INFRARED SYSTEMS** . . . . . TT 6:50-9:00 p.m.  
A study of selected advanced topics in infrared systems, including laboratory experiments. Background: basic knowledge of infrared systems. Instructor: Peter D. Poulsen, D.Sc.; Adjunct Systems, Inc.

### SPECIAL COURSES

**11-591 RADAR PRINCIPLES** . . . . . Feb. 28—Mar. 4  
M-F, 8:00 a.m.-12:00 noon  
An overview of modern radar theory and applications, primarily for engineers and managers involved in radar-related projects. Not available for academic credit. Instructor: Stephen M. Gilbert, Ph.D.; Dynetics, Inc. Fee: \$350.

**34-691A HIGH-ALTITUDE NUCLEAR PHENOMENOLOGY** Feb. 28-Apr. 25  
Mondays, 9:00 a.m.-12:00 noon  
An intensive examination of high-altitude nuclear burst phenomenology, primarily as related to effects on sensor systems. Secret security clearance required. Location: BMDSCOM Building. Instructor: Timothy L. Stephens, Ph.D.; Kaman Tempo. Fee: \$300.

**34-691B THERMAL IMAGING SYSTEMS** . . . . . Rescheduled: Apr. 25-29  
M-F, 8:00 a.m.-4:00 p.m.  
An intensive examination of the theory, design, and fabrication of thermal imaging (FLIR) systems and their military applications. Instructor: R. Barry Johnson, M.S.; Texas Medical Instruments. Fee: \$550.

\*\*\*\*\*

### NEW AND REVISED DOCTORAL PROGRAMS

A program leading to the Doctor of Engineering (D.Eng.) degree is now available from Southeastern with the following specialty concentrations:

- Computer Systems Engineering
- Electro-Optical Systems Engineering
- Engineering Management
- Missile Systems Engineering
- Radar Systems Engineering
- Software Systems Engineering.

Other specialties may be developed for persons with prior doctoral studies. Programs are also available leading to the Doctor of Science (D.Sc.) and Doctor of Management (D.Mgt.) degrees. These programs have been revised and include new, more flexible options for completing the research requirements. A special brochure on the doctoral programs is available.

### MASTERS PROGRAMS IN MANY SPECIALTIES

Southeastern provides programs leading to the Master of Science (M.Sc.), Master of Science in Engineering (M.Sc.Eng.) and Master of Science in Management (M.Sc.Mgt.) degrees. The following specialties are available:

- Applied Mathematics
- Business Management
- Computer Systems
- Electro-Optical Systems
- Engineering Management
- Governmental Management
- Management/Human Relations
- Missile Systems
- Procurement Management
- Radar Systems
- Signal Processing
- Software Systems

### UNDERGRADUATE COURSES AND PROGRAMS

Southeastern now offers a full series of undergraduate courses in engineering fundamentals, computer programming, and applied mathematics. These courses are designed for experienced adults with two or more years of college (or the equivalent). These courses may be used in

- Refresher activities for graduate engineers
- Competency improvement programs for technicians
- Undergraduate degree-completion programs
- Career-redirection certificate programs.

Special information is available on certificate programs in computer programming and fundamental engineering and completion programs leading to the Bachelor of Science (B.Sc.) and Bachelor of Engineering Science (B.Eng.Sc.) degrees.

\*\*\*\*\*

Southeastern Institute of Technology is an independent, nonprofit institution of higher education, fully approved by the Alabama Department of Education to provide continuing education and professional degree programs. Central facilities are located at 200 Sparkman Drive, Cummings Research Park. The mailing address is P.O. Box 1485, Huntsville, AL 35807. Telephone

**(205) 837-9726**

Southeastern Institute of Technology admits attendees of any age, sex, race, color, or national and ethnic origin.