

Redstone Rocket

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MICOM Family Picnic

Variety of attractions planned for annual free event set this weekend

The annual MICOM family picnic— offering everything from displays to musical entertainment and sports —is set for Saturday at the civilian recreation area.

Admission is free. Invited are active and retired civilians, active and retired military, associated contractors, and family members of each of these groups.

Attractions include displays, softball and volleyball, musical entertainment, a dunking booth, children's events, teen activities, bingo, and contests. Parachute jumpers are also planned this year. Hotdogs, barbecue pork or barbecue chicken plates, soft drinks, and ice cream will be on sale.

"It's really going to be an exciting day," said Chuck Martin, the picnic chairman. The event is set for 10 a.m. to 4 p.m. Saturday, June 18 (with a June 25 rain date). The food, to be served from 11-3, will be cooked on the premises.

Everyone, excluding the family members, can register to win a VCR in the door prize drawing set for 4 p.m. Active government employees can register at the gate— showing proof of employment such as an identification badge —to win hourly drawings for the following prizes: man's Pulsar watch, 11 a.m.; ladies diamond (Hamilton Scoville) watch, noon; Sharp carousel microwave, 1 p.m.; Sunbeam gas grill, 2 p.m.; and Cannon (multi-tele) camera, 3 p.m.

You must be present to win any of the prizes. And since the gifts will be reported to the Internal Revenue Service, you must also have a Social Security number. This includes all prize drawings, bingo and children's prizes.

Changes this year include locations for some of the activities. In previous years, people who wanted to play bingo had to be shuttle bused to the Rustic Lodge. This time bingo will be played in a tent where the children's events were last year, and the children's activities have moved eastward in the recreation area. "We'll be using more of the recreational area," Martin said, "to spread the picnic out and keep it more self-contained or (the events) more closely related to one another."

This year's picnic, funded by the Civilian Welfare Fund, is sponsored by the Research, Development and Engineering Center.

Sports

The softball and volleyball tournaments are to begin the day before the picnic so only the championship finals will be played at the picnic. "That will leave the fields empty for anybody who wants to get up a sandlot team," Martin said. "And contests will take up one of the softball fields."

Displays and exhibits range from health checks to boat safety inspections. There will be several new exhibits at this year's picnic, according to Randy Buford, chairman of the displays/exhibits committee. Attendees can expect to see the following: Huntsville Hospital's health mobile, an old street car from Huntsville Depot Museum, the crime prevention trailer from the investigations branch of provost marshal office, various weapon systems from the Ordnance Missile and Munitions Center and School, a full-scale mockup of Army TACMS from Army Tactical Missile System Project Office, a UH-1 helicopter from flight operations division of Redstone Arsenal Support Activity, outdoor recreation equipment, and a 60-foot ladder/fire truck. The Coast Guard Auxiliary will be returning this year to offer free boat inspections and information concerning boating safety and proper boat operations.

Entertainment

A variety of musical entertainment will be provided. Groups range from country & western to contem-



READY FOR SHOW — Ray Clift, chief of investigations branch of the provost marshal's office, greets McGruff and Officer Ollie, two of the characters in the "McGruff and

Friends" puppet show performed from the Redstone Arsenal crime prevention trailer. The trailer will be among the displays at this weekend's MICOM picnic.

porary jazz and rock. There will also be a disc jockey and professional actors.

Scheduled performers include Riapsedon, a seven-piece contemporary and jazz group; Sex Clark Five, a four-piece rock band; Rick Jobe & Tuxedo Junction, a five-piece swing and contemporary jazz group; Brenda Oliver, a worker at Procurement Directorate who sings country and western music; and Keith Taylor Trio which plays contemporary and traditional jazz. Byron Tidwell & Company are the professional actors slated to perform. Kenneth Gurley, who works at Chaparral/FAAR project, will be the disc jockey. Gurley is a program producer and DJ with WLRH Radio.

Young people's events

Children's activities will again include face painting and the moon bounce. Carnival games will go on all

day with a total of 5,000 prizes. Games will be conducted for children of all ages— toddler through 12 years. There will be a visit from Sparky, Pluggie, Smokey Bear and the California Raisin. Clowns will be at the area all during the day. Free popcorn and balloons will be given to the children.

Teen activities include volleyball, horseshoes, putt-putt golf, football toss, and softball. There will also be three shows of trick bicycle riding and trick motorcycle riding over obstacles, according to Cliff Sisson, chairman of the teen activities committee. The three shows are set for 11 a.m., 1 p.m. and 3 p.m. "It's about a 30-minute show," Sisson said.

Contests at the picnic will feature ring toss, basketball toss, frisbee toss, hula-hoop dance, sack race, and raw egg toss.

(See Picnic, cont'd on page 7)

Safety a priority for trick riders

Trick motorcycle and bicycle riding and skateboarding will be demonstrated at Saturday's MICOM picnic.

The three shows are set for 11 a.m., 1 and 3 p.m. Each show is to feature the following:

- Four Observed Trials Motorcycle riders demonstrating a variety of techniques while riding over obstacles such as pyramids, tables, see-saws, and an auto;
- One Observed Trials Bicycle rider attempting the same obstacles as the motorcyclists;
- Three Freestyle Bicycle riders demonstrating a number of tricks and stunts including the use of a quarter pipe for altitude maneuvers;
- And three skateboarders performing altitude tricks with a quarter pipe.

"One of the things we emphasize is have a good time but do it safe," said Glenn McNeal, explaining that all 11 riders wear such safety gear as helmets.

McNeal, a branch chief in MICOM's Security Assistance Management Directorate, has two sons involved in the upcoming shows: Steve on motorcycle and Tom on Observed Trials bicycle.

The other performers include freestyle bicyclists David Nash of Huntsville, David Kyle of Athens and Scottie Wyatt of Rainsville; motorcyclists Barry Langford of Huntsville, Curt Comer and Nelson Crouch, both of Winchester, Tenn.; and skateboarders Jason Thrasher, John Gray and Paul Patterson, all of Huntsville.



Justice served?

Editor:

I would like to address the (June 1, *Redstone Rocket*) article on the recruiter who was court-martialed and sentenced to a bad conduct discharge.

Your article did not mention that when the Redstone Arsenal Staff Judge Advocate became aware of the situation for which he was tried, that the problem had been resolved for several months. That the family was voluntarily receiving counseling from an Army chaplain. That the JAG office was informed through Mental Health personnel where his wife went for additional counseling.

You did not mention that the Army has a Family Advocacy Program outlined in AR 608-18 which sets specific guidelines for identification, treatment, and rehabilitation of offenders. This program was not even considered in this case, though the doctors and other mental health personnel strongly recommended it as the best course of action for the whole family.

Some people might say that justice was served. Justice for whom? The victims? The victims were harassed, questioned, and not allowed to forget the details of what had happened so, that they could continue the healing process. The family came closer to being destroyed by the Army legal system in the last eight months than by what had occurred. Their future is unsure as their chief means of income and security is disrupted. No, not justice for them.

Justice for the Army? The Army loses an outstanding, conscientious NCO with 11 years of very valuable training and experience. The pre-trial and trial preparations and trial cost the Army thousands of dollars that could have been saved by following the guidelines set out in AR 608-18 or by approving the request for a Chapter 10 which was submitted. Is this justice for the Army? I think not.

So, what has this court-martial proven? That the Redstone Arsenal Staff Judge Advocate would rather spend thousands of dollars to prosecute a soldier than to have the Army take care of its own, by placing him in the Family Advocacy Program which is already in place and would have cost nothing extra!

Name withheld by request

Hiring freeze

Editor:

There is a hiring freeze at the RD&E Center due to an overstrength in engineers. To fill any vacancy (not restricted to engineers) requires approval from the

Resource Committee. Therefore, personnel in the RD&E Center are the only ones being promoted in the organization— qualified or not! What has happened to the Redstone Arsenal Merit Promotion System? There are positions being filled at the RD&E Center and they are not being announced? For example, administrative officers in both the Center Support Office and the Advanced Sensors Directorate. Does the RD&E Center have their own hiring regulations?

Recently, a GS-8 secretary (stenographer) position was announced for the RD&E Center. Why bother to advertise if they can only promote within the organization? We surely hope that there has not been a pre-selection!

Name withheld by request

Softball fields

Editor:

I have been playing softball in the Huntsville area for over 20 years, the last three on Redstone Arsenal in the Civilian Welfare League. The fields at the civilian recreation area as compared to other local fields are abysmal and downright dangerous. The fields have never been lined or dragged, and the foul lines and out of bounds lines are left up to the vivid imagination of the marginal umpiring crew. There is more grass growing in the infield than in the outfield and the lighting system is totally inadequate with over two-thirds of the lights burned out. The placement of one field has the batters staring into a blinding sun, which also affects the infielders receiving throws from the outfield. Our pitcher narrowly avoided serious injury earlier this year when he was struck in the head and knocked unconscious when he was unable to see a throw to the plate.

Despite numerous complaints in years past, no improvements have been made. The only maintenance done to the fields, other than grass cutting, is performed by players who arrive early and use their own tools and supplies. The stock reason given for lack of maintenance has always been the lack of funds. In light of the budgetary constraints of late, this excuse always seemed plausible. However, it was recently discovered that the Civilian Welfare Council approved a \$700 request for one of the teams to play in a tournament in Montgomery. This money went towards gas, food, lodging, and entry fee— for a tournament which had no relationship to the Civilian Welfare League. Further tainting this revelation is the fact that this team took at least one player who does not play in our league.

It seems ludicrous that the Civilian Welfare Council should ignore the deplorable conditions of our own fields and spend scarce resources on an event in which the league as a whole derives no benefit. This \$700 would have gone a long way towards resolving many of the deficiencies in the softball facilities and reducing the possibility of a serious accident. If the Civilian Welfare Council wants to send teams on boondoggles, let them do it with money out of their own pocket.

Gordon Jones
Procurement Directorate

Union update

Editor:

AFGE, the American Federation of Government Employees, has made some headway in pay hike. The House Appropriations Committee has agreed to a 4 percent pay hike. Chairman Jamie Whitten (D-Miss.) said the measure was for a June 9 vote before the full House, where it is expected to win approval. The Amendment also cites a 4 percent Military raise. "Hundreds of civilian jobs in the headquarters of military commands should be eliminated by September 1989," according to a newly released report requested by Defense Secretary Frank C. Carlucci. Pushing more authority for base operations to lower levels and reducing the role of individual services in multi-service commands would enable the Pentagon to cut 7,309 civilian and military slots, the report said. The commission recommended doing away with some commands and reducing or consolidating others. Overlapping responsibilities and duplication of functions in base operations received special attention from the group. Base operations traditionally encompass a number of jobs performed by civilian employees.

A congressional ban on secrecy pledges required of federal employees is unconstitutional, a federal judge has ruled. A provision barring federal spending to enact the secrecy pledges "impermissibly restricts the president's power to fulfill obligations imposed on him by his express constitutional powers and the role of the executive in foreign relations," the judge ruled. The provision, contained in the catch-all government spending bill passed last December, blocked spending on any secrecy agreements using the word "classifiable." The term is contained in Standard Form 189, signed by more than 1.7 million federal employees. SF-189 makes employees liable for directly or indirectly divulging any classified or classifiable information to unauthorized persons. Another form, the SF-4193, requires employees with special compartmented information access to submit to "prepublication review of contemplated disclosures of SCI information." The ruling by District of Columbia District Judge Oliver Gasch came in a case brought by three federal unions and seven Congress members challenging the forms.

We appreciate your support.

Dennis Garrison
President,
AFGE Local 1858

Sign your letter

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

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Survey addresses quality of life here

A survey is being conducted on quality of life programs and services at Redstone in preparation for a symposium later this summer.

This offers a chance to have a say in those programs and services that affect you and your family, according to survey literature. The data collected in the survey will be used at the Redstone Arsenal Family Action Symposium set for Aug. 11.

Opinions and concerns are sought in the following areas: Family Support Programs, pay/allowance/entitlements, medical and dental, housing, education, transportation, retiree/reservist support and services, relocation, child care, youth activities, duty environment, and other areas.

"Everybody that uses services on Redstone Arsenal is eligible to take the survey, and that includes DOD civilians," said Frank Tarpley, a management analyst in the Resource Management Directorate.

Respondents are asked the following:

- What at Redstone Arsenal needs improvement?
- Why is it a problem?
- Recommended solution?

Completed surveys should be returned by July 15 to Commander, MICOM, Attn: AMSMI-RM-PM

(Tarpley), Redstone Arsenal, Ala. 35898-5080, or any collection point located at Post Exchange and the Commissary.

For more information or survey forms, call Tarpley at 876-8757.



Safe Boating Council

Next commander a former project manager here

The next commander of the Missile Command and Redstone Arsenal is a 52-year-old Kentucky native who once served at MICOM as project manager for the Multiple Launch Rocket System.

Maj. Gen. Gus Cianciolo will succeed Maj. Gen. Thomas Reese as MICOM commander in a change of command ceremony set for July 13.

Reese will assume new duties in the Pentagon as deputy for systems management on the staff of the assistant secretary of the Army for research, development and acquisition. Cianciolo has been serving in that position since April 1987.

Cianciolo was born in Covington, Ky., on March 11, 1936. Upon completion of the ROTC curriculum and the educational course of study at Xavier University, he was commissioned a second lieutenant and awarded a bachelor's degree in accounting. He also holds a master's in aerospace engineering from the University of Southern California.

His military education includes completion of the Field Artillery School, U.S. Army Command and General Staff College, and the U.S. Army War College.

Cianciolo's assignments have included commander, 41st Field Artillery Group, V Corps Artillery, U.S. Army Europe; MLRS project manager from 1982-83; and deputy director of materiel, plans, and programs

in the office of the deputy chief of staff for research, development and acquisition in Washington, D.C.

Upon completion of the Army Command and General Staff College at Fort Leavenworth, Kan., he was a staff officer in the air mobility division, office of the chief of research and development in Washington, D.C. Cianciolo was the assistant fire support coordinator, later executive officer, for division artillery, 2nd Armored Division at Fort Hood, Texas. Subsequently, he became the assistant chief of staff, G-5 (civil affairs), for the 2nd Armored Division; and then commanded the 1st Battalion, 78th Field Artillery, 2nd Armored Division. Following his attendance at the Army War College at Carlisle Barracks, Pa., he became project manager of the Standoff Target Acquisition/Attack System at the Army Electronics Research and Development Command, Fort Monmouth, N.J.

Awards and decorations which Cianciolo has received include the Bronze Star Medal with "V" device (with two oak leaf clusters), Meritorious Service Medal (with oak leaf cluster), Air Medals with "V" device, the Army Commendation Medal (with two oak leaf clusters), the Master Army Aviator Badge, and the Army General Staff Identification Badge.

He and his wife Sheila have three children: Teresa, Martin and Anthony.



CIANCIOLO

Redstone shows reporters what the Russians will see

BY SKIP VAUGHN

News media representatives on Monday were given a preview of what the Soviet inspectors will see when they visit Redstone under the INF Treaty.

"On-site inspections by the Soviets are new and different experiences for us, but we've prepared, we've done our homework and we're ready," MICOM commander Maj. Gen. Thomas Reese told the reporters during a briefing at the post theater. He said the Missile Command manages the Pershing weapon system, the success of Pershing contributed to the INF Treaty and "we're proud of Pershing."

The Pershing II is among the intermediate range nuclear missiles the U.S. and Soviet Union have agreed to eliminate under the Intermediate Nuclear Forces Treaty. Soviet inspectors will make their first visit to Redstone Arsenal in July or August as part of the on-site inspections agreed to in order to ensure compliance with the treaty.

Brig. Gen. Roland Lajoie, director of the On-Site Inspection Agency, briefed the reporters on his agency's plans to inspect 133 Soviet locations— including 126 facilities in the Soviet Union, six sites in East Germany and one site in Czechoslovakia. These "baseline" inspections to verify data will be conducted over a 60-day period, from July 1 to Aug. 31. They will be followed by inspections aimed at confirming elimination of the treaty-limited items, close-out in-

spection, short notice inspections, and creation of a "portal perimeter" to monitor production.

Some 850 missiles on the U.S. side and more than 1,800 on the Soviet side are to be eliminated along with their associated hardware. "This is a difficult and time-consuming process," Lajoie said.

Besides inspecting Soviet sites, OSIA will conduct escort operations for Soviet inspectors visiting the U.S. Redstone is among 26 inspectable sites in 21 geographical divisions.

"I think we've got our arms around this complicated INF procedure, and I have confidence we will discharge those responsibilities," Lajoie said.

Col. Nicholas Hurst, MICOM deputy commander and the commanding general's senior representative to the Soviets for the purposes of the treaty inspections

here, gave the reporters a brief history of Redstone and a description of the four locations the Soviets can visit on post. "The Soviets do not have free access to Redstone Arsenal," Hurst said. A viewgraph listing 39 treaty-limited Pershing II items included 11 launchers, 24 training missile sections (12 first stage and 12 second stage), three missile stages (two first stage and one second stage), and one missile cut-away (second stage). Hurst noted that the air force of the Federal Republic of Germany has used the Pershing 1A, and some of the German P1A items are here.

"We are prepared now (for the Soviet inspectors)," Hurst said in response to a reporter's question, "and we will be prepared for 13 years to accept them at any time."

ACS provides info on local services

Army Community Service offers an information referral service to help the quality of life on the arsenal.

The Information Referral program provides a centralized location for referral services, general information and follow-up services to the military community. The program, located in the ACS building, provides a comprehensive listing of post and civilian agencies and services.

"Our goal is to assist the Redstone community members in social and economic problems," said Frances Howard, social worker in charge of the program.

"For instance, a service member or family member will call and want to know where to get legal assistance. We would refer them to the legal office on post or, if they want, we can provide them with the (See ACS, cont'd on page 16)

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Workers' son pursues career as military officer

BY RUTH MECHAM

The son of two Army workers has followed in his parents' footsteps by going to work for the Army, but not as a civilian.

Dale Kuehl, son of Wilma and Alfred Kuehl, recently graduated from Military Academy at West Point and received a direct commission as a second lieutenant.

"The motto of the school is 'Duty, Honor, Country' and after four years at the academy I've developed a sense of patriotism I don't think I could have obtained at any other school," said Kuehl, a 1984 graduate of Grissom High School.

The military academy was founded in 1802. Graduates have served with distinction in all wars since 1812. The course of study is primarily military and scientific, although the elements of a liberal education are included. The school is designed to develop character, personal attributes and professional knowledge for future military leaders.

Cadet life

Upon selection to attend the academy, cadets spend their first six weeks—during the summer—in cadet basic training. This is often referred to as "beast barracks."

"It's kind of an introduction to the cadet life and the military life and it is rough," Kuehl said. "After the first four weeks you are given the opportunity to drop out and a lot do for various reasons; some decide it isn't what they thought it would be, some can't make it through the physical demands, and some can't deal with all the yelling. You spend the last week in the field, and it is the most fun. The best way to survive it is to treat it like a game, maintain a good attitude and establish friendships."

Freshmen attending the academy are referred to as plebes. Traditionally, the plebes have a few added responsibilities which include a special way of walking down a hall. "They are required to perform 'pinging' which is to walk with head straight front, arms to the side swinging back and forth, elbows straight and walking 120 steps per minute," Kuehl said, laughing.

"All plebes are required to read the front page of the *New York Times* every day and the sports section. Upperclassmen can stop you and you better be able to answer questions about events of the day. They are also required to deliver mail and laundry to upperclassmen."

Training

Academics in the first year at West Point were not that bad, according to Kuehl, whose grade point average at Grissom High was 3.6 on a 4.0 scale. "Grissom is a very good school and I think they did a good job in preparing me for college. I had a lot of the same courses I had at Grissom my first year (at West Point). It was an adjustment though; once I got familiar with the system it was easier. Most of the instructors were officers who had graduated from West



SHARING — The Kuehls enjoy time spent with their son, Dale, talking about life at West Point.

Point and they were always willing to help and there was a special bonding between all the classmates. Everyone helped everyone," he said.

During his four years at the academy, Kuehl said, he was exposed to all aspects of the Army. Each summer cadets received training at various locations. "My first summer was beast barracks; after that there was cadet field training at Camp Buckner and a week at Fort Knox.

"My third summer I got the opportunity to be a 'drill cadet' and have my own all female platoon. It was an experience and I must admit some of the females made real good troops," he said.

Jumping out of a plane at Fort Benning during Airborne school was a highlight. "It was better than drill cadet training with a platoon full of women," he said, laughing.

Air Assault school at Fort Campbell and the moving of equipment by helicopters along with rappelling were fun for the 22-year-old Kuehl. "Leaning out of a helicopter was a bit scary at first; and as I was leaning out, I thought, 'I hope the pilot holds this thing steady'. And that was pretty much the same thing everyone thought as they got to that point," he said.

Proud parents

His father, Alfred, recently joined the active sensors group of the Strategic Defense Command as an electrical engineer. Prior to this new job, he worked in ground support equipment for the Pershing Project Office. "Dale has always been a self-starter, very competitive, and basically a good son," Alfred said.

Wilma, Dale's mother, has worked at Redstone Arsenal for about 13 years. She is an inventory management specialist at the Missile Logistics Center. "We have always stressed independence and responsibility to our children," she said. "Our older son probably got more exposure with me going to school and working when he was young, and I guess it carried over to the other children."

Wilma and Alfred have three other children. "My little sister is really something," Dale said. "She plays in the (Grissom) band and is a member of a flag drill team but I think her best quality is her ability to play the piano."

The next five years are already planned for Kuehl. He will attend officers basic infantry training at Fort (See Son, cont'd on page 13)

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Secretary of defense blasts the new isolationists

BY JIM GARAMONE
American Forces Press Service

Defense Secretary Frank C. Carlucci blasted what he called a "new impulse toward isolationism" in a major speech to the Foreign Policy Association in New York City recently.

Carlucci defended the United States alliance structure. He said that while burdensharing — the allocation of roles, risks and responsibilities within alliances — is a legitimate issue, the United States should work within the alliances to bring about change rather than indicting those countries perceived as not doing their fair share.

The new isolationists, said the secretary, are taking their cue from ideas trumpeting the decline of America. "We are told that 'the American Century' has run its course; we are warned about 'imperial overstretch,'" he said. "Even self-professed realists are counseling us to reconsider our international obligations and prepare for a period of retrenchment."

In this, Carlucci sees a growing inclination toward isolationism — which he labeled a "thoroughly discredited doctrine." He said this trend manifests itself most in attacks against the alliance structure defending U.S. interests. The adherents of isolationism believe that America carries far more than its fair share of the burdens of the various alliances.

"These assumptions have taken on a new force as the United States enters a period of fiscal constraint," Carlucci said. "Calls for cutting back our contributions to our alliances — or punishing allies who fail to contribute more — are getting a hearing."

Carlucci said these calls are recommended as shock treatment to get allies to carry more of the defense burden. "But in any case, the isolationist impulse begins to show itself," Carlucci said. "There is a certain sentiment that whether the allies pick up the slack or not, we have had enough. We are ready to go our own way."

"They...fail to recognize the fact that the origins of our alliances are strategic — not philanthropic. We do not maintain alliances as a favor to our allies — we do so because it is in our interest."

Determining an equitable share of the defense burden, he noted, is not an easy task, since any such measurement would be open to interpretation. Still, he said, the allies continue to make substantial contributions to the common defense, "considerably more in fact, than they are given credit for."

But even with that, Carlucci said, there are allies who need to do more. "Even taking their contributions into account, many of our allies can and should do more — particularly those alliance members that by almost any measure fall far short of making a contribution commensurate with their economic strength," he said.

With all factors put in, the United States still outspends almost all allies in national defense, said Carlucci. But money is not the only important matter. "The willingness to provide base rights, to maintain a conscript army..., to stand in solidarity with the alliance in spite of political risk, all contribute to overall alliance security in ways that cannot be easily measured," he said.

He said the United States cannot ask allies to do more if it does less. "We too must maintain defenses adequate to the task," Carlucci said. "Fortunately — in spite of dire predictions — the levels of defense spending the United States needs will not bankrupt us. We must keep our perspective: Defense spending 1989 will consume 5.7 percent of our annual gross national product — only one-half of one percent more than at the beginning of our defense buildup under President Reagan."

In conclusion, Carlucci again spoke against isolationism and called for the political will to continue to field a strong collective alliance. "History demonstrates that the price of inadequate attention to national security is unacceptably high," he said. "The

same coalition strategy that has secured our interest for four decades remains central to our national security today...in spite of the inevitable changes in international circumstances. Now is no time to indulge a destructive desire to turn away from our international obligations and interests and seek refuge from our global responsibilities in some sort of isolationist haven."

Arguments cited for ratification

The following are quotations from *The Federalist Papers*, a series of articles written to convince people to support the ratification of the U.S. Constitution.

"Nothing is more certain than the indispensable necessity of Government, and it is equally undeniable, that whenever and however it is instituted, the people must cede to it some of their natural rights, in order to vest it with requisite powers." — John Jay (1787).

"It is of great importance in a republic not only to guard the society against the oppression of its rulers, but to guard one part of the society against the injustice of the other part. If men were angels, no government would be necessary." — James Madison (1788).

(Adapted from Bicentennial of the Constitution, an Army resource guide, 1988 supplement on the ratification.)



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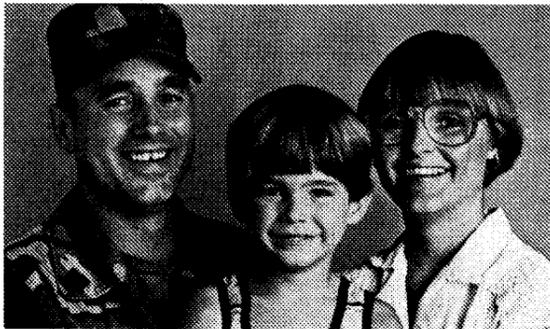
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Picnic

(Cont'd from page 1)

Dunking booth

This year's list of dunking booth participants includes the following: Col. Oleh Koropey, project manager of Non-Line of Sight; Maj. Bud Irish, acting chief of program support division, Army Unmanned Aerial Vehicle; James Bell, chief of test division, AUAV; Col. Thomas Kunhart, project manager of Army Tactical Missile System; Douglas Marcum, chief of special operations division, Intelligence and Security Directorate; Dr. Bruce Fowler, the deputy/technical director, Advanced Systems Concepts Office; Don Peterson, Advanced Systems Concepts Office; William Zecher, close combat team of Advanced Systems Concepts Office; Lt. Col. Ronald Sumera,

commander of Support Troops Battalion; Capt. Barbara Norris, commander of 291st MP Company; 1st Lt. Ollie Hall, commander of HHC MICOM; Jim Wasson, chief of logistics analysis and automation division, technical support office, Missile Logistics Center; Amy Sauro, acting chief of Tow/Thermal Imagery/Dragon branch, land combat maintenance engineering division, MLC; Lt. Col. James Link, acting director of MLC; Sgt. Robert Wallace, support equipment division, Maintenance Engineering Directorate; Watson Chaney, chief of land combat systems division, Material Management Directorate; Fred Milton, chief of short-range land combat branch, land combat systems division, Material Management Directorate; Larry Luke, supervisory program analyst, Resource Management Directorate; and Col. Thomas M. Brown, Pershing Project manager.

CWF softball

Here are the standings for the Civilian Welfare Fund softball league:

Team	Won	Lost
Stallions	12	2
Cougars	12	2
MISC-1	11	3
Lasers	10	4
Chieftains	10	5
Patriot	10	5
T&E	10	5
Noids	8	8
RADS	7	8
Thiokol	7	8
Pershing	6	8
PAD	6	9
SEPD	6	9
Aeroheads	4	10
Mercury	3	11
Corbett	2	12

T&E softball team takes second place

The T&E softball team took second place in the second annual Gene A. Clift Slow-Pitch Softball Tournament held June 3-4 at Brahan Springs Park.

T&E was led by outstanding defensive play from the Brandon brothers (David and Tommy) and the Watson brothers (Austin and Bobby). Tony Cook pitched all the team's games.

Leading T&E hitters included Ronnie Bailey, who had a grand slam; Donnie Smith, who slugged homers; David Brandon, who hit three triples and many singles; Bobby Bates, Bobby Alongi, Tommy Brandon, Jeff Dailey, Henry Jones, Steve Totheron and Cook, the pitcher, who each had many doubles and singles.



BLOOD PROGRAM — Barbara Elmore, blood drive coordinator in the Integrated Logistic Support office, holds the trophy that the ILS office received for having 58 percent participation in the Red Cross Blood Program for April. She did "an outstanding job in enlisting the ILS office staff's support for this lifesaving program," according to Millard Jernigan, chief of that office.

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P205/70-14	52.10	P205/70-14	58.45

BRIDGESTONE 212V Whitewall		SUPER STEEL BELTED RADIAL STRATTON RADIAL	
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P195/75-14	52.75	P215/75-15	59.25
P205/75-14	55.50	P225/75-15	61.10
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P185/80-13	42.75
P185/75-14	43.90
P195/75-14	45.10
P205/75-14	46.20
P215/75-14	47.35
P205/75-15	48.50
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Army aviation commander looking to update fleet

BY SKIP VAUGHN

The quality of soldiers entering Army aviation is "super" and steps are being taken to modernize the aircraft, according to the commander of Army aviation.

"I could not be happier with the quality of the people," said Maj. Gen. Ellis Parker, commander of the Army Aviation Center at Fort Rucker, Ala. He addressed a June 8 luncheon meeting of the Tennessee Valley Chapter of the Army Aviation Association of America.

Parker gave an aviation branch overview which included a brief discussion of the people, training, doctrine, and hardware. He recalled that the branch, which was spread among various other Army branches, began in April 1983. It inherited 62 pieces of doctrine that dated back to the early 1950s. "That was not all bad because we had some aircraft that were built at that particular time," he said. "We had a monumental task facing us on doctrine, and had the same on training."

The people portion of the branch's long-range modernization plan has produced results, according to Parker. So many quality recruits are coming from such sources as ROTC, Officers Candidate School, and the U.S. Military Academy that "we screen out about two-thirds of the applicants," he said. "We're taking the cream, the top third that we want."

Steps had to be taken to bring the skill level of the mid-range sergeants up so they could better teach the newcomers, Parker said.

The doctrine, the Army aviation commander said, has been fine-tuned to the point that "our doctrine's in better shape than (that of) any other branch of the Army right now."

Training has been changed since May to a "multi-track training program," according to Parker. Roughly half is by a contractor and the other half by military instructor. "The only cost is the first two years of execution," Parker said, adding that the cost after that is cheaper than the previous method.

"Average age of our 8,500 aircraft is 13.9 years old," Parker said. A modernization plan has been approved to update the fleet. "I could not be happier with the hardware plan," he told the approximately 80 attendees.

Parker and Gar Crask of Boeing, president of the local AAAA chapter, presented a scholarship certificate to Julie Conrad of Huntsville. The daughter of Blair and Nancy Conrad, she is among 23 recipients nationally of Army Aviation Association of America scholarships based on merit. Julie, who graduated from Grissom High School the night before the chapter luncheon, plans to attend Auburn University.



PRESENTATION — Parker presents AAAA scholarship certificate to Julie Conrad.

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Soviet military power shows continuing advances

BY JIM GARAMONE

American Forces Press Service

Actions speak louder than words, and the Soviet Union's actions do not mean a change in its defense philosophy, according to the seventh edition of *Soviet Military Power*. The publication was released by the Defense Department April 29.

Defense Secretary Frank C. Carlucci introduced the book at a press conference. He said that the posture, deployment and the capabilities of Soviet forces do not indicate any change in their designs, no matter what officials in the Kremlin say.

Soviet Military Power, he said, is a serious effort to share an assessment of Soviet military power and the threat it poses to the Free World's collective security.

The Soviets are dedicating between 15 and 17 percent of their gross national product to the military, said the secretary, and there is no sign of that slowing down. Carlucci specifically pointed to the Soviet passive defense program, an enormously expensive undertaking in an already strapped economy.

The facilities for the program are being built hundreds of meters deep and are connected by subways. To have something comparable, Carlucci said, the United States would have to build deep facilities for every governor, mayor, cabinet official and the whole U.S. command structure.

The report says that these facilities can accommodate thousands of people. Carlucci said that there can be only one use of them — to allow the Soviet leadership to fight a protracted nuclear conflict. "These shelters contradict in steel and concrete Soviet protestations that they share President Reagan's view that nuclear war can never be won and must never be fought," he said. "These facilities reveal they are preparing themselves for just the opposite."

The Soviets are showing advances across the spectrum of military capabilities. In addition to its passive defense policy, the USSR has fielded an air-launched cruise missile, a new sea-launched cruise missile sub-

marine and two mobile ICBMs since 1981. In addition, they will field the Blackjack intercontinental bomber this year and are working on improvements to six missiles.

Soviet Military Power also assesses military balances in regions throughout the world. Said Carlucci, "The Warsaw Pact enjoys significant advantages in virtually every category. While the trends in air forces are not as unfavorable as those comprising the ground balance, they still reflect a formidable Warsaw Pact capability that poses a serious threat to NATO. Due to this administration's efforts to rebuild our Navy, we enjoy significant advantages in the maritime balance, especially when our allies are included in the assessment."

The military balance in the Middle East and Southwest Asia is also of extreme importance to the Soviet Union and the United States. If a global war started in Europe, few U.S. and NATO forces could be spared for the region. The oil there would be of strategic importance if the Soviet's failed to reach objectives elsewhere quickly. They would then be tempted to invade Turkey and Iran to gain oil for themselves and to deny it to NATO. U.S. and Soviet capabilities provide each side with advantages and disadvantages in the region, says *Soviet Military Power*. Local military capabilities will be extremely important in determining the outcome of a conflict there.

The immense size of the East Asia and Pacific area makes it primarily a naval and air theater in case of war. Soviet capabilities in the area have grown, and Cam Ranh Bay in Vietnam is now the largest Soviet base outside the USSR.

American capabilities in the Far East hinge on bases in Japan, South Korea and the Philippines. The United States is in a good position to deal with any threat to sea lines of communication in the Pacific. However, the qualitative aspect again enters the pic-

ture, and the United States must continue to invest in upgrading anti-submarine technologies.

How technology will offset future military competition is also addressed. Carlucci said, "The Soviet are using a variety of legal and illegal means to acquire Western technology to redress what they consider to be their most serious shortfalls in the military balance."

The United States and its allies maintain the technological lead; however, the Soviet Union is narrowing the gap and will continue to do so unless the United States maintains strong safeguards against the USSR's sophisticated efforts to acquire technology.

Carlucci spoke about the new style of leadership under General Secretary Mikhail Gorbachev and perils for the United States. "Rhetoric alone should not allow us to change our policies," he said. "Our policies should only change when we can produce a book like this some year that shows Soviet production of tanks has gone down; that the Soviet forward airborne systems have been drawn back; that all kinds of indicators that demonstrate offensive capability have changed. When those have changed, then we can draw the conclusion that Gorbachev's policies have had a result. But so far, we see no sign of that."

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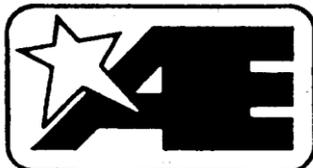
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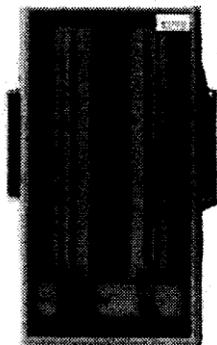


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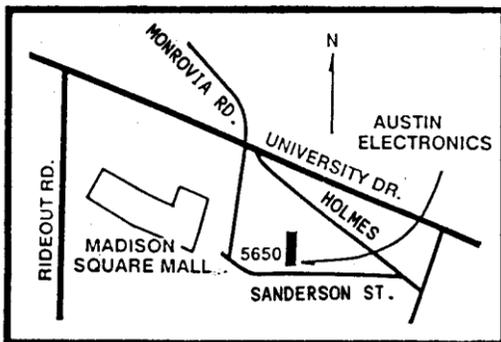
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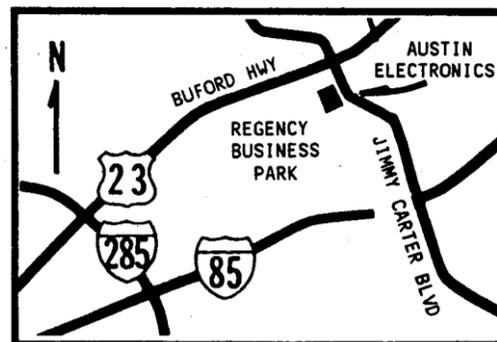
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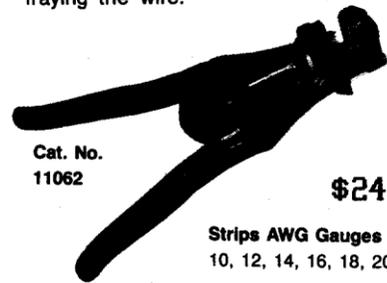
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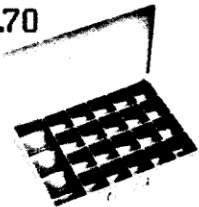
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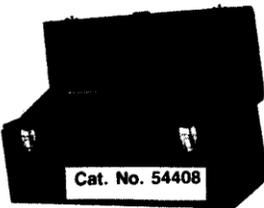


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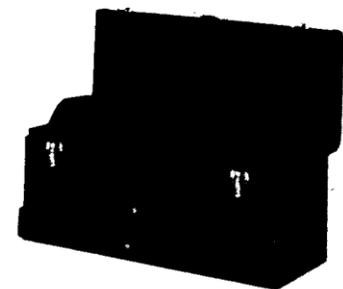
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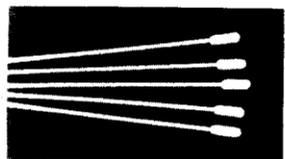
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PRODUCTS AT AUSTIN ELECTRONICS

1704 ANTI-STATIC ZERO CHARGE FLEXIBLE TIP FOAM SWABS™
DESCRIPTION: Flexible tip, thin head for cleaning smaller narrow crevices. 100% lint free, anti-static, flexible shaft, high absorbency, non-abrasive, non-contaminating swab. Highly resistant to chemicals. Removes liquid and solid contamination from difficult areas.
AVAILABILITY:
1704-10 — 10 Swabs 10 PCS...3.25
1704-50 — 50 Swabs 50 PCS...9.25
1704-B — 1000 Swabs 1000 PCS...111.65



HUNTSVILLE
205-837-8999
ATLANTA
404-449-8697

1644 FLUX STRIPPER S™

DESCRIPTION: Heavy duty defluxer for solvent soluble and synthetically activated fluxes. Removes organic contaminants (silicone, grease, varnishes, oils, waxes, rosin solder flux, some conformal coatings). Not for water soluble fluxes.
SAFETY DATA: Vapor concentrates in low, unventilated spaces. May craze polystyrene.
USE DATA: Excellent wetting characteristics. Not harmful to nylon, teflon, or polyethylene or to insulation materials.

16 OZ...4.75
24 OZ...6.05



1657 BLUE SHOWER™

DESCRIPTION: Proprietary azeotropic blend of inert fluorocarbon solvents. Faster, more complete cleaning of contacts than straight FREON TF. Safe on sensitive components. May be used on equipment while operating. Excellent wetting and penetration, leaves no residue.

USE DATA: Active on both ionic (polar, inorganic) and non-ionic (non-polar, organic) and particulate contaminants. For electronic, medical, missile equipment and on photographic film materials. Strong enough for use on electrical and electromechanical devices.

12 OZ...4.05
24 OZ...5.55



MILITARY SPECIFICATIONS OR MATERIAL SAFETY DATA SHEETS ARE AVAILABLE ON ALL CHEMICALS SOLD AT AUSTIN ELECTRONICS

1668 PRECISION DUSTER™

DESCRIPTION: Pressurized Dusting Gas. Removes microscopic lint, dirt, ferrous oxide and other particulates by blowing a thin jet of inert gas. Useful when cleaning delicate components and instruments where residual fluid entrapment could pose a problem.
USE DATA: Use on optical equipment as well as on all electronics equipment and precision mechanical parts. Totally safe on plastics. Adjustable rate valve provided. Non-conductive. Can cause very brief frequency drift.

15 OZ...4.05



1669 minus 62 INSTANT CHILLER™

DESCRIPTION: For use in tracking down thermal intermittents, detects cracks in printed circuit boards, prevents cold solder joints. Protects heat sensitive components. Cools components during mounting to prevent heat damage. Mating and demating metal parts. Shrink-chills inside part to permit insertion or removal. Speeds solidification of solder joints to stop movement during molten state. Supplied with variable rate sprayhead.

15 OZ...3.10
30 OZ...5.60



SOLVE YOUR INSULATION DISPLACEMENT ASSEMBLY PROBLEMS WITH THESE NEW PRODUCTS FROM



Model 505—IDC Bench Assembly Press with assembly base and standard platen

\$139.95

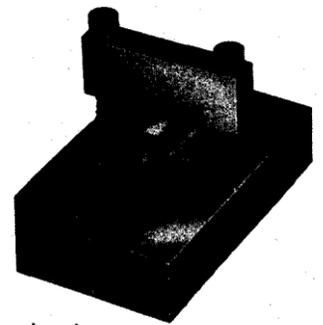


Model 506—Retrofit kit for PanaVise Arbor Press (Models 501 and 502) includes assembly base, standard platen and modified ram (not shown)

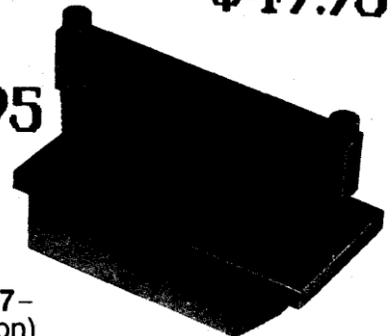
\$79.95

Model 508—Strip Header (IDC) Cutter allows clean cuts for desired header lengths (fits assembly base)

\$49.95



\$54.95



Model 507—Flat (Ribbon) Cable Cutter for consistent right angle cuts up to 64-conductor cable (fits assembly base)

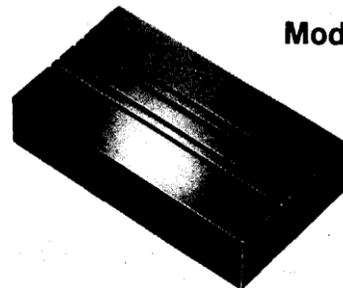
IDC BENCH ASSEMBLY PRESS AND ACCESSORIES

SUPERIOR DESIGN FEATURES

- Manufactured in the rugged PanaVise tradition
- Includes assembly base and standard platen
- Full series of base plates accommodate a broad range of IDC connectors
- Base plate and platen can be rotated 90 degrees for maximum versatility
- Base plates and cutting accessories are quickly and easily changed without any tools required
- Cable guide insures that cable and connector meet at critical right angles for perfect connections—every time

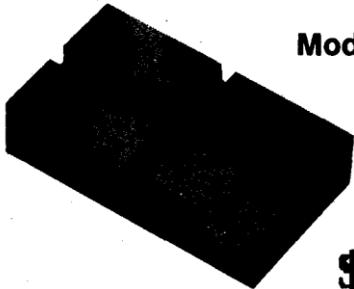
Model 512—Base Plate for installing all standard DIP Plugs

\$24.95



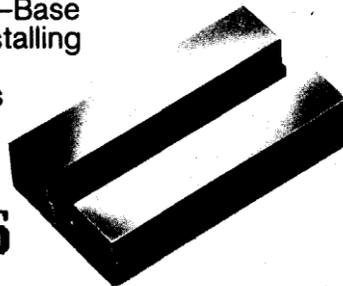
Model 510—Base Plate for installing Female Socket Transition Connectors

\$24.95



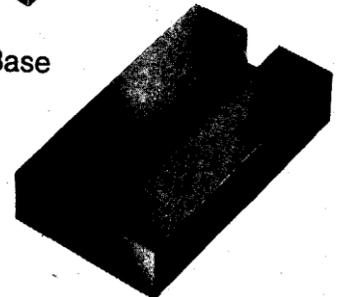
Model 513—Base Plate for installing D-Sub Connectors

\$24.95



Model 511—Base Plate for installing Card Edge Connectors

\$24.95



IDS SOCKETS

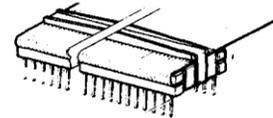
PART #	1-49	50-99	100 +
IDS-10	.65	.56	.49
IDS-14	.74	.64	.56
IDS-16	.88	.75	.66
IDS-20	.93	.79	.70
IDS-26	1.21	1.03	.91
IDS-34	1.58	1.35	1.05
IDS-40	1.95	1.67	1.46
IDS-50	2.32	1.99	1.74
IDS-60	2.78	2.39	2.09

IDE CARDEGE

PART #	1-49	50-99	100 +
IDE-20	1.48	1.27	.98
IDE-26	1.67	1.43	1.25
IDE-34	2.04	1.75	1.45
IDE-40	2.60	2.23	1.95
IDE-50	2.97	2.54	2.23

DIP PLUGS

PART #	1-49	50-99	100 +
IDD-14	.85	.77	.71
IDD-16	.95	.86	.79
IDD-24	1.65	1.50	1.38
IDD-40	3.75	3.50	3.10



IDH HEADER

PART #	1-49	50-99	100 +
IDH-20	4.95	4.50	3.95
IDH-34	5.95	5.50	4.95



RIBBON CABLE

# COND.	PER FT.	100 FT
10	.30	18.00
16	.40	27.45
20	.55	33.75
25	.65	43.50
26	.65	43.50
34	.90	57.45
36	.95	61.20
40	1.05	67.50
50	1.30	83.70
60	1.40	99.90

ID57 SERIES

PART #	1-49	50-99	100 +
ID57-24P	5.00	4.62	4.29
ID57-24S	5.50	5.08	4.71
ID57-36P	3.95	3.25	2.70
ID57-36S	5.50	5.00	4.58
ID57-50P	7.52	6.94	6.44
ID57-50S	8.03	7.42	6.89

RIBBON CABLE CONNECTORS

CALL AUSTIN ELECTRONICS FOR ALL YOUR INSULATION DISPLACEMENT NEEDS!



HUNTSVILLE

5650-S SANDERSON ST
HUNTSVILLE, ALABAMA 35806

205-837-8999



ATLANTA

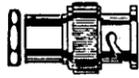
6290 JIMMY CARTER BLVD
NORCROSS, GEORGIA 30071

404-449-8697

BNC CONNECTORS & CRIMP TOOLS

BNC MALE SOLDER

PART #	DESCRIPTION	1-49	50-99	100 +
9021	RG-58	1.80	1.50	1.30
9020	RG 59 & 62	1.80	1.50	1.30



BNC MALE 2 PC. CRIMP

PART #	DESCRIPTION	1-49	50-99	100 +
9001	RG-58	2.00	1.70	1.45
9000	RG-59 & 62	2.00	1.70	1.45
9009	59/62 TEFLON	2.20	1.85	1.60



BNC MALE 3 PC. CRIMP

PART #	DESCRIPTION	1-49	50-99	100 +
9101	RG-58	1.70	1.45	1.25
9100	RG-59 & 62	1.70	1.45	1.25
9103	59/62 TEFLON	2.10	1.75	1.50



BNC MALE TWIST-ON

PART #	DESCRIPTION	1-49	50-99	100 +
9051	RG-58	2.00	1.70	1.45
9050	RG-59 & 62	2.00	1.70	1.45
9054	59/62 TEFLON	2.40	2.00	1.75



BNC FEMALE 2 PC. CRIMP

PART #	DESCRIPTION	1-49	50-99	100 +
9014	RG-58	2.20	1.85	1.60
9003	RG-59 & 62	2.20	1.85	1.60
9015	59/62 TEFLON	2.20	1.85	1.60



BNC FEMALE TWIST-ON

PART #	DESCRIPTION	1-49	50-99	100 +
9031	RG-58	2.40	2.00	1.75
9053	RG-59 & 62	2.40	2.00	1.75
9033	59/62 TEFLON	3.20	2.70	2.30



BNC TERMINATORS

PART #	DESCRIPTION	1-49	50-99	100 +
9008	50 OHM	3.20	2.70	2.30
9007	75 OHM	3.20	2.70	2.30
9093	93 OHM	3.20	2.70	2.30



BNC SPLICES AND MOUNTS

PART #	DESCRIPTION	1-49	50-99	100 +
7430	FEMALE SPLICE	2.00	1.70	1.45
8130	MALE SPLICE	2.60	2.20	1.90
8470	F/F FEEDTHRU	4.00	3.35	2.90
8460	BULKHEAD FEM	1.20	1.00	.90
8461	INSULATED FEM	3.20	2.70	2.30



7430
BNC Inline Splice

8130



BNC to BNC
Male Male



1/2" Dia. Dual Chassis Mount

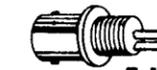
8460



3/8" Diameter

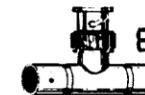
BNC "T" ADAPTORS

PART #	DESCRIPTION	1-49	50-99	100 +
8140	1 MALE 2 FEM	3.95	3.45	3.00
8141	ALL FEMALE	4.40	3.70	3.15
8142	ALL MALE	7.00	5.85	5.00



3/8" Diameter
Insulated Chassis Mount

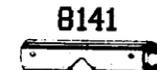
8461



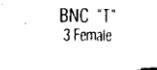
BNC "T"
2 Female - 1 Male

BNC ADAPTORS

PART #	DESCRIPTION	1-49	50-99	100 +
7510	BNC-M/RCA-F	1.80	1.50	1.30
8110	BNC-F/RCA-M	2.20	1.85	1.60
8100	BNC-F/'F'-M	2.20	1.85	1.60
7500	BNC-M/'F'-F	1.80	1.50	1.30
8017	BNC-M/'N'-F	6.40	5.35	4.60
8016	BNC-F/'N'-M	6.40	5.35	4.60
8120	BNC-F/UHF-M	2.60	2.20	1.90
7530	'F'-F/RCA-M	.90	.75	.65



BNC "T"
3 Female



RCA to BNC
Female Male



BNC "T"
3 Male



8110
BNC to RCA
Female Male



8100
BNC to F
Female Male



7500
F to BNC
Female Male



8017
BNC to N
Male to Female



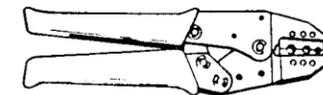
8016
BNC to N
Female to Male



8120
BNC to UHF
Female Male



7530



Heavy Duty Hardened Steel
Removable Jaws
Production Line Quality

CRIMPERS

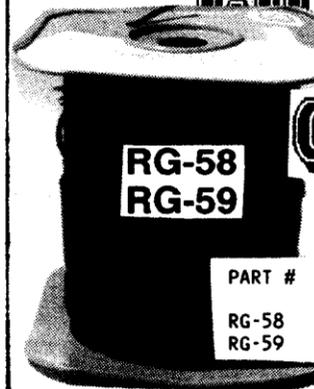
RATCHET ACTION
CRIMPS 2 PC. & 3 PC. BNC CONN

\$42.95

#8658 FOR RG-58

#8659 FOR RG-59

COAXIAL



CABLE

RG-58
RG-59

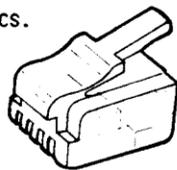
PART #	PER/ FT.	100'	1000'
RG-58	.20	15.00	95.00
RG-59	.15	12.00	72.00

CALL US FOR ALL YOUR COAX CONNECTOR NEEDS SUCH AS: TWIN-AX, TYPE N, & UHF.

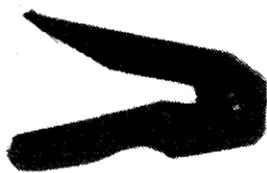
MODULAR CONNECTORS CABLE & CRIMP TOOLS

Modular Plugs

PART #	DESCRIPTION	EA.	100 PCS.
TP4H	4 POS HANDSET	.25	15.95
TP4	6 POS 4 CONTACT	.25	15.95
TP6	6 POS 6 CONTACT	.30	17.95
TP8	8 POS 8 CONTACT	.40	27.95



PALADIN CORPORATION



\$29.95

FLAT MODULAR WIRE

PART #	DESCRIPTION	PER FT.	100'	1000'
TW4	4 COND	.10	6.95	49.95
TW6	6 COND	.15	8.95	64.95
TW8	8 COND	.20	12.95	99.95

PA 1502 MODULAR PLUG TERMINATION TOOL
Designed for all 2, 4 and 6 position RJ-11 modular plug connectors • built-in ratchet • crimps primary and secondary relief points simultaneously • effective for creating line cords, any length, any configuration, anywhere • unbreakable, fiberglass-reinforced nylon body • self-lubricating pivot pin • strong, lightweight, built-to-last • easy-to-grip ergonomic design • zinc alloy ground dies • self-bottoming • will not overcrimp

PA 1505 HANDSET MODULAR PLUG TERMINATION TOOL
Ideal for fast, precise cord termination for 2 and 4 position Handset modular plugs • built-in ratchet • self-bottoming dies • unbreakable lightweight, fiberglass-reinforced nylon

COAX STRIPPERS

EASY TO USE!

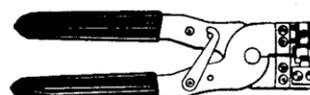
6 TWIRLS AND IT'S STRIPPED!

UNIQUE BLADE DESIGN
ALLOWS 1, 2 OR 3 LEVEL STRIPPING WITH A SIMPLE MOTION OF THE HAND.



PA 1225	RG-58	\$24.95
PA 1226	RG-59	\$24.95
PA 1227	RG-62	\$24.95

For 4 and 6 Conductor Modular Plugs



\$15.90

MODULAR CRIMPING TOOLS

For 8 Conductor Modular Plugs



\$21.90

• Strips the Wire • Crimps the wire into the plug
ONE TOOL DOES IT ALL



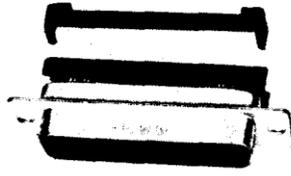
AUSTIN ELECTRONICS

ELECTRONIC SUPPLIES

ATLANTA
404-449-8697

HUNTSVILLE
205-837-8999

D-SERIES CONNECTORS



Part#	Solder Cup		
	1-49	50-99	100-499
DE9P	.75	.56	.45
DE9S	.80	.60	.48
DA15P	1.03	.78	.62
DA15S	1.10	.83	.66
DB25P	1.10	.83	.66
DB25S	1.20	.97	.78
DC37P	2.14	1.61	1.28
DC37S	2.41	1.81	1.45
DD50P	2.62	2.38	2.18
DD50S	3.70	3.36	3.08

CALL US FOR ALL YOUR CONNECTOR NEEDS!

Part#	Ribbon Cable		
	1-49	50-99	100-499
IDC9P	2.35	2.17	2.01
IDC9S	2.53	2.34	2.17
IDC15P	3.10	2.86	2.66
IDC15S	3.25	3.00	2.79
IDC25P	3.73	3.09	2.62
IDC25S	3.73	3.09	2.62
IDC37P	4.75	4.38	4.07
IDC37S	5.63	5.20	4.83

Part#	Crimp Shell		
	1-49	50-99	100-499
C9P	.70	.46	.32
C9S	.70	.48	.34
C15P	.73	.52	.36
C15S	.73	.53	.37
C25P	.75	.54	.38
C25S	.75	.57	.40
C37P	.96	.87	.80
C37S	1.00	.91	.83
C50P	1.12	1.02	.93
C50S	1.14	1.04	.95

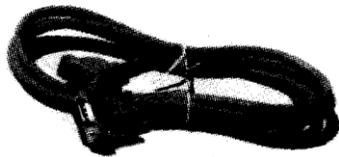
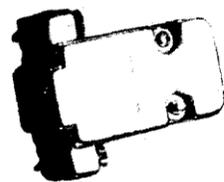
Part#	Grey Hoods		
	1-49	50-99	100-499
GH9	.68	.47	.42
GH15	.80	.56	.50
GH25	.85	.64	.58
GH37	1.06	.96	.88
GH50	1.10	1.00	.92

Qty.	Crimp Pins		
	25	100	1000
Male	2.00	4.30	38.00
Female	2.50	5.40	48.00



Qty.	Locking Hardware		
	1-49	50-99	100-499
Male	.55	.36	.30
Male-Screws for hoods			
Female	.75	.56	.46
Female-Hex standoffs			
Above prices are per pair.			

Part#	Chrome Hoods		
	1-49	50-99	100-499
SH9	.75	.64	.56
SH15	.86	.65	.57
SH25	1.04	.91	.81
SH37	1.72	1.56	1.43



CABLES, CABLES, CABLES!

IBM PRINTER CABLES

DB25P TO 36 PIN M CENTRONICS
6 FT. 6.95
10 FT. 12.95
25 FT. 32.95

RS232 CABLES

ALL 25 PINS WIRED
F-F, M-F OR M-M
6 FT. 12.95
10 FT. 14.95

KEYBOARD EXTENSION

6 FT. COILED 6.95
10 FT. STRAIGHT 5.95

DRIVE CABLES

FOR PC/XT
HARD DRIVE - FOR 1 DRIVE 5.95
FLOPPY - FOR 2 DRIVES 5.95
EXTERNAL FLOPPY
FOR 4 DR. CONTROLLER 12.95
MULTI I/O TYPE DRIVE CABLE
FOR 2 FLOPPY DRIVES 5.95

AT MODEM CABLE

CONVERTS 9 PIN SERIAL TO
25 PIN SERIAL
DE9S-DB25P
6 FT. 7.95

CENTR - CENTR

ALL 36 PINS WIRED
M-M OR M-F
6 FT. 13.95
10 FT. 15.95

MONITOR EXTENSION

FOR TTL MONITORS-ALL 9 PINS WIRED
9P-9S 6 FT. 9.95

MISC. CABLES

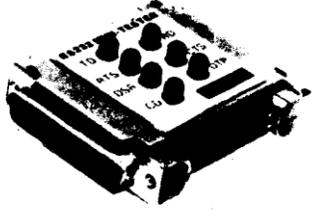
POWER "Y" SPLITTER FOR DRIVES 4.50
AC ADAPTER FOR MONITORS TO
FIT IBM POWER SUPPLY 3.95
AC POWER CABLE FOR COMPUTER
EQUIPMENT - 10' LENGTH 2.50

MODULAR ADAPTORS



ALLOWS YOU TO USE MODULAR TELEPHONE CONNECTORS AND FLAT SILVER SATIN WIRE TO MAKE SERIAL CABLES! SIMPLE, SIMPLE, SIMPLE!!!

PART #	DESCRIPTION	1-49	50-99	100 +
6MA9P	6 POS TO 9 PIN MALE	3.95	3.50	3.00
6MA9S	6 POS TO 9 PIN FEM.	3.95	3.50	3.00
6MA25P	6 POS TO 25 PIN MALE	3.95	3.50	3.00
6MA25S	6 POS TO 25 PIN FEM.	3.95	3.50	3.00
8MA9P	8 POS TO 9 PIN MALE	4.50	4.00	3.50
8MA9S	8 POS TO 9 PIN FEM.	4.50	4.00	3.50
8MA25P	8 POS TO 25 PIN MALE	4.50	4.00	3.50
8MA25S	8 POS TO 25 PIN FEM.	4.50	4.00	3.50



GENDER CHANGERS & PROBLEM SOLVERS

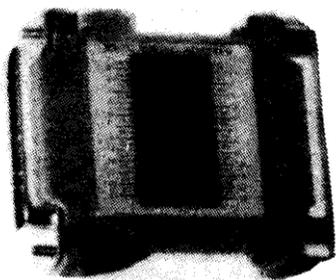
GENDER CHANGERS	PART #	PRICE
9 PIN MALE-MALE	#GC9MM	5.95
9 PIN FEM-FEM	#GC9FF	5.95
25 PIN MALE-MALE	#GC25MM	5.95
25 PIN FEM-FEM	#GC25FF	5.95
36 PIN CENTRONICS MALE-MALE	#GC36MM	12.95
36 PIN CENTRONICS FEM-FEM	#GC36FF	12.95

25 PIN JUMPER BOXES	PART #	PRICE
MALE-MALE	#JB25MM	7.95
FEMALE-FEMALE	#JB25FF	7.95
MALE-FEMALE	#JB25MF	7.95

25 PIN RS-232 DEVICES	PART #	PRICE
NULL MODEM	#NM25MF	6.95
SURGE PROTECTOR	#SP25MF	9.95
MINI-TESTER...DISPLAYS: TD, RD, RTS, CTS, DSR, DTR & CD	#MT25MF	12.95

AT MODEM ADAPTORS	PART #	PRICE
25 PIN MALE TO 9 PIN FEM	#25M-9F	10.95
25 PIN FEM TO 9 PIN MALE	#25F-9M	10.95

CENTRONICS 36 MALE TO 25 FEM	PART #	PRICE
	#25F36M	15.00



RS-232 MINI BREAKOUT BOX

ALLOWS CONNECTION OF PINS 2 THROUGH 25 THROUGH THE USE OF JUMPER WIRES. NO SOLDERING REQUIRED! MAKES THE PERFECT PATCH BOX !!

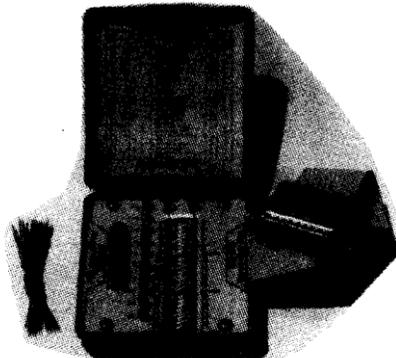
#BOB-2 ONLY: \$24.95

DATATRAN DATATRACKER

DT-4 \$239.95

The DATATRACKER is not just another break-out box; it stands in a class all its own. Its ease of use in trouble-shooting is unparalleled in the industry. Its uncomplicated layout is quickly mastered by novice or part-time technicians. Its unique, total monitoring capability has become a "welcome relief" to professionals. The DATATRACKER has defined an entirely new class of test equipment. Finally, the "unknown" has been eliminated from RS-232!

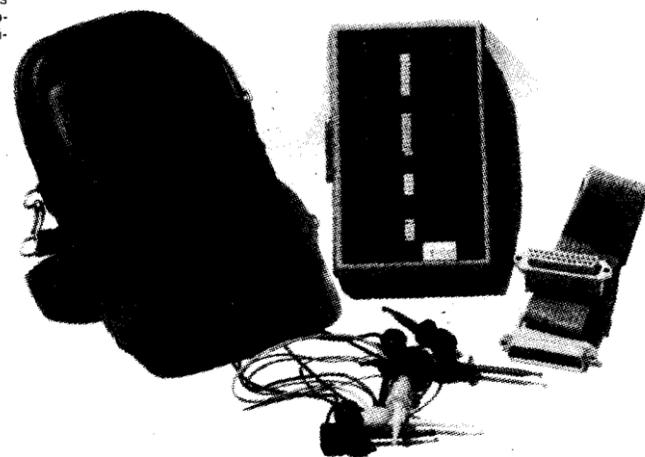
- SPECIFICATIONS:
- 100 LEDs (50 Red and 50 Green)
 - High +3V to +25V (Red)
 - Low -3V to -25V (Green)
 - Off +3V to -3V (Both LEDs Off)
 - Passive Design (2mA LED @ 12V)
 - 54 Turret Top Test Points
 - 30 Miniature Slide Switches
 - 2 D-type 25 Pin Connectors
 - 1 Male and 1 Female
 - 1 Internal 9-volt Battery
 - 9 Ounces; 5 1/4" x 3 1/2" x 1 1/2"



RS-232 BREAKOUT BOX

24 SWITCHES ALLOWS BREAKING OF LINES 2-25 AND PATCHING WITH JUMPERS. INCLUDES 10 SIGNAL POWERED LED'S TO MONITOR LINES 2-6, 8, 15, 17, 20 & 24. LID HAS AN RS-232 STANDARD SIGNAL CHART, TOO!

#BOB-1 \$44.95

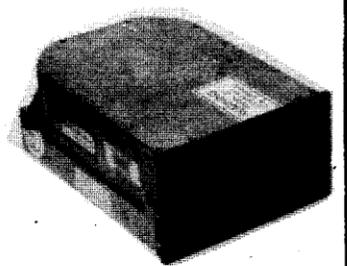
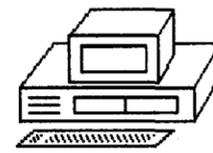
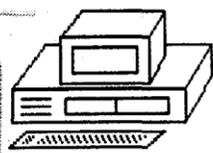


--BREAKOUT BOXES--

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PC-XT COMPATIBLE COMPONENTS AND ADD-IN CARDS

AUSTIN ELECTRONICS
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HUNTSVILLE 205-837-8999

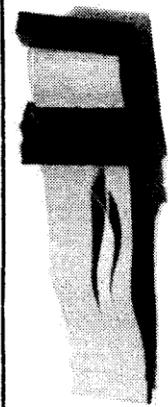


Seagate

Hard Drives

KEYBOARDS

PC/XT Compatible



MOTHERBOARDS:

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AT I/O card-1 parallel & 1 serial..... \$65.00

Parallel printer card-LPT1 or LPT2..... \$22.50

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XT Hard/Floppy Controller..controls 2 floppies and 2 hard drives..... \$89.95

XT Hard Drive Controller Card..... \$69.95

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XT Case--Flip-Top..... \$39.95

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DSDD 720K 3.5" Floppy Drive ... fits 5.25" mounting..... \$119.95

1.2 MEG 5.25" Drive..... \$129.95

20 MEG Hard drive Seagate 225 w/Controller..... \$339.00

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NEC

MODEMS

Samsung

MONITORS

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COMPUTER ACCESSORIES

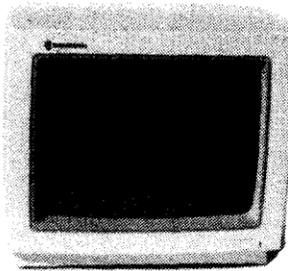


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PLASTIC COVERS

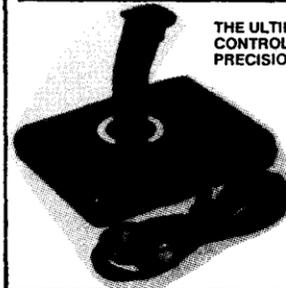
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KEYBOARD \$2.50
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SHARP RESOLUTION DISPLAY
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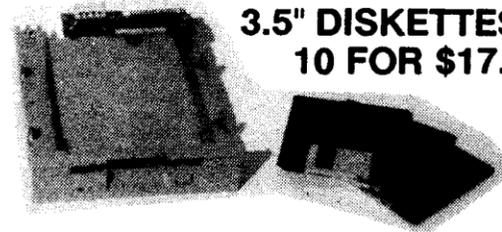
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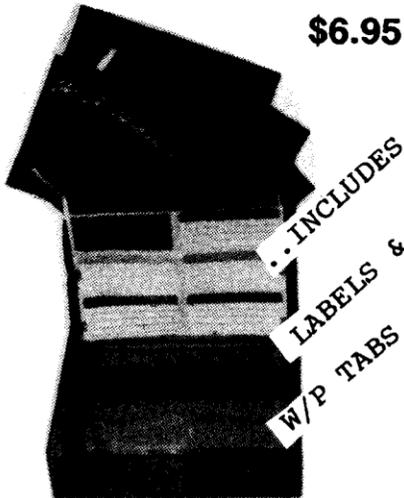
WITH TIMER.....\$79.95

WITHOUT TIMER.....\$59.95

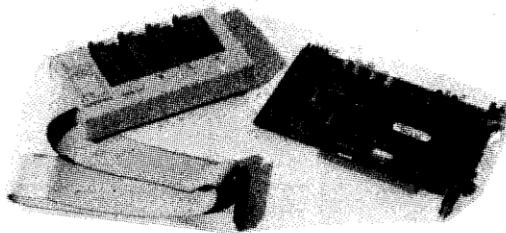
ERASES 9 EPROMS AT ONCE!

10 DSDD DISKETTES IN PLASTIC HOLDER...

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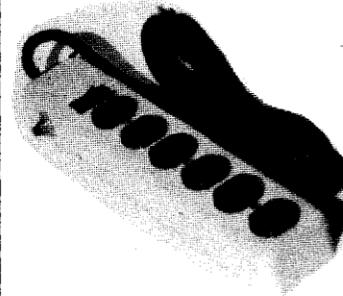


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- * SOFTWARE INCLUDED
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AND POWER SURGES....

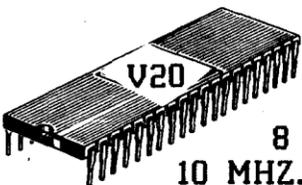
IF IT'S ELECTRONIC
AND IT'S GOT A PLUG,
PROTECT IT WITH THIS!



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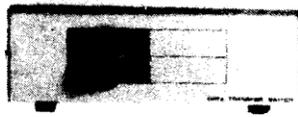
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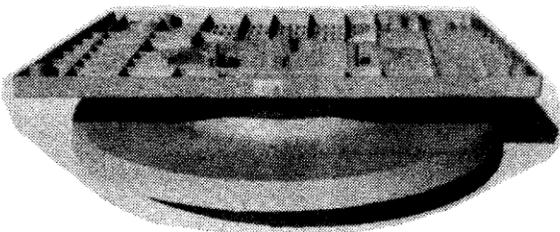
PART #	DESCRIPTION	PRICE
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AD25	25 LINE 4 POS	\$39.95
AE25	25 LINE 5 POS	\$49.95
25X2	25 LINE CROSSOVER	\$49.95

36 PIN FEM CONN.

PART #	DESCRIPTION	PRICE
AB36	36 LINE 2 POS	\$34.95
AD36	36 LINE 4 POS	\$44.95
AE36	36 LINE 5 POS	\$59.95
36X2	36 LINE CROSSOVER	\$59.95

9 PIN FEM CONN.

PART #	DESCRIPTION	PRICE
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AD9	9 LINE 4 POS	\$39.95



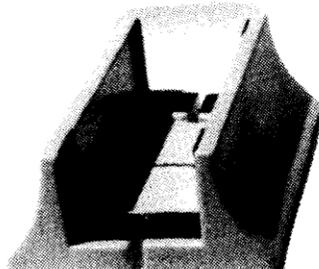
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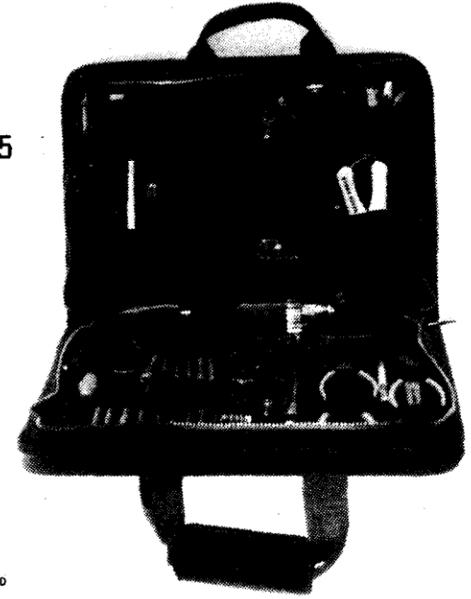


---TOOL KITS---

ATK-1

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\$270⁹⁵



PC TOOL KIT 2

FOR MICRO AND MINICOMPUTERS

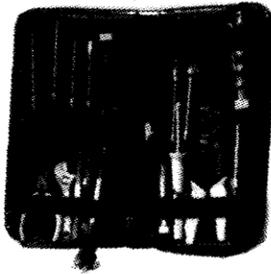
#425

The ToolKit 2 contains twenty high quality demagnetized tools, individually secured by elastic loops inside a handsome, padded black vinyl zipper case. The ToolKit 2 will handle almost any maintenance, installation or modification job on your micro or minicomputer, printer, or other peripheral.

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- needlenose pliers
- 4" adjustable wrench
- 1/8" flat screwdriver
- 3/16" flat screwdriver
- 1/4" flat screwdriver
- 1/2" phillips screwdriver
- 3/16" phillips screwdriver
- 1/4" phillips screwdriver
- 3/16" nut driver
- 1/4" nut driver
- Reversible T-10/T-15 torx driver
- Tweezer/pincher
- clamping tweezer (hemostat)
- 3 prong parts retriever
- IC inserter
- IC extractor
- Spare parts tube
- Black vinyl zipper case



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- ALLIGATOR TEST LEAD SET
- REGULAR & JUNIOR HANDLES
- SLOTTED SCREWDRIVER BLADES
- 1/8", 1/4", 3/16"
- PHILLIPS SCREWDRIVER BLADES
- #0, #1, #2
- WIDRIVER BLADES
- 3/16", 7/32", 1/4", 9/32",
- 5/16", 11/32", 3/8", 7/16"
- EXTENSIONS 4" & 7"
- SLOTTED SCREWDRIVER 1/8" X 2"
- SLOTTED SCREWDRIVER 3/32" X 3"
- PHILLIPS SCREWDRIVER #0 X 2"
- PHILLIPS SCREWDRIVER #0 X 2 3/8"
- 2 IN 1 STUBBY SCREWDRIVER
- TORX DRIVER T15
- TORX FOLDING KEY SET
- HEX FOLDING KEY SET
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- .031 60/40 SOLDER
- SOLDER AID TOOL
- PENLIGHT
- IC EXTRACTION TOOL
- 4" LONG NOSE PLIERS
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- 4" DIAGONAL CUTTERS
- 4" FLUSH CUTTERS
- WIRE CUTTER & STRIPPER
- ADJUSTABLE WIRE STRIPPER
- 4.75" SHARP POINT TWEEZER
- 6.875" CURVED TWEEZER
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ITEMS SHOWN ARE A SUGGESTED COMPLEMENT OF TOOLS ONLY AND MAY BE SUBSTITUTED AS DESIRED. WE WILL BE GLAD TO HELP YOU TAILOR YOUR TOOL KIT TO YOUR SPECIFIC LINE OF SERVICE.

PC TOOL KIT

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Contains all the tools you need for adding or removing your personal computer's parts, peripherals and printed circuit boards. Tools are neatly secured within a handsome, padded black vinyl zipper case.

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- #0 Phillips screwdriver
- Reversible #1 Phillips/1/4" standard screwdrivers
- 1/4" standard screwdriver
- Reversible T-10/T-15 Torx driver
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- 5" long 3-prong parts retriever/extractor
- Integrated circuit inserter/extractor
- Extra parts tube



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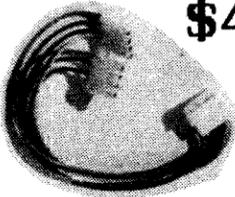
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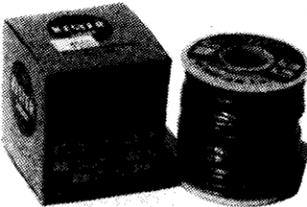


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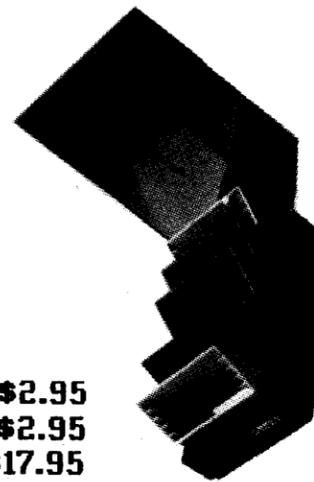
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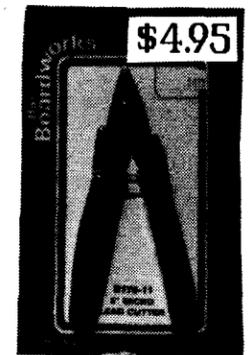
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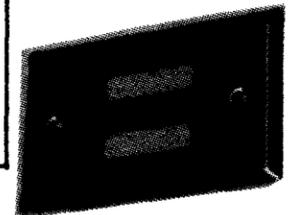
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Radon has potential for causing health problems

EVELYN D. HARRIS
American Forces Press Service

Radon is a radioactive gas that comes from the natural breakdown of uranium in the soil. It is invisible and odorless. Research has shown that the greater your exposure to radon, the greater your risk of developing lung cancer.

According to the Environmental Protection Agency, radon contributes to lung cancer when particles become trapped in the lungs. The particles break down there, releasing small bursts of energy that can damage lung tissue, increasing cancer risk.

In outdoor air, radon is diluted to such low concentrations that it poses no major health problems. However, once the gas seeps into homes through cracks in basements and foundations, it can accumulate to levels potentially hazardous to health. Radon can also come into the home through the water supply. This is a more frequent problem in homes using well water; water in large community systems has been exposed to the air, giving the radon a chance to escape.

The indoor level of radon depends on geological factors, such as the soil's concentration of radon and its permeability, and construction factors, such as the condition of the foundation and the building's airtightness. Because of the number of factors involved,

one neighbor's home may have high levels of radon while the other has low.

The risk of developing lung cancer from exposure to radon depends on the concentration of radon and the length of exposure. Long-term exposure to a slightly elevated radon level may present a greater risk of lung cancer than short-term exposure to high levels. When considering length of exposure it is important to consider both the number of hours per day the room is occupied and the number of years it is occupied.

In general, the basement and ground levels of a building contain higher levels of radon than upper stories; highly insulated buildings contain more radon than leaky buildings; and clay soil is a more effective barrier against radon than sandy soil. Thus, a person who spends 12 hours a day in a well-insulated basement room in a geographic region with a high level of radon in the soil is exposed to much more radon than someone in the same area who works on the third floor of an office building and sleeps in a second-floor bedroom.

Individual factors also have a bearing on how radon effects health. For example, because having one cancer risk factor increases the danger from having another, radon in the home affects smokers more. Scientists also suspect that children, whose lungs are smaller and

are still developing, may be more susceptible to radon damage than adults.

Estimates are that radon gas causes from 5,000 to 20,000 lung cancer fatalities per year, a small percentage of the yearly number of lung cancer deaths — 130,000 in 1986. Even so, the military services, out of concern for the health of members and their families, are testing military housing, child-care centers and other buildings for elevated radon levels. They will treat those with high levels to eliminate the dangers, with the worst getting highest priority.



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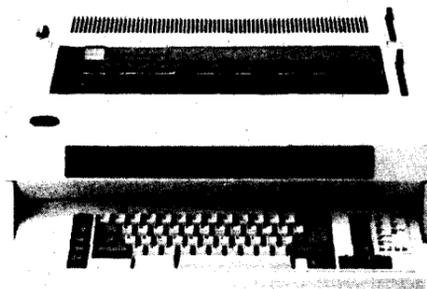
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As of December 1, 1987, IBM published a Special Notice to Federal Government customers indicating IBM will offer the IBM Wheelwriter 10 Series II typewriter for the same price/terms and conditions of our 1987 Single Award Contract which expired on November 30, 1987.

IBM Wheelwriter 10 Series II Typewriter



Model 6783-001
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Computer Course Schedule for August 15 - September 30

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Course Title	Dates	Days	Time	Fee
INTRODUCTION TO MICROCOMPUTERS				
Introduction to IBM PCs or Compatibles	Aug 22-23 & 25	Mon, Tue & Thur	8:30 a.m. - 3:00 p.m.	\$240
Personal Computer Overview	Sept 12	Monday	8:30 a.m. - 4:00 p.m.	\$125*
WORD PROCESSING				
Introduction to WordStar	Aug 29 - Sept 1	Mon - Thur	6:00 p.m. - 9:00 p.m.	\$225
Introduction to WordPerfect	Sept 26 - 27	Mon - Tue	8:30 a.m. - 4:00 p.m.	\$275*
Advanced WordPerfect	Sept 28	Wednesday	8:30 a.m. - 4:00 p.m.	\$150
Multimate Advantage	Sept 29 - 30	Thur - Fri	8:30 a.m. - 4:00 p.m.	\$225
ELECTRONIC SPREADSHEETS AND DATABASE MANAGEMENT				
Beginning Lotus 1,2,3	Sept 13 - 15	Tue - Thur	8:30 a.m. - 4:00 p.m.	\$395*
Lotus Graphics	Sept 16	Friday	8:30 a.m. - 4:00 p.m.	\$150*
dBase III-Plus	Sept 12 - 16	Mon - Fri	8:00 a.m. - Noon	\$325
Advanced dBase III-Plus	Aug 22 - 25	Mon - Thur	1:00 p.m. - 5:00 p.m.	\$395*
COMPUTER LANGUAGES AND CAD-CAM				
"C" Programming	Aug 22 - Sept 1	Mon - Thur	6:00 p.m. - 9:00 p.m.	\$375*
Job Control Language (JCL)	Aug 29 - Sept 9	Mon - Fri	8:00 a.m. - Noon	\$350*
CADKEY	Aug 29 - 31	Mon - Wed	8:30 a.m. - 4:00 p.m.	\$495
APPLE MACINTOSH COURSES				
Introduction to Apple Macintosh	August 29 Sept 13 - 15	Monday Tue - Thur	8:30 a.m. - 4:00 p.m. 6:00 p.m. - 9:15 p.m.	\$130* \$130*
Microsoft Word on the Apple	August 22	Monday	8:30 a.m. - 3:30 p.m.	\$150*
Desktop Publishing	August 30 - 31	Tue - Wed	8:00 a.m. - 12:30 p.m.	\$225*
Presentation Graphics	August 30 - 31	Tue - Wed	1:30 p.m. - 4:00 p.m.	\$125*

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PROFESSIONAL DEVELOPMENT

An Affirmative Action/Equal Opportunity Institution

Military services test for presence of radon gas

BY EVELYN D. HARRIS
American Forces Press Service

The services are testing buildings for radon, an odorless, colorless gas that can pose a health risk to humans.

The Army will test all buildings, beginning with day-care centers, hospitals, schools and living areas. Next, it will test all buildings open 24 hours, such as operations centers, training areas and research facilities, followed by all other structures. Testing on buildings in the first category began this spring. The Army plans to complete all tests by Oct. 31, 1992.

Each building will be tested for 90 days using a track etch detector in the basement or lowest occupied floor. Testing will be done during a heating or cooling season

when buildings are closed. If the level of radon is greater than four picoCuries per liter of air — the standard set by the Environment Protection Agency — steps will be taken to bring the radon down to that level. A picoCurie is a measure of radioactivity. Exposure to radon equalling four picoCuries per liter is roughly the same as smoking eight cigarettes a day. Steps to reduce radon concentration can include sealing radon entry points and subslab ventilation.

The Navy has allocated \$20 million for radon screening in family housing for Navy and Marine Corps, day-care centers, hospitals and schools. Screening will begin soon.

The Air Force began testing for radon gas at 136 bases last December and has now completed the

90-day tests. Family housing, child-care centers, temporary-lodging facilities, DOD dependent schools and dormitories were tested. The Air Force has not yet fully analyzed results, but it estimates, based on Environmental Protection Agency research, some radon reduction steps will be necessary in 14 to 20 percent of tested buildings.

The services have similar plans of action to fix buildings with high levels of radon. Those with radon levels greater than 200 pCi/l (greater cancer risk than smoking four packs of cigarettes a day) will be fixed immediately. If necessary, occupants will be moved until radon levels can be lowered. Buildings with levels between 20 and 200 picoCuries per liter will be fixed within six months; between 20 and four picoCuries, within one to five years, with the higher levels being fixed first.

In calculating the amount of risk involved in radon exposure, the Environment Protection Agency assumes that a person occupies a space 18 hours a day over a period of 70 years. Most people are not going to spend that much time over that many years in the same space. Certainly no military member or dependent will.

Therefore, as Penny Schmitt, a spokesperson for the Army's radon abatement program, said, "There is no cause for alarm even if there is a radon problem in your home or office. But it is reassuring to know your service is going to take action to get the level down — soon."

Son

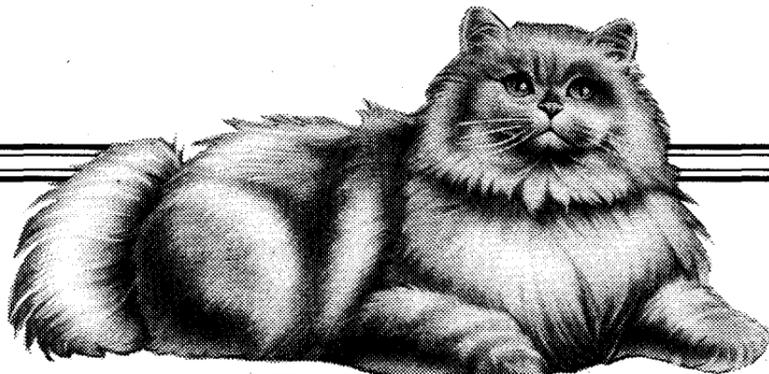
(Cont'd from page 4)

Benning, followed by Ranger training and a tour of duty with the 82nd Airborne Division.

"I'm not sure yet if the Army will be a career. I know it will be for the next five years; after that I will just have to decide then," he said.

"Right now all I can think about is the next few weeks and all the stuff I have to do to get ready for my wedding. July 16 is the big day and the way things are going it sounds like it is going to be a big wedding. Ellen Ferrell, my fiancée, and I have talked about a honeymoon in Nashville but we aren't sure," he said.

"I'm very excited about the wedding and I'm very excited about pursuing my career and attending Ranger school. I have been told it is very rough and many have quit. For me, quitting is not an option."



GOLDFINGERS

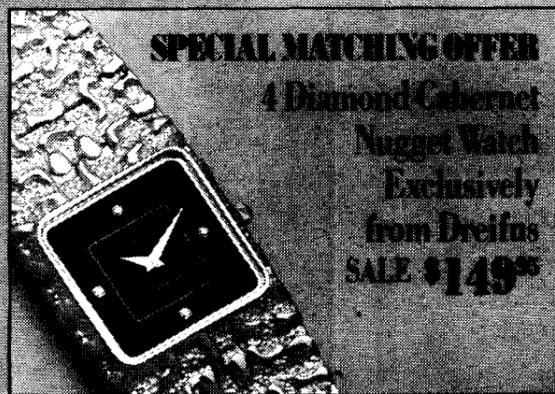
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New learning center located closer to troops

BY FRED A BRAME

A new branch of the Army Learning Center has made it easier for Redstone soldiers and their family members to improve their education and work skills.

The Northern ALC, which opened on May 26, is located in building 3349 in the Ordnance Missile and Munitions Center and School area and is within walking distance of the post barracks.

Having the facility in the troop area saves time which would otherwise be spent traveling between the troop area and the main ALC located on the south side of the arsenal, according to Dave Kieselbach, who manages the learning center system here.

The facility uses the PLATO computer system, which provides easy to use, individualized, and self-paced instruction that is more effective than a classroom setting, Kieselbach said.

Twenty-six terminals are available for use and over 2,000 programs are available for study. Also, several televisions and VCRs are provided for patrons to view taped lectures.

The ALC is open to soldiers (active and reserve), retirees, DA civilians and, on a space available basis, adult family members. It's open from 10 a.m. until 6 p.m., Monday through Friday.

"We're trying to provide a service which meets the needs of the soldier," Kieselbach said. "We have everything from literacy up to artificial intelligence and a good deal in between."

The Northern Army Learning Center offers something for everyone, according to Barney Humphrey, the center's monitor.

Whether you want to prepare for the GED, sharpen your work skills or work toward a college degree, the center has programs to meet your needs, Humphrey explained.

The center offers several courses that are approved for college credit by the American Council on Education. The courses will be accepted by any university, according to Kieselbach.

Two programs highly recommended for soldiers by Kieselbach are Promote I and Promote II. These courses teach soldiers how to access their promotion

points and how to act before a promotion board. For more information about the new ALC, call 876-9416/9427 or stop by building 3349.



NEW ALC — Denita Jones, an Army family member, discusses a course with Humphrey.



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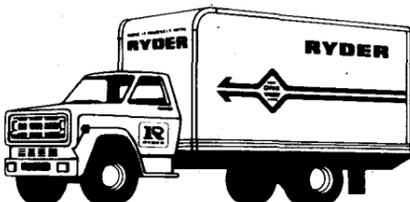


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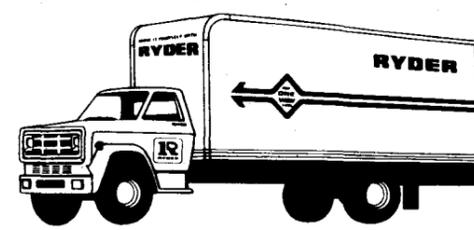
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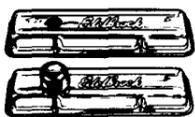
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DISCUSSING — Dr. Rick Windhorn and Diana Lamb, first volunteer to graduate from the Red Cross Dental Assisting training, discuss dental care with Pvt. Sean O'Neill. The training program is conducted on the arsenal at the Dental Clinic.

ACS

(Cont'd from page 3)

names of legal services in Huntsville," she said. "Another case where we can help would be if a service member just moved into the area and had a family member with special needs, we can help make arrangements for those special needs so that the transition is easier."

ACS is in the business of helping people, and the information referral program is just one of many services offered as assistance to the soldier and family members. Those eligible for the program include active or retired military, military family members or Defense Department civilians.

"If we don't have the information a person is seeking, we will do our best to find out and help them anyway we can," she said.

The files include hours of operation and a description of the services and phone numbers. "Our reference files include such services as adoption, Big Brother, Big Sister, camps, food stamps, health connections, nursing homes, and many more. Our service covers all services in Madison and adjacent counties. Currently we have over 600 agencies and services available in the reference files," Howard said.

For more information regarding the services, call 876-2859/5397 from 7:30 a.m. to 4 p.m. Monday through Friday.



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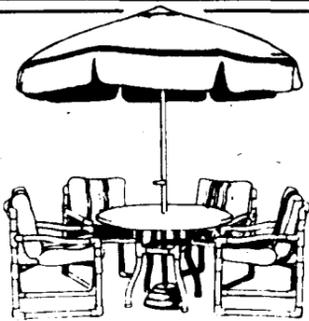
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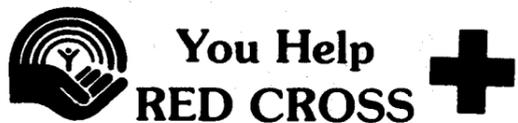
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Announcements



Picnic softball

Final softball games for the MICOM Family Picnic this Saturday at the civilian recreation area will be held according to the following schedule: the "Coed" softball finals, 10 a.m.; and the Men's finals, 3 p.m.

Movie schedule

Here's the Post Theater schedule; 7 p.m. is the starting time. Saturday, June 18—*Shakedown*, rated (R), 96 minutes. Sunday, June 19—*Shakedown*. Tuesday, June 21—*Stand & Deliver* (PG), 105 minutes. Thursday, June 23—*Scavengers* (PG-13), 92 minutes. Friday, June 24—*Bloodsport* (R), 92 minutes.



Chapel events

Parents are reminded that it isn't too late to register your children for *Vacation Church School* scheduled from June 20-29 on weekday mornings from 9-11:30 at Bicentennial Chapel. Parents must register their children in person in room 15 at Bicentennial Chapel. All children age 3 through those who have just completed sixth grade are invited. *Protestant Youth of the Chapel* meets on Wednesdays at 6 p.m. at pool 3 (old Officers Club) through the summer months; all are invited; there will be no Sunday evening meetings.

Learning center

Army Learning Center offers the following in-house, videotaped management courses: *Action Plans for Implementing Quality & Productivity* and *Managing Under the Gramm-Rudman Act*, which deal with working with a limited budget while maintaining quality and productivity; *Business Ethics: Guidelines & Commitment* and *Fair Employment Practices/Preventing Sexual Harassment*, which deal with ethical business practices. To enroll in these courses, send a DD form 1556 to AMSMI-PT-CP-TC/ALC, building 7446.

MLC farewell

The Missile Logistics Center will host a farewell reception in honor of Col. and Mrs. Ross I. Sanders on Friday, June 17 from 10 a.m. to noon in building 5681, A4C conference room. All MICOM personnel are invited.

String music

The Metropolitan Youth Orchestra of Huntsville's "String Camp '88" will be held from June 20-24 at the University of Alabama in Huntsville. Camp activities will include master classes, chamber music ensembles, recitals and three orchestras. Younger players will participate in musical activities from 8 a.m. until noon and older players will participate from 1-5 p.m. The camp fee is \$65, but some scholarship aid is available. Two performances that will be open to the public free of charge include a recital by the camp's master teachers on Thursday, June 23 at 7 p.m., and a student concert at 7 p.m. June 24. Reservations for string camp may be made by calling 882-0774. For more information, call Shirley Corbett 883-4697.

Preseparation orientation

The next preseparation orientation — not retiree orientation — for military personnel with ETS or release from active duty dates through Oct. 31, 1988 will be conducted from 8-11:30 a.m. June 23 in building 3495 (Toftoy Hall), auditorium room 119. Representatives from Veterans Affairs, Employment Services, Military Pay Division and others will brief attendees and answer questions on post-separation plans. Spouses are encouraged to attend. It is mandatory for specified personnel to attend.

SDC wives

The Strategic Defense Command Officers' Wives' monthly function will be held Tuesday, June 21. A tour of Channel 19 followed by a picnic lunch is planned. Hostesses for this function are Lillian Kawano and Lynn Stunkard. For more information, call 882-3213 or 880-2732.

ADPA/AUSA meeting

The Tennessee Valley Chapter of American Defense Preparedness Association and the Redstone-Huntsville Chapter of Association of the United States Army will have a luncheon meeting Thursday, June 30 at the Officers Club. Scheduled speaker, U.S. Sen. Richard C. Shelby, is to discuss trends in defense budgets. Social begins at noon, with the luncheon at 12:30. Cost is \$8.50 per person. Make reservations by June 27 with Virginia Medlock 533-6637.

Sci-fi group

North Alabama Science Fiction Association will meet at 7 p.m. Saturday, June 18 at the First American Federal Savings and Loan, 4008 University Drive NW. Scheduled speaker Charles Blakely, owner of the IBIS Bookstore, is to discuss "Channeling, Crystals and New Age Metaphysics." For more information, call 882-1006 after 6 p.m.

Charity fund

Four-year-old Brandy Sloan is in serious condition in the intensive care unit of the burn center of Children's Hospital in Birmingham. Her parent's rural mobile home, located between Huntsville and Arab, burned at about 2 a.m. Tuesday, May 17. Brandy's father, Richard, is a construction worker with no health insurance. Contributions can be made to the Brandy Sloan Charity Fund at any branch of Southtrust Bank or can be mailed to: Brandy Sloan Charity Fund, Southtrust Bank, P.O. Box 267, Huntsville, Ala. 35804. Cards and letters can be sent to: Brandy Sloan, Children's Hospital Burn Division, UAB 6th Ave., Birmingham, Ala. 35233.



Motorcycle safety course

A motorcycle safety training program has been established on the arsenal. All motorcycle owners operating motorcycles on post are required to possess a card verifying completion of the Motorcycle Safety Foundation Better Biking Program. The next class will be on Saturday, June 18, from 8 a.m. to 2:30 p.m. in building 3222, Snooper Road. To reserve a space, civilians are required to prepay \$14. Cost of training for the military personnel is paid through the military training program. For assistance, call Reita Perry 876-9763 from 8 a.m. to 4:30 p.m. Monday through Friday. Deadline for registration is close of business June 16.

Overeaters

Overeaters Anonymous meets every Thursday from 11:15 a.m. to noon at the Post Chapel, and every Friday at 7 p.m. at the Fox Army Community Hospital. For information call 532-7013.

Lunch and learn

Billie Long from Chi-Ho will speak on Child Abuse and Neglect today (June 15) from 11 to noon at the Post Theater, according to the Federal Women's Program. Everyone is invited to this "lunch and learn" program. Bring your own lunch.

Preschoolers

Federal Law 99457 mandates that all public schools serve the handicapped preschool child, 3 to 5 years old. As a result of this law, the need for transportation on Redstone Arsenal will increase, according to officials here. If you have a child in this category, call Frances Howard, family service specialist, at 876-2859/5397 or stop by Army Community Service (building 3491) on Honest John Road.

Warning Signs of Kidney Disease

Following are seven Warning Signs that may indicate you have a problem with your kidneys:

- Swelling of parts of the body
- Lower back pains
- Burning or abnormal sensation during urination
- Bloody or coffee colored urine
- Changes in the pattern of urination such as increased frequency
- Puffiness around the eyes, particularly in children
- Listless or tired feeling

If any of these symptoms occur singly or in any combination, consult your physician immediately.



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**American Kidney Fund
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Carpool Hotline

Call 876-1500 to place your free carpool ad

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 newspaper 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: House in SE Huntsville four bedrooms, large oversized den, living room, dining room, kitchen and kitchenette, utility room, work shop, 2 car garage, outdoor deck and patio, built-in bookcases, custom drapes, TVA energy package, new roof, built-in appliances incl refrigerator. Mountain Gap and Grissom School Districts. Call 881-6388. \$116,900.

FOR SALE: Eight place settings Phaltzgraff Yorktown stoneware. \$30. 830-2711.

FOR SALE: A beautiful two year old home in Park City, TN. This two-story home has four bedrooms, 1 1/2 bathrooms, a large utility room, kitchen/dining room combination, a very large living room, and a large outside storage shed, all on a 1/2 acre lot. This home has 1500 sq. ft. of living space with a one-car carport. All this for only \$49,900. Call after 4:30 pm (615)433-8039.

FOR SALE: Bass boat, 14' Semi-V-hull aluminum boat, 20 HP motor and trailer, Min Kota trolling motor, deep cycle battery, livewell/storage compartment and other accessories included. Perfect condition. \$995 firm. Call 883-5643.

FOR SALE: 2 twin size bed sets. Includes mattress and box springs; mattress pads; rose colored sheet sets and country style bedspreads with shams. Perfect for girls room. \$75 each set. Will sell separately. Call 883-5643.

FOR SALE: Early American/Colonial style wooden dining room or kitchen set. Includes table with leaf and 4 mates chairs. Excellent condition. \$100. Call 883-5643.

FOR SALE: Large 4 bedroom home in Owens Cross Roads. 3 baths, office or 5th bedroom 2 car garage. Large yard. Separate 24x80 workshop and long shed. Sell house and lot or house and approx 8 or 9 acres. Call 725-4345 after 5:00 pm.

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FOR SALE BY OWNER: 1,500 sq. ft., Brick Rancher Home w/3 bedrooms, 2 full baths, 2 car garage w/Genie garage opener, large greatroom w/stone fireplace and cathedral ceiling. Large fenced lot. Meridianville 828-0623 after 4 pm.

FOR SALE: 22 acres-11 in cultivation, beautiful homesite, 1/2 miles from Gunterville Lake, near post office, located in Langston, Jackson County, \$30,000 (will negotiate). Call 883-2672.

HOME FOR SALE BY OWNER: Relocated-must sacrifice sale of four bedroom two baths, 2000 sq. ft. home located in Southeast Huntsville, walking distance to Weatherly School. Assumable VA or 87,900 Call 883-0485 or 882-0749.

WANTED: Aluminum Fishing boat with trailer and motor. (\$200-\$400) Call Skt 837-0215.

FOR SALE: PTO Type Danuser Post Driver, lightweight utility trailers (riding mowers 4-wheelers etc.) two 4'x6' metal shop tables. 16 hp Honda mower tiller front blades and deck attachments. Call Gary 851-9626.

FOR SALE: 17.5 Tri Hull Ski Boat 85 hp Johnson with trailer motor needs some work \$1000. Call 881-0070 after 5 or 539-3980.

FOR SALE: 1974 Mustang Ghia, rough, but it runs! \$550. call 881-0070 or 539-3980.

FOR SALE: Washing Machine, Westinghouse, Heavy duty, copper-tone. Priced \$60. Call 895-0551.

SPEND A WEEK OR WEEKEND: In the Smokey Mtns. Franklin NC the Ruby Capital-within minutes of Dollywood, Gatlinburg, Pigeon Forge, Cherokee and other NC & Tenn attractions. Call Joe or Anna 881-2773. 2 br 1 bath house-fully equipped Kitchen.

FOR SALE: 1984 Camaro Z28. Blue; 5 HO liter engine; 59,800 miles; power windows and steering; air conditioning; AM/FM stereo; tilt wheel, rear defroster, automatic transmission, sports wheels, excellent condition, one owner; asking \$8,700 or best offer. Call 536-4918.

HOME FOR SALE BY OWNER: Three bedrooms, one and three-quarter baths, with ceiling fans, mini-blinds, swimming pool, storage building, privacy fence, new paint inside and out, and much more. Convenient to Redstone Arsenal, assumable 9 percent VA loan at \$450 a month. \$62,500. Call 883-1813.

FOR SALE: Newly-refinished solid maple table with four captain chairs and one side chair; table pad included. Asking \$225. Call 881-7369 after 4:30 p.m.

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FOR SALE: 1983 450 Honda Nighthawk motorcycle, 3500 miles with cover and two helmets. \$1995, obo, 895-0863 evenings.

FOR SALE BY OWNER: Clean 3, bedroom, 2 bath, beautifully decorated rancher, pmts under \$400 quiet neighborhood next to park, walk to Farley Elementary. Grissom H.S. District. 1 mile to Sci and Gate 2. New Stainmaster carpet, fresh paint throughout, mini blinds, ceiling fans, wallpaper, storm windows, deck, garage. 3/4 fenced. 14010 Armond Dr., 882-1743 after 5.

FOR SALE: Three roomsize carpets (11'x13', 11'x17 1/2', 10'x14 1/2')-\$150, each or all three for \$400. Queen size sofa bed-\$200. Call 721-1237 after 6 pm.

FOR SALE: Enlisted Dress Blues, coat 39L, pants 33 waist. \$100. Dress green trouser 32w x 34l \$5 ea. Call after 5 pm 773-3979.

FOR SALE BY OWNER: Brick home, LR, DR, 3 BR, 1 1/2 bath, central heat and air, new paint and roof. Fenced 3/4 acre lot, 24x24 detached garage, 18x36 inground pool with privacy fence, storage shed, landscaping, more. \$69,900. Call 852-6386.

FOR SALE: 1983 Ford Truck, SWB 6 cylinder 3 speed transmission, power steering/brakes, mag wheels, sleeper/camper shell, \$3500. Call 423-6564 evenings.

FOR SALE: 1988 Renault Medallion; 15,500 miles, removable AM/FM stereo cassette, air conditioning, automatic tinted windows, silver, sharp car. Take over payments. Call 830-2309 after 5 p.m.

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FOR SALE: Two garage doors with complete hardware. \$100 each. Call 776-2336.

FOR SALE: 1965 Ford Mustang, 289, 3-speed, good condition. \$2,650 negotiable. Call 881-9501.

FOR SALE: 14-foot flat bottom aluminum boat and trailer. Call 881-4244.

FOR SALE: Lifestyler 2000 rowing machine, \$45. Back rest pillow, \$5. Coffee table, \$9. New oriental design rug, \$6. Call 830-5924.

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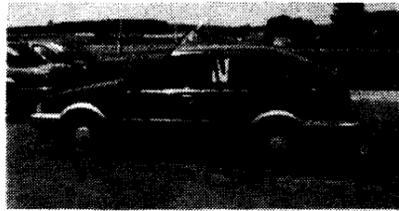
1987 GMC Sierra Classic. Short Wheel Base, Auto, Air, Tilt Wheel, Cruise Control, Power Windows, Power Locks, Real Clean. \$11300.



1984 Jeep CJ7 Renegade 4x4. Soft Top 6 Cylinder, Four Speed, Chrome Rims, AM/FM Cassette. \$7495.



1984 Toyota Celica GT. Five Speed, Air, Tilt Wheel, AM/FM Stereo, Power Mirrors, Nice Car. \$7995.



1986 Chevrolet Nova. Five speed, Air, AM/FM Cassette, Cruise Control, Two-Tone Paint, Clean. \$5695.



1986 Subaru GL10 Wagon. 4 Wheel Drive, Five speed, Air, Power Sunroof, Loaded With Options. \$8150.



1986 Toyota Corolla. Four Door, Auto, Air, AM/FM Cassette, Power Steering, Power Brakes. \$6995.



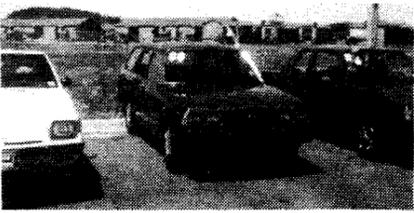
1984 Toyota Camry LE. Auto, Air, AM/FM Cassette, Power Steering, Power Brakes, Cruise Control, Rear Defroster, Power Mirrors. \$6590.



1986 V.W. Quantum GL5. Auto, Air, AM/FM Cassette, Power Locks, Sunroof, Clean Car. \$8495.



1986 Buick LeSabre. V-6 Auto, Air, Tilt Wheel, Cruise, Power Locks, AM/FM, Real Sharp. \$8995.



1980 Toyota Corona Wagon. Auto, Air, Luggage Rack, AM/FM Cassette, Must See, Good Dependable Transportation. \$2995.



1986 Nissan Sentra. Five Speed, AM/FM Cassette, Rear Defroster, Wire Wheels. \$6495.

1984 Chevrolet Blazer 4x4. Five Speed, V6, Air, AM/FM Cassette, Luggage Rack. \$7495.

1986 Toyota Van, 7 passenger, Auto, Front & Rear Air, AM/FM. \$9150.



1986 1/2 Toyota Supra. Five Speed, Air, Power Windows, Power Locks, Loaded With Options. \$15,995.

1980 Mercury Grand Marquis Wagon. Auto, Air, AM/FM Radio, Rear Seats, Clean Wagon. \$7495.

1981 Ford Escort Wagon. Auto, Air, Luggage Rack, Must See, Real Clean. \$2595.

1986 Mercury Capri. 5.0 PFI, Auto, Air, T-Tops, AM/FM Cassette, Power Windows, Power Locks, Cruise Control, Tilt Wheel, Sharp. \$9450.

1981 Fiat X19. Targa Top, Five Speed, Air, AM/FM Cassette. \$3495.

1983 Toyota Tercel. Air, Auto, AM/FM Radio, Rear Defroster, Real Clean. \$3695.

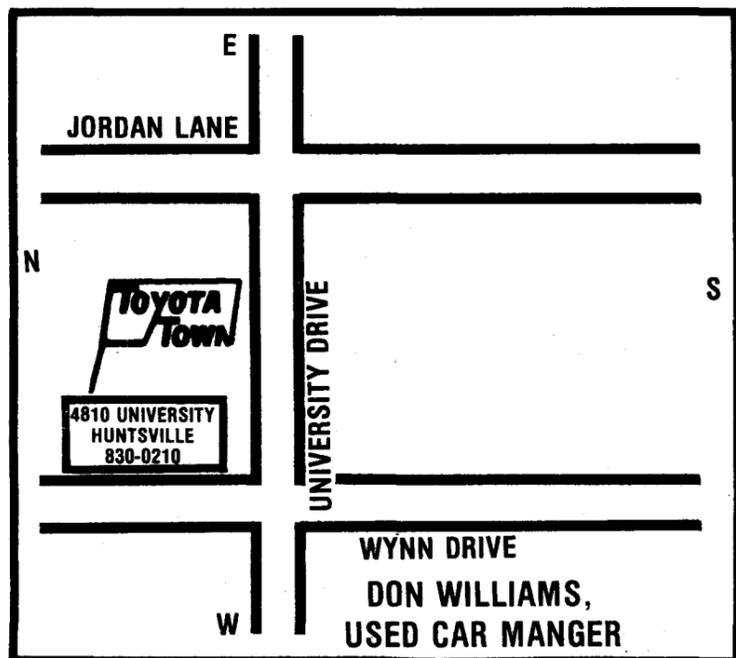
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