

Redstone Rocket

Vol. 34³³ No. 9

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August 1, 1984

Army helicopter brings injured diver for treatment in NASA hyperbaric chamber

BY SKIP VAUGHN

SSgt. James Owens was just filling in for a co-worker at the Army Airfield here when an emergency call came in.

A diver had been injured and was being brought in by an Army helicopter for treatment in NASA's re-compression chamber.

Owens, flight operations chief, had already worked his normal 7:30 a.m. to 4:30 p.m. shift. He stayed late to catch up on some work on a computer and was filling in for 15 minutes for the duty dispatcher when the call came in about 6:25 p.m. Tuesday, July 24.

The communications center at Marshall Space Flight Center was calling to try to confirm that an aircraft was bringing in an injured diver. The telecommunications systems status center, run by Kentron International under contract with NASA, operates 24 hours a day.

"What they wanted to do was confirm a time on the aircraft and find out whether the victim was actually on the aircraft," Owens said. He called the Muscle Shoals (Ala.) Flight Service Station and was told that the helicopter had two stops before coming to Redstone. It was to travel from Fort Campbell, Ky. to Murray, Ky. and then to Kentucky Lake before arriving here.

It turned out that James Fields, 20, had been diving for clam shells in Kentucky Lake near Paris, Tenn. He apparently slipped off an underwater ledge and lost his mask. He came up holding his breath. By the time he reached the surface, he had lost the use of his right arm and both legs. Fields' employer, who was in the boat, pulled him in. Another diver arranged for a helicopter from Fort Campbell to pick him up.

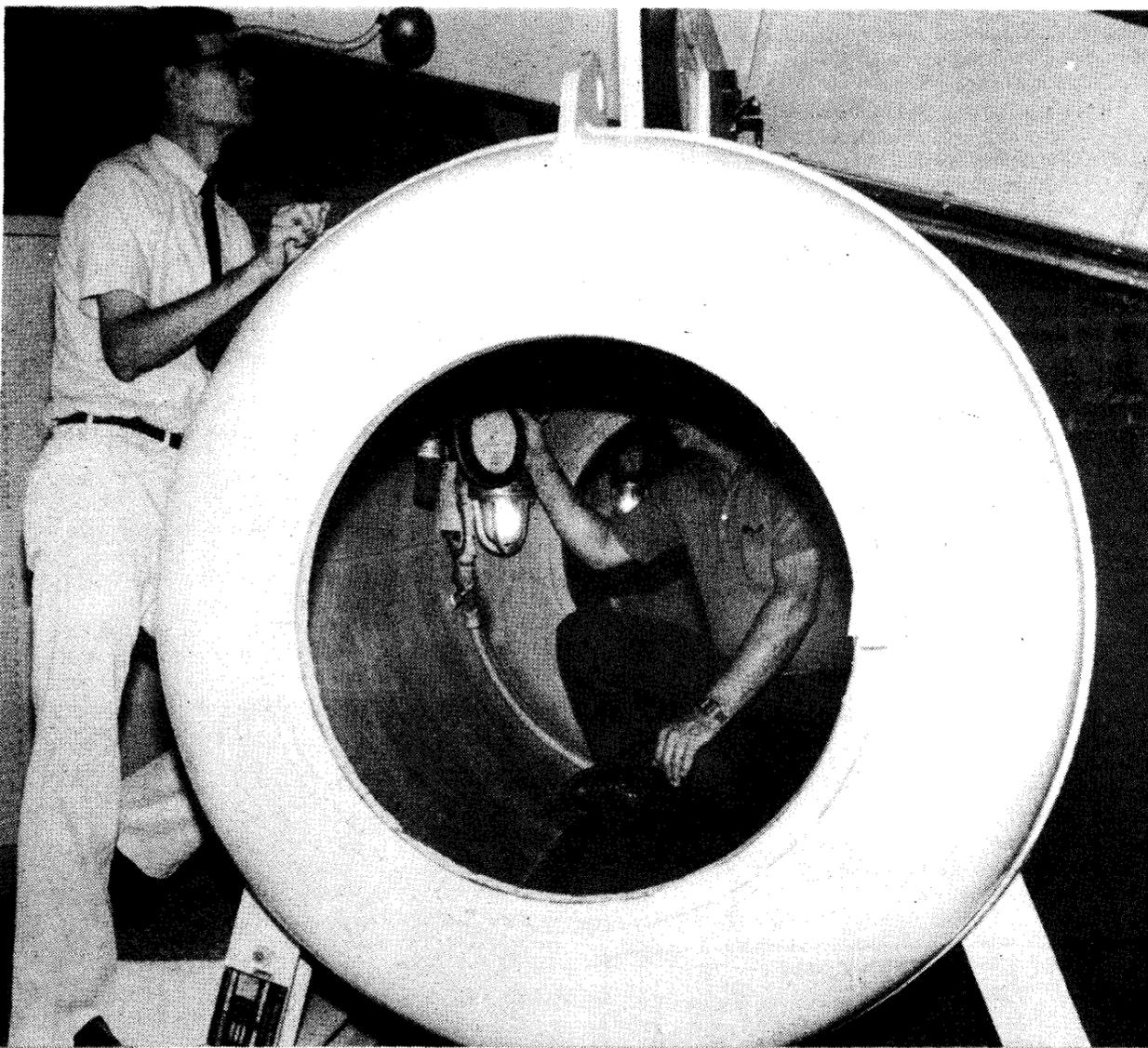
Owens called the Marshall communications center with the information on estimated time of arrival at Redstone. "Really I think they (the communications center) did most of the work," he said. The two people on duty at the center that night were Cathy Page, a senior telecommunications controller, and Doug Nunley, a controller. They alerted the military police, the ambulance at Fox Army Community Hospital, and security officials.

"They informed me that they would have all those people report here at the airfield and I just arranged for an assembly point for everybody to meet here," Owens said. "Once we had everybody assembled here, the aircraft landed about two minutes after that."

When the helicopter landed, Owens served as ground guide to direct it to a stop area. The ambulance picked up the diver to take him to the NASA chamber.

Dr. William Dye, director of the medical clinic at the space center, was at the re-compression or hyperbaric chamber with a six-member crew of NASA workers. This chamber is located at the neutral buoyancy facility, near a large tank of water used to simulate weightlessness for astronauts. If someone suffers the bends or an air embolism while diving, the circular metal chamber is used for treatment.

"We put (Fields) in the chamber at 8:30 and he was in there till 1:30," Dye said. "That's about five hours, that's how long it took to treat him." Fields had suf-



TREATMENT CHAMBER—Rick Richter and Robert Beavers (inside the NASA re-compression chamber) were among a six-member crew that operated the chamber to treat an injured diver.

ferred an air embolism, a bubble of air that had been forced into his bloodstream when he held his breath while surfacing. He was lying on his back in the cylinder-shaped chamber with an observer seated nearby. The chamber can use air pressure to simulate the equivalent depth of as much as 165 feet in the ocean.

At the end of treatment Fields was able to get up and walk. He still had a sinus headache but the neurological symptoms were gone. The doctor felt that he should stay in a hospital but Fields wanted to go home. When Dye left at 2 a.m. Fields' parents had arrived at an arsenal gate from their home in Eva, Tenn. and were on their way in to pick the diver up.

"It (the injury) doesn't happen often. Unless the person's treated pretty rapidly, it's frequently fatal," Dye said. This is the only such chamber in the immediate area. Before last week the most recent diving

injury victim treated there was someone who had suffered the bends and was brought by ambulance from Birmingham last Dec. 24.

Owens, the flight operations chief, recalls that last week's incident was a first in his four years at Redstone Army Airfield. "This is the first time we've ever had anything happen like this since I've been here," he said. The 31-year-old Norfolk, Va. native entered the Army in May 1972. He and his wife Jacqueline have two daughters and a son—Adriene, 12, Kamesha, 10 and James III, 5.

The staff sergeant, who was supposed to be filling in for only 15 minutes, wound up working until 10 o'clock the night of the emergency landing. That's when the helicopter left from here.

"I was really pleased that everyone pulled together (See NASA chamber, cont'd page 7)

Trio says gardener planted erroneous story

BY ED PETERS

Three people who have garden plots in the housing area west of Vincent Drive claim a fourth misrepresented his in an article that appeared in this newspaper last week.

SSgt. James Montgomery, Nancy Nimmons and Linda Ritchie say that the vegetables SSgt. Alfred Hammond claimed in the article that he had grown were actually grown by others.

Pictures that accompanied the article show Hammond with corn that Montgomery says is in his garden. The tomatoes and peppers Hammond is pictured with, according to Nimmons and Ritchie, are from a garden shared by an Army master sergeant and a Marine first sergeant.

Hammond, for his part, insists the vegetables were his and were grown in his own garden and in another garden given to him by Sp5 Davie Hobbs who Hammond said is in jail.

"I'm letting everybody on post know that this is the most bodacious thing I've ever seen in my life," said Montgomery, upset because his corn appeared in a picture giving someone else credit for growing it.

Montgomery, NCO in charge of technical escort for the explosive ordnance disposal division at the missile school, took this reporter and PFC Jeff Watson on a tour of the garden plots Friday. Watson, of the missile school public affairs staff, contributed the gardening article to the *Rocket's* July 25 edition.

A weedy plot containing neither corn, tomatoes nor peppers was pointed out by Montgomery as being Hammond's actual garden. A sign on a stake also identified it as such.

The plot belonging to Hobbs which Hammond says was given to him looked neglected and did not appear to contain pepper plants. The corn was brown and wilted and the tomatoes did not appear to be doing well, in stark contrast to the vegetables Hammond was photographed with a week earlier. Neither plot, according to Watson, was where Hammond had taken him previously to take pictures. Watson said the pictures were taken in Montgomery's garden and in another well-kept plot identified by Nimmons and Ritchie as belonging to a soldier and Marine who are neighbors on Jupiter Court.

"It's the principle of the thing," said Nimmons. "Everyone's worked real hard on their gardens and no one should take credit for what someone else did."

Asked about the inconsistencies, Hammond insisted that the tomatoes and peppers were "grown in my garden" even though the garden staked out as his appears not to contain pepper and tomato plants. The corn he still insisted was in the garden given him by Hobbs.

Hammond claims he is being sniped at by others "jealous" of his gardens. "His (Hobbs' garden) I guess is the largest out there and his is the most successful out there," said Hammond. "The whole thing is that I didn't mention a lot of people by name" when Watson interviewed him for the garden story, Hammond said.

Watson recalls that Hammond represented the vegetables to be his own. "I mean, he picked the tomatoes. He even gave me about six of 'em."

Said Montgomery, "It's like Nancy said. We go out



"THAT'S MY CORN" - SSgt. James Montgomery points to the corn he has raised in a garden plot in the housing area

west of Vincent Drive. He says that same stand of corn was shown in a picture last week as belonging to someone else.

there and work and other people are taking credit for it and that's just not fair."

Montgomery, 32, has worked the same garden plot since 1980. He begins preparing it each year in February and his wife, Artis, worked it one year by herself while her husband was overseas.

They have a freezer full of broccoli, squash, onions, tomatoes, pole beans, cauliflower and other vegetables they have grown. They harvested 56 ears of sweet corn

last Thursday evening and also are harvesting cantaloupes.

Contacted at work Friday afternoon at MICOM's maintenance test and procedures branch, MSgt. Joseph Williams said a picture in the *Rocket* July 25 "looks like" his garden, which Marine First Sergeant Herb Wise uses also. He said Hammond has no plants in the garden and has never helped work it.



WRONG GARDEN - SSgt. Alfred Hammond stands in someone else's garden in a photograph used in this newspaper last week.

THE REDSTONE ROCKET
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This month in history

43 years ago: Col. Rollo C. Ditto was assigned as the first commander of the Huntsville Arsenal and broke ground for construction of the chemical manufacturing facility on a large tract west of Patton Road (Aug. 4, 1941).

40 years ago: The road running east and west connecting Rideout Road and the Huntsville Arsenal airport was named Hale Road in honor of 1st Lt. Emmett J. Hale (Aug. 10, 1944). Hale was one of the first officers to test incendiary bombs at Huntsville Arsenal and gave his life in the performance of this duty on June 27, 1944.

27 years ago: The first scale model Jupiter nose cone was recovered from outer space (August 1957).

26 years ago: The first Jupiter intermediate range ballistic missile, developed by the Army Ballistic Missile Agency was delivered to the U.S. Air Force for overseas deployment (August 28, 1958).

22 years ago: The Army Ordnance Missile Command was abolished and its missions and personnel transferred to the new Army Missile Command under the Army Missile Command, successor to the Office, Chief of Ordnance (August 1, 1962).

Compiled by Mary T. Cagle
command historian

Reserve history book published

WASHINGTON—The first book chronicling the history of the Army reserve will hit government bookstands this summer.

The book, entitled "Twice the Citizen, A History of the U.S. Army Reserve, 1908-1983," is co-authored by Army reservists Lt. Col. Richard B. Crossland and Maj. James T. Currie.

Published by the Office of the Chief of Army Reserve, the book traces the history of the reserve from its militia roots, through its establishment as the Army's medical corps reserve in 1908, to its 75th anniversary in 1983.

Topics include the American militia tradition; the reserve's early years and post-war reorganizations; its service during World War II, the Korean conflict, the Berlin call-up, Vietnam and current missions.

The authors compiled research from previously unpublished records and correspondence, interviews with reserve officials, and veterans' recollections and personal documents.

Both Currie and Crossland hold degrees in history. Currie works as an associate historian with the U.S. House of Representatives. Crossland serves on active duty with the U.S. Army training and Doctrine Command, Fort Monroe, Va.

The book will be distributed through Army publications channels and will be available through the Government printing office as DA pamphlet 140-14.(Arnews)

Army sets new goals for occupational safety

WASHINGTON—Soldiers and Army civilian employees have been called on by Chief of Staff Gen. John A. Wickham Jr. to develop a "sixth sense" for safety consciousness in supporting the federal government's new goals for occupational safety and health.

The new goals aim for a three percent per year reduction in federal employee's work-related injuries and illnesses during fiscal years 1984 to 1988. The goals also apply to military personnel, as directed by the Secretary of Defense, Wickham said in a recent message to the major Army commanders.

Wickham pointed out that the Army paid \$88.5 million for civilian compensation claims in fiscal 1983. Injuries and illnesses on the military side came to \$87.5 million.

Such high costs also degrade readiness, Wickham

said.

"I know that you recognize that a business-as-usual approach to the safety and health of our soldiers is incompatible with our Army of excellence," he said. "All of us must take positive action to reduce losses and meet the established goal. Action plans that involve safety, occupational health, and worker-compensation personnel must be developed to help identify problem areas and prescribe corrective measures."

Wickham's message also relayed the Defense Department's requirement for periodic progress reports. They are to be submitted, beginning with fiscal 1984's fourth quarter, by the major Army commands to the Army Safety Center at Fort Rucker, Ala.(Arnews)

Handicapped parking law enforced in Huntsville

Vehicles not displaying a state handicapped sticker or dashboard placard and parked in a handicapped space will get a \$25 ticket in Huntsville.

Handicapped stickers issued by Redstone Arsenal are not recognized off post, officials caution.

A one-inch state sticker for the license plate and a placard for the dashboard are available for \$1.50 from the license division in the Madison County Courthouse. Medical proof of disability must be submitted.



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High school, college faculty members spend summer in Army laboratory

BY SKIP VAUGHN

Some faculty members from colleges and high schools are spending their summer at work in an Army laboratory.

At Redstone there are eight high school teachers and 14 college professors in temporary positions in the Army Missile Laboratory. This is the first time for the Army Summer Associateship Program for High School Science and Mathematics Faculty.

This is the second year for the Army Summer Faculty Research and Engineering Program for college professors. Both programs are offered Army-wide.

"It seems to give them an excellent opportunity to get involved in ongoing research," says Dr. Harry Meyer of the lab's research directorate. He is the coordinator for both programs here.

"It lets them learn about and participate in ongoing research at the Army Missile Laboratory. When they go back to their teaching positions, they tell their students about the activities they saw here and the needs and opportunities of the Army Missile Lab," Meyer adds.

The programs are sponsored by the Department of Army and administered by the Army Research Office. Battelle, an institute in Research Triangle Park, N.C., is the management contractor. Faculty members apply through Battelle for the laboratories of their choice. If selected the college faculty members receive \$650 per week and the high school teachers receive \$450 per week.

One program offers summer associateships for up to 12 weeks for university scientists in the fields of engineering, math, physics, chemistry, computer science, medical and health sciences, and behavioral science. The other program offers associateships of up to 10 weeks for high school science and math teachers.

"I think it's fantastic," says Jim Hawk, a participating college faculty member from the University of Alabama in Birmingham. "I'm getting an introduction to an area that is new and interesting to me and the Army has all the equipment."

Hawk, who lectures in physics at UAB, is spending the summer in the optics branch of the lab's research directorate. He started June 4 and will be here through Aug. 24. "I'm doing work with optical matched filters. It has applications really in target identification and tracking and also it has applications in optical computing," he says.

The 54-year-old Bridgeport, Conn. native has a master's degree in physics from Washington Universi-

ty in St. Louis and also did graduate work at the University of Alabama in Tuscaloosa.

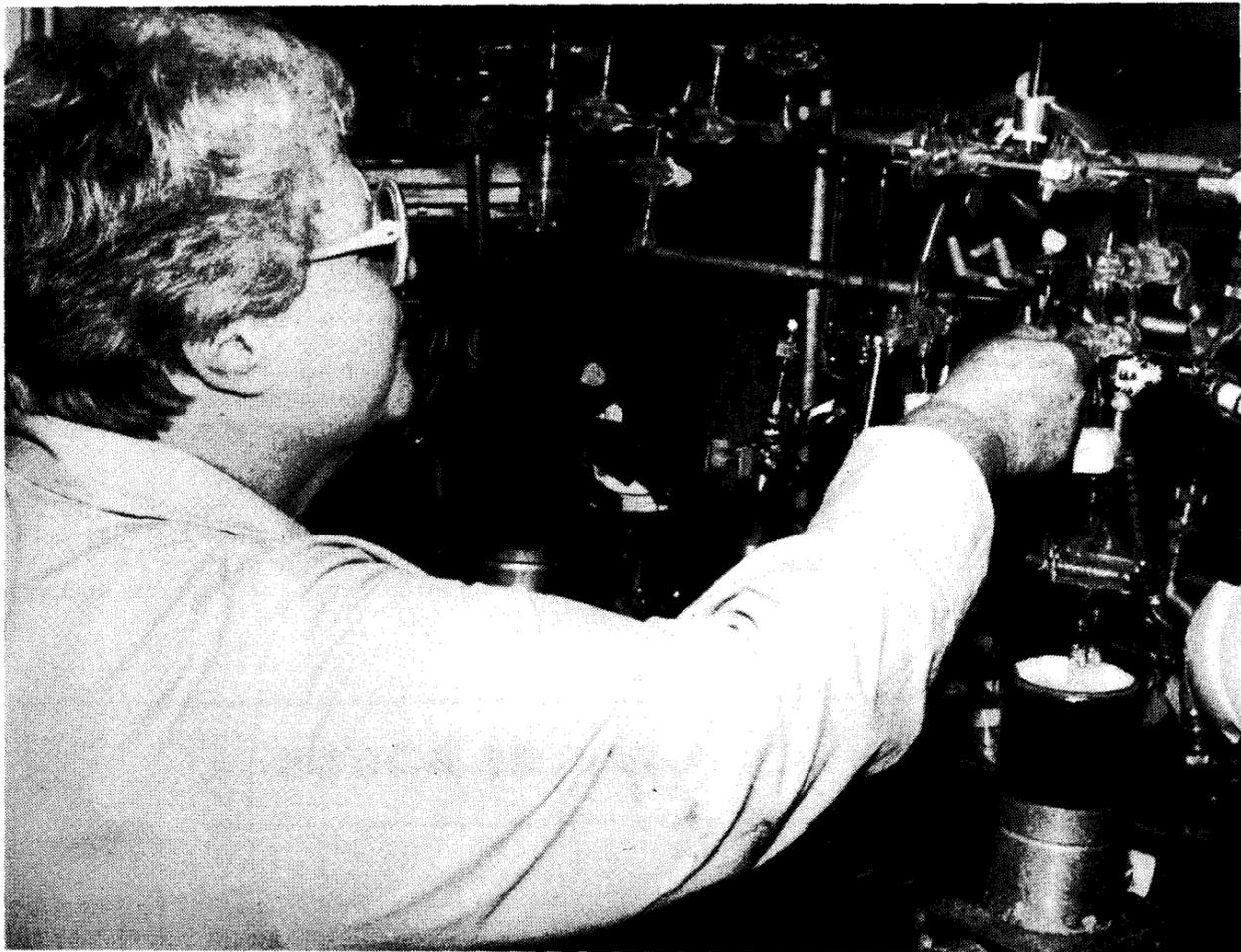
"What I want to get out of the summer program is an updating in modern optics because I haven't been in the research business for a while," Hawk says. "I've been entirely teaching for about the last 15 years so I'd like to do some optics research along with teaching."

Anne Roberts, a chemistry teacher at Huntsville High School, has been working with the chemistry group at research directorate since mid-June. "It's

given me a chance to get back in the lab and do some research chemistry I haven't done for many years," she says.

Roberts worked as a research biochemist in Atlanta some 25 years ago. She has been teaching chemistry at Huntsville High for 15 years.

"It's good for teachers to be learners again. It gives you a whole different perspective," Roberts says. "I know it's made me much more patient."



CHEMISTRY LAB—Anne Roberts, who teaches chemistry at Huntsville High, purifies a compound using a vacuum rack.

Summer program hires teachers of black colleges

About three positions are filled here each summer through the Historically Black College Faculty Referral Program.

Now in its fourth year, the program Army-wide seeks to place more than 100 college teachers in vacation and part-time positions.

"It's an annual program that is endorsed by the Department of Army to provide summer employment to faculty members of historically black colleges in areas such as engineering, sciences, physics, mathematics and other career programs," said Ted Acklin, chief of the special recruitment branch of civilian personnel's recruitment and placement division.

Three people were hired here under the program this year, four last year and two were hired in 1982.

"The intent of the program is to allow faculty members of historically black colleges to intertwine theory with work," Acklin said, "to increase the awareness of faculty members (by) allowing them to work in closely related fields in which they instruct."

Competition for the summer jobs is usually stiff. Being hired would mean extra income for the faculty members so the number of applications usually exceeds the number of positions. Copies of the program announcement are given to the college placement offices at Alabama A&M University and Oakwood College.

Faculty members and their colleges are not the only ones who benefit from the program, according to Acklin. "We get productivity in terms of accomplishing workloads that are usually created during the summer months due to heavy vacation leave of employees," he said. "It also allows the command to establish a rapport with the historically black colleges

via faculty members."

In addition the program can bring in people with specialized training and knowledge. "In past experience we have hired individuals from Alabama A&M who are engaged in research projects that are federally sponsored and again we have the technical expertise being brought to the arsenal which serves to the command's advantage," Acklin said.

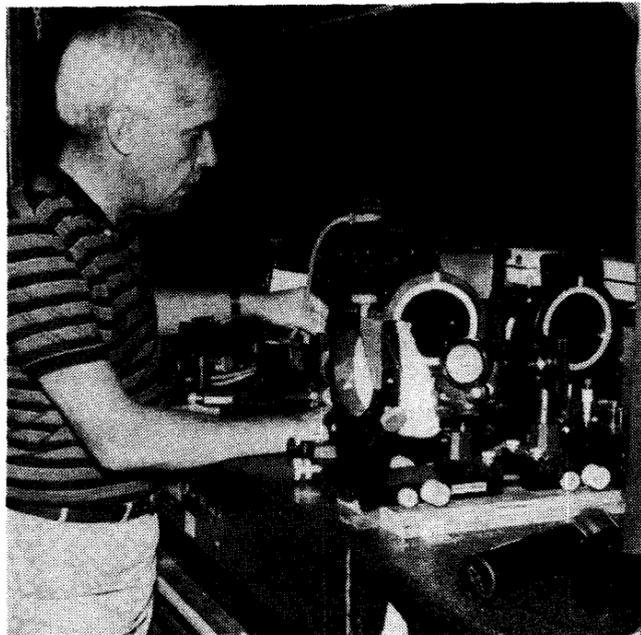
Wickham sends voting reminder

WASHINGTON—Soldiers will receive a personal message from the Army Chief of Staff in August urging that they exercise their right to vote.

Through the message, the Army hopes to encourage early registration so soldiers will qualify to vote in the presidential election. The finance and accounting office will deliver the message with August leave and earnings statements.

The message is:

"The right to vote is one of our most cherished civil liberties. On Nov. 6 we and our families, by exercising this right, will help elect the next president of the United States. We will also help elect over 500,000 public officials at the federal, state and local level. The Secretary of the Army and I strongly encourage you to vote. By voting we fulfill our obligation as citizens of this great nation and express our opinions on the issues and the candidates in a meaningful way. For assistance, see your voting officer." (Arnews)



OPTICS RESEARCH—Jim Hawk, a faculty member from the University of Alabama in Birmingham, aligns the optical system for making matched filters.

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Thinking about buying land? Know the facts before you sign

BY CAPT. LONNIE N. GROOT
Legal Assistance Office

Just about everyone wants to own a piece of land to call their very own. As we become more and more of an urban society that little piece of land in the mountains, at the beach or on the lake looks so very attractive. But, consumer beware!

Interstate land sales is a multibillion dollar business and although there are many honest land sellers, the reverse is also true. Many land sharks and ruthless dealers are taking advantage of consumers like you. Let's explore the sea of land sales and, hopefully, prevent you from buying a headache instead of a retreat from the headaches of day-to-day pressures.

A 1968 Federal law requires interstate land marketers to provide all the information necessary for buyers to make an educated, knowledgeable, and unhurried decision whether or not to buy real estate. Before you sign a land sales agreement, a contract, or a check you should know your rights, know about the land developer, know the facts about the real estate you're considering, and know what you're going to do in the face high pressure sales tactics.

Your rights

If a developer is selling 100 or more unimproved lots, a property report must be filed in Washington under sworn oath disclosing:

- The company's financial statement
- Information on the land (deeds, title opinions)
- Information on schools, hospitals, etc., available in the area
- Information on availability of utilities and water and plans for sewage disposal

- Development plans for streets and recreational facilities, and
- Supporting documents such as maps, plots, and letters from utility companies

This report must be provided to a prospective buyer prior to the signing of a purchase agreement. The U.S. Department of Housing and Urban Development will provide reports for \$2.50 (Write HUD/OILSR, 451 Seventh Street, SW, Washington, D.C. 20410). Don't sign anything (particularly a statement saying you've received a report) until you've fully read the property report. If you didn't receive a report before you signed a contract, you may cancel the contract within two years of signing it.

Cooling off rights

Buyers in interstate real estate transactions also have a seven day cooling off period in which they can cancel a sale for any reason. If proper assurances are not provided in the contract for the buyer to obtain good title, the buyer may cancel the contract within two years of its signing. Remember, these provisions of law, and many other more technical provisions allowing cancellation by the consumer, apply only to land sales falling within Federal jurisdiction as prescribed by statute. It never hurts to have an attorney review your contract before you sign on the dotted line.

Know the seller

The most important thing to remember about buying recreational land is know your seller. Land sale promotions are oftentimes high pressure events. Whether you are contacted by phone, telephone, pro-

motional letter or whatever, you should make it your first priority in considering a purchase to know who the developer is, what his track record is, and what type of sale he has in mind.

For example, Florida once had a large problem with financially unstable real estate developers selling recreational and retirement lots by the means of so-called "wrap around mortgages" and land sales agreements. The developers would finance the purchase of a large tract of land with a bank. The developer would then subdivide the tract and sell the lots to unwitting purchasers (often sight unseen) making a bunch of promises concerning future swimming pools, golf courses, roads, marinas, and everything else that would create a vision of luxury. The type of contract used, the land sales agreement, would provide that a deed would be given to the buyer when the last payment on the property was made. Problems arose when the developer, for whatever reason, defaulted and the bank repossessed the land leaving buyers out in the cold. Some buyers had paid 71 of 72 payments only to see all 71 payments go for naught because they never received their deed.

Caution

Land purchase represents a major investment for a consumer. Its not a time to sign your name without careful thought and legal review. Your legal assistance office offers its services as this major economic decision is made.



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Small companies do missile research and development

The Missile Command awarded slightly more than \$300,000 worth of contracts to six companies in July under a special program to involve small business in research and development for national defense.

The six companies will work on missile research and development projects that were designated for the SBIR (small business innovation research) program.

SBIR is a program begun in 1983 to reap the benefits of involving small business in research and development work for the Army, Navy, Air Force, Defense Nuclear Agency and Defense Advanced Research Projects Agency.

Stimulating technological innovation in the private sector is one of the programs stated objectives. Others are strengthening the role of small business in meeting the Defense Department's research and development needs, fostering and encouraging participation by minority and disadvantaged persons in technological innovation, and increasing the commercial application of Defense-supported research and development results.

Under SBIR, the Department of Defense publishes annually a solicitation listing research and development projects that small business can bid on.

"Prior to release of the solicitation they come to MICOM and all the other agencies and request topics and we include topics in which we need research. It's published in a book that's quite thick — all the agencies are in there and all the topics they want included. Then the little fellows out there submit their proposals. It's strictly limited to small business," said Naomi Shankle, SBIR contracting officer in Procurement and Production Directorate.

SBIR is a five-year program now in its second year. This year 41 small businesses submitted proposals to the Missile Command but only six were awarded contracts. "More than that were technically acceptable but due to funding constraints we were only able to

award six," Shankle said. The awards were made to firms given the highest technical rating by an evaluation panel in Army Missile Laboratory, she added.

Shankle said SBIR is a new element in a broad program at the Missile Command to help small business. "It's a special program in addition to the normal small business program we implement all the time," she explained. "This command has certain goals to meet each year for awards to small business and we try to meet those goals," she said. "In fact, every (procurement) action we get is screened." They are screened by Missile Command representatives and a local representative of the Atlanta office of the Small Business Administration to see if the work lends itself to performance by small business.

Shankle says contract specialist Montana Pynndell does "an excellent job" of looking after the special needs of SBIR contractors and answering their queries. "We work closely with the contractors and

give them a lot of help because some have never done business with the government before", Shankle said. "It sometimes takes a lot of explaining, leading, driving, whatever."

The six SBIR contracts awarded last month totaled \$303,513.25. Receiving contracts were Sparta Inc. of McLean, Va. for an "expert system for planning optimal message routes"; Optelecom Inc. of Gaithersburg, Md. for "winding methodologies for long range fiber optics guidance transmission"; Charles River Analytics Inc. of Cambridge, Mass. for "Flow-field passive ranging for tactical missile guidance"; Applied Research Inc. of Huntsville Ala. for an "infrared image processor"; Dynamics Technology Inc. of Torrance, Calif. for "passive ranging algorithms"; and American Technical Services Inc. of Solana Beach, Calif. for "pursuit engagement methodology study".

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SALE DATES

August 4-25, 1984

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Photo Processing Center. Hurry, this offer is good only for orders submitted within the sale dates!

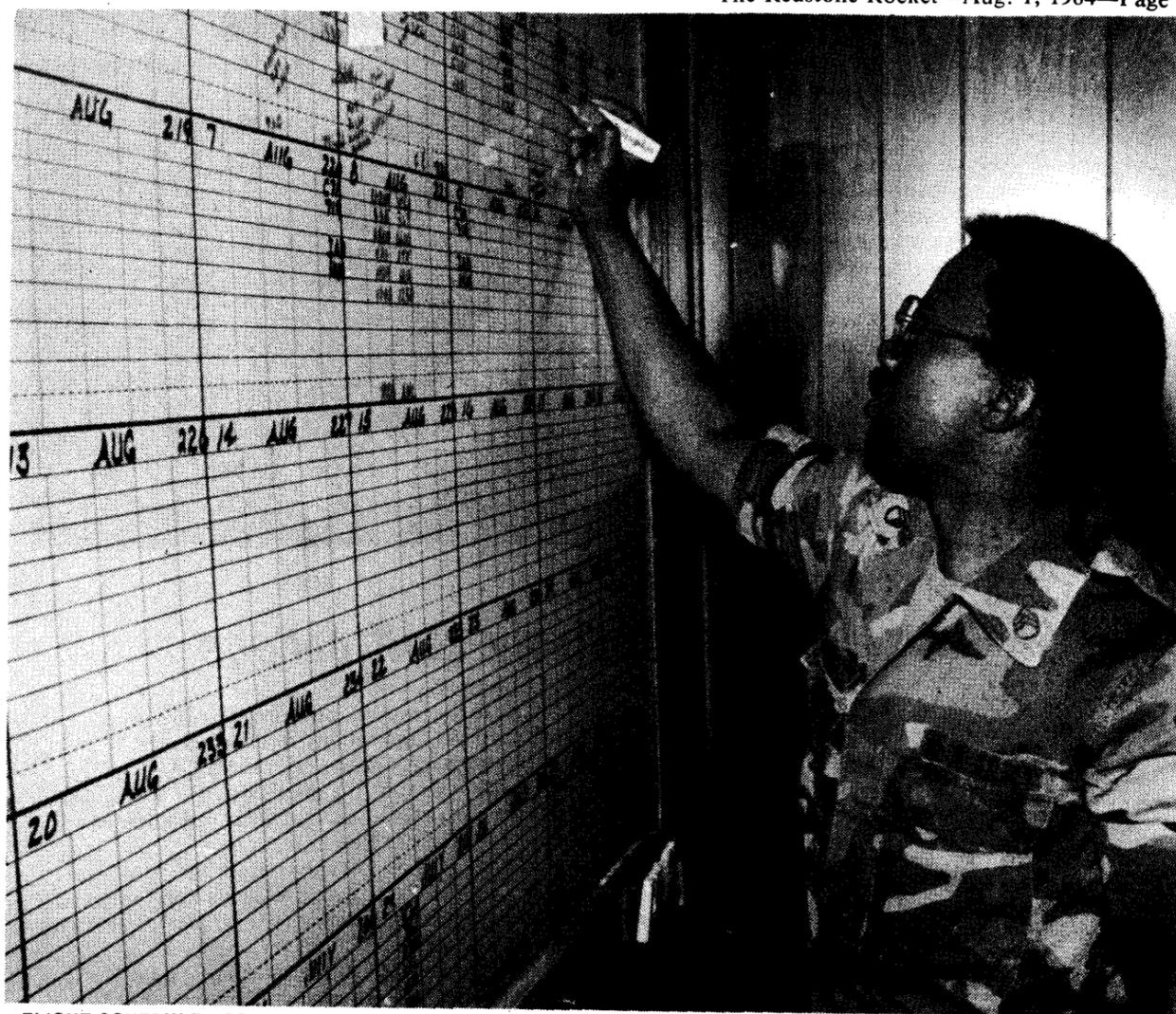
magnaprint³⁵
 service

NASA chamber

(Cont'd from Page 1)

to ensure that the victim had medical help as soon as possible," Owens said.

Another diver, 35-year-old James Wempe, was flown into the Huntsville airport Saturday afternoon by Air Force KC-135 tanker and brought to the NASA chamber by ambulance. Like the other diver, he was treated for an air embolism and was reported doing fine, according to Dr. H.B. Elwell, a physician at NASA medical center. Wempe had been diving at Knoxville.



FLIGHT SCHEDULE—SSgt. James Owens, who schedules flights at the airfield, had to change his work schedule for a medical patient arrival last week.



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Army & Air Force Exchange Service



WEDNESDAY THRU TUESDAY 1 - 28 AUGUST 1984

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Pick up an entry blank and deposit it at the Sweepstakes Entry Box at your exchange. Each week a drawing will be held and a prize of a \$100 Shopping Spree will be given to a Lucky Winner. A \$500 Shopping Spree GRAND PRIZE will be given away at the end of the month. All coupons entered for all weekly shopping sprees will be used for the final end-of-the-month shopping spree.



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- And much more! . . . Come to Your Exchange to Take Advantage of These Savings!

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1 thru 28 August 1984

For 28 days you can double your savings on manufacturers' coupons clipped from newspapers, magazines, and those received in the mail. Example: A manufacturer's coupon worth 25¢ is worth 50¢, a 50¢ off coupon is worth \$1.00. This offer applies to manufacturers' cents off coupons only and does not apply to "free" coupons or local retail store coupons whether the manufacturer's name is mentioned or not. When double the coupon value exceeds the price of the item, the offer is limited to the retail price.

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New division engineer comes to Huntsville

A mechanical engineer with experience in military personnel administration has been selected to head the Huntsville Division of the U.S Army Corps of Engineers

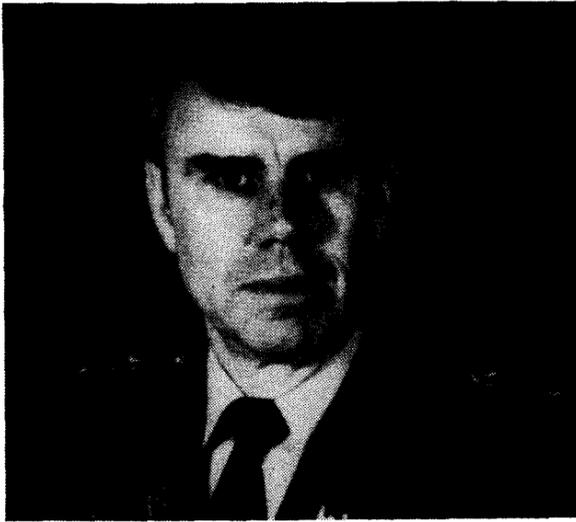
Col. R.E. Abbott assumed duties as Huntsville's division engineer today, replacing Col. John A. Potat Jr. who retired after nearly four years in the position.

In his new job Abbott heads a staff of 500 in Huntsville's Research Park that has a worldwide military construction mission.

His previous assignment was as deputy commander of the Corps of Engineers' Europe Division. Besides engineering positions, he has had assignments in personnel administration at the Military Personnel Center in Alexandria, Va. and elsewhere. Abbott has served overseas in Vietnam and Germany.

He is an Oregon native and has a bachelor's degree in mechanical engineering from Oregon State and a master's in that field from Arizona State.

Abbott, his wife Susan and children Charles and Carolyn will reside on Redstone Arsenal.



ABBOTT

First civilian selected for Army staff college

WASHINGTON—A research analyst from Fort Hood, Texas, has been selected as the first Army-sponsored civilian employee to attend the Army's Command and General Staff College at Fort Leavenworth, Kans.

Psychologist Richard A. Kass, Ph.D., a career civil servant, will join selected field-grade officers in the year-long service school known for producing seasoned military leaders through an intense curriculum of military history, strategy, leadership, and management.

Kass's selection is the result of an initiative by the Army to implement a systematic new approach to career development and training of key career program civilians. Kass will not only fully participate as a

student in the course, but also will review the curriculum for its applicability to the career development of Army managers at the GS 12 and GS 13 levels.

Kass serves with the methodology and analysis directorate in the training and doctrine combined arms test activity at Fort Hood.

Kass views the opportunity, a test under the Army's long-term training program for civilian personnel, as a means by which civilians in key positions "can get a lot closer to the military side of the house."

"I enjoy working with soldiers," said Kass, a former Marine officer and graduate of the Army's ranger school. "I can identify with a lot of their experiences. They are all energetic and trying to do a good job."

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Your Army Reenlistment NCO can give you all the facts about reenlistment. The benefits, the options, the opportunities of reenlisting in today's Army. You'll get complete information on your particular situation. And how you can keep a good soldier in the Army.

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Re-Enlistment Office
Building 3440

SFC Mitchell Starling
Phone 876-1869/6913

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\$54 TWIN...\$54 Ea. Pc. Ret. Value \$199.95
FULL.... 64 Ea. Pc. Ret. Value 249.95
QUEEN.. 74 Ea. Pc. Ret. Value 299.95
KING... 74 Ea. Pc. Ret. Value 399.95
TWIN EA. PC.

BED FRAMES

TWIN.....\$19.95 reg. \$59.95
FULL.....\$19.95 reg. \$59.95
QUEEN.....\$26.95 reg. \$69.95
KING.....\$34.95 reg. \$79.95

BACK REST II 25 Yr. Warranty

\$99 TWIN.....\$ 99 Ea. Pc. Ret. Value \$449.95
FULL..... 119 Ea. Pc. Ret. Value 549.95
QUEEN..... 139 Ea. Pc. Ret. Value 649.95
KING..... 129 Ea. Pc. Ret. Value 399.95
TWIN EA. PC.

SUPERIOR PEDIC 15 Yr. Warranty

\$64 TWIN..... \$64 Ea. Pc. Ret. Value \$299.95
FULL..... 79 Ea. Pc. Ret. Value 349.95
QUEEN..... 89 Ea. Pc. Ret. Value 499.95
KING..... 89 Ea. Pc. Ret. Value 599.95
TWIN EA. PC.

BACK REST III 30 Yr. Warranty

\$109 TWIN.....\$109 Ea. Pc. Ret. Value 549.95
FULL..... 129 Ea. Pc. Ret. Value 649.95
QUEEN..... 159 Ea. Pc. Ret. Value 749.95
KING..... 143 Ea. Pc. Ret. Value 899.95
TWIN EA. PC.

BACK REST I (ANNIVERSARY EDITION) 20 Yr. Warranty

\$79 TWIN.....\$ 79 Ea. Pc. Ret. Value \$349.95
FULL..... 99 Ea. Pc. Ret. Value 449.95
QUEEN..... 109 Ea. Pc. Ret. Value 549.95
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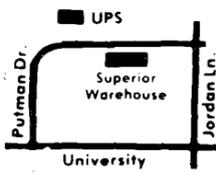
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Now your ETS is approaching, and you're wondering where your skill can take you. It doesn't have to take you out of the Army.

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If you'd like to continue to move up, reenlistment can put you on the path to advanced training and promotions.

If you reenlist in a shortage MOS, the promotions might come even faster.

Think you have senior leadership potential? The trained, experienced soldiers of today are the ones that become tomorrow's senior leaders. You could also find yourself teaching your skill to others.

Your Retention NCO can give you all the details. Talk to him today.

REENLIST. BE ALL YOU CAN BE.

Brig. Gen. Fox named BMD program manager

WASHINGTON, D.C.—Brig. Gen. Eugene Fox has been selected to succeed Maj. Gen. E.R. Heiberg III as the program manager of the Army's Ballistic Missile Defense program, it was announced here July 30.

Fox, who has been the deputy program manager-Huntsville since joining the BMD Organization one year ago, was nominated on July 19 for promotion to major general. As program manager he will direct the entire BMD program, which is responsible for developing technology and systems to counter the threat of strategic ballistic missiles being launched against the United States.

The Army's BMD Organization, with major elements in Washington, in Huntsville and in the Marshall Islands of the central Pacific Ocean, is a key contributor to the Strategic Defense initiative, the United

States research program to develop sound technical options in support of decisions on whether to proceed with development of an effective defense against ballistic missiles.

Heiberg, who has been program manager since May 1983, has been nominated for promotion to lieutenant general and is to become the Army's next chief of engineers.

There has been no announcement of a successor to Fox as deputy program manager-Huntsville, a position from which he has also served as commander of the subordinate BMD Systems Command.

A veteran of 28 years of Army service, Fox is a West Point graduate and earned a master's degree in aerospace engineering from the University of Arizona.

He is a native of New York City, is married and has three sons and a daughter.

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*Hair Weaving *Press & Curl
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Columbia College

REDSTONE ARSENAL CENTER

Session IV, 1984



August 13 Thru
October 6

FALL SESSION

COURSE NO.	COURSE TITLE	INSTRUCTOR	PREREQUISITE	DAYS	TIME
BUS 150	Introduction to Business	Smalley	None	MW	5:00-7:30
PSY 395	Adult Psychology	May	PSY 101 or Instr. perm	MW	5:00-7:30
GOVT 340	Judicial Process	Traylor	None	MW	5:00-7:30
CS 110	Computer Literacy/Basic(lab fee)	Jones	None	MW	5:00-7:30
ENG 104	*Developmental English (tuition free course)	Yates	None	MW	5:00-7:30
BUS 384	Cost Accounting	Smalley	BUS 280 or 281	MW	7:30-10:00
PSY 360	Social Psychology	May	PSY 101 or Instr. perm	MW	7:30-10:00
ENG 111	English Composition I	Yates	None	MW	7:30-10:00
PHIL 201	Introduction to Philosophy	Malmquist	None	MW	7:30-10:00
CS 273	Systems Analysis II (lab fee)	Jones	CS 271	MW	7:30-10:00
BUS 393	Management Information Systems	Thomas	BUS 150	TT	5:00-7:30
SOC 401	The American Community	Bill	SOC 11 or Instr. perm.	TT	5:00-7:30
MA 170	Finite Mathematics	Patty	MA 150	TT	5:00-7:30
BUS 280	Accounting I	Jacobs	BUS 150 or Instr. perm	TT	5:00-7:30
BUS 362	Organizational Behavior	Foster	BUS 150	TT	7:30-10:00
MA 250	Statistics	Patty	MA 150 or Instr. perm.	TT	7:30-10:00
CJ 311	Police	Moon	CJ 111	TT	7:30-10:00
CS 190	Introduction to Data Processing	Thomas	None	TT	7:30-10:00
ENG 112	English Composition II	Mills	ENG 11	TT	7:30-10:00

ACADEMIC CALENDAR—SESSION IV AUGUST 13 THRU OCTOBER 6, 1984 FALL SESSION

Registration Begins	July 9
Classes Begin	August 13
Late Registration	August 21
Tuition Assistance Form Deadline	August 21
Last Day To Drop Without Financial Penalty	August 24
Classes End	October 6

Classes are opened to ACTIVE DUTY MILITARY, THEIR DEPENDENTS AND CIVILIANS employed on Redstone Arsenal. The Columbia College office is located in BLDG. 3222, Army Education Center. Office Hours 8:30-4:30 Monday Thru Friday.

PHONES: 881-6181 Or 876-4851 Counseling and registration are available on a walk-in basis.

*ENG 104 Developmental English is a tuition free course and students receive three semester elective hours for the course. First come first served basis.

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All Classes Are Held In The Army Education Center—Bldg. 3222

COLUMBIA COLLEGE

Redstone Arsenal Center

ANNOUNCEMENTS

Infantry marathon

The second annual U.S. Army Infantry marathon and half-marathon will be held Saturday, January 26 at Fort Benning, Ga. Entry fees are \$10 per person. For more information call Capt. Robert Borja (404) 544-7149/6461/6114 or Autovon 784-7149/6461/6114; or write him at P.O. Box 1817, Fort Benning, Ga. 31905.

Recreation Center

Tonight - Yahtzee at 7 p.m. Thursday - Bingo at 8:30 p.m. Friday Uno at 7 p.m. Saturday - Checkers at 2 p.m. Sunday - Trip to Braves vs. Giants game at 7:30 a.m. (cost \$9.50) and "Fantasy" show at 7 p.m. Monday - Trivia quiz and refreshments at 7 p.m. Tuesday - Pool at 7 p.m.

Learning resource center

A course in "Building Credibility and Authority in Organizations" is offered at the Learning Resource Center. It will examine five areas of managerial concern. These include authenticity, types of management, credibility, managing change/innovation, and productivity improvement programs. For more information call the LRC 876-1061/1416.

College fall term

The Education Center on post provides the following fall term college schedules: UAH, term dates Sept. 6- Nov. 21, register Sept. 4; Columbia, term dates Aug. 13- Oct. 6, register now; Calhoun, Aug. 29- Nov. 16, register Aug. 8; Athens State, Sept. 4- Nov. 23, register Aug. 30; FIT, Oct. 9- Dec. 21, register Oct. 1; A&M Univ., Sept. 4- Dec. 14, register Aug. 20; and H'ville Voc/Tech, Sept. 10-Dec. 14, register Aug. 20.

Auto painting seminar

An auto painting seminar will be held at the Auto Crafts Shop, building 3617, at 6 p.m. Aug. 28. The limit is 35 students. For details and registration, call the shop 883-2502.

Found property

A 12-speed boys bicycle, red "Huffy Wind Sprint," has been found, according to military police. To identify and claim the property, owners may contact the investigations division, ATTN: DRSMI-CE, building 3649, telephone 876-2090/3449.

Hunting season volunteers

The Outdoor Recreation Center will be taking applications Aug. 1-15 for volunteers for the 1984-85 hunting season. For more information call Bob Redding 876-4868.

Funds for family

The Army and Air Force Exchange Service has announced special "Funds for the Family" promotions to salute the military family. Two sales, a sweepstakes and a double coupon redemption are planned for August. AAFES exchanges worldwide will award local sweepstakes winners a \$100 shopping spree each week. At the end of August, a \$500 shopping spree will be held. Exchanges will also be doubling the value of all coupons with a face value of \$1 or less.

Commissary hours

Commissary store hours on Wednesdays will change for a 60-day trial period starting Aug. 1. The new Wednesday hours will be 10 a.m. to 7 p.m. at the request of the Commissary Advisory Council. The rest of the store schedule remains the same: 9 a.m. to 6 p.m., Tuesday, Thursday and Friday and 9 a.m. to 4 p.m. Saturday; closed Sunday and Monday.

Catholic women

The Catholic Women of the Chapel will meet for Mass on August 3 at 9 a.m. at Bicentennial Chapel.

Overeaters

A non-profit Overeaters Anonymous mutual support group meets each Friday at 7 p.m. at Fox Hospital. Overeaters Anonymous has six support groups in Huntsville. For more information call 532-7013.

Marriage enrichment

Group sessions on marriage enrichment will begin soon at the Family Services Center in Huntsville. For information call 539-5717.

Carpool Hotline



Call 876-1500 to place your free carpool ad

Athens

Carpool member wanted from Athens to 4488, hours 7-3:30. Gayle Kirby 876-3768.

Columbia

Carpool member wanted from Columbia, Tenn. to 3623 area, hours flexible. Ken Taylor 876-3046.

Blood drive winners

Winners of the May blood drive were: 1-50 category Office of the Chaplain, Barbara Filer coordinator; 51-100 category Air Defense Command and Control Project Office, Mary Strong coordinator; 101-150 category Advanced Sensors Directorate, Peggy Cook coordinator; 151-200 category Civilian Personnel Office, Teresa Davis coordinator; 201-400 category Finance and Accounting Division, Brenda Ellison coordinator; 401-over category Procurement and Production Directorate, Linda Gentle coordinator. Donna McVay is in charge of the blood program at Redstone Arsenal.



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...YOUR UNITED WAY

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Special ingredients used in cooking

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Across From Wal-Mart & Show Biz Pizza

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Barett Shoes

Women's designer and famous name brand styles...



YOU DON'T HAVE TO GIVE UP THE ARMY TO BECOME A CIVILIAN.

If you're eager to return to civilian life, but reluctant to give up your hard-earned rank and benefits, joining the Army Reserve can give you the best of both worlds.

If you join now, you'll enter the Army Reserve at your present rank. An E-4 with 3 years earns over \$1,660 a year part-time. Over \$2,000 if you're an E-6 with 6 years service.

You'll serve just one weekend a

month and two weeks a year, usually in the summer. And you'll have PX privileges, credit for retirement, and all other Army Reserve benefits.

Your worked hard to get where you are, so why not keep your rank and benefits in Reserve? For more information, contact your reenlistment NCO unit commander or in-service recruiter listed below.

everyday, \$13⁸⁸
every pair...

★ New styles arrive weekly!

★ Thousands of pairs of women's dress and casual styles in every store.

2 Huntsville stores:

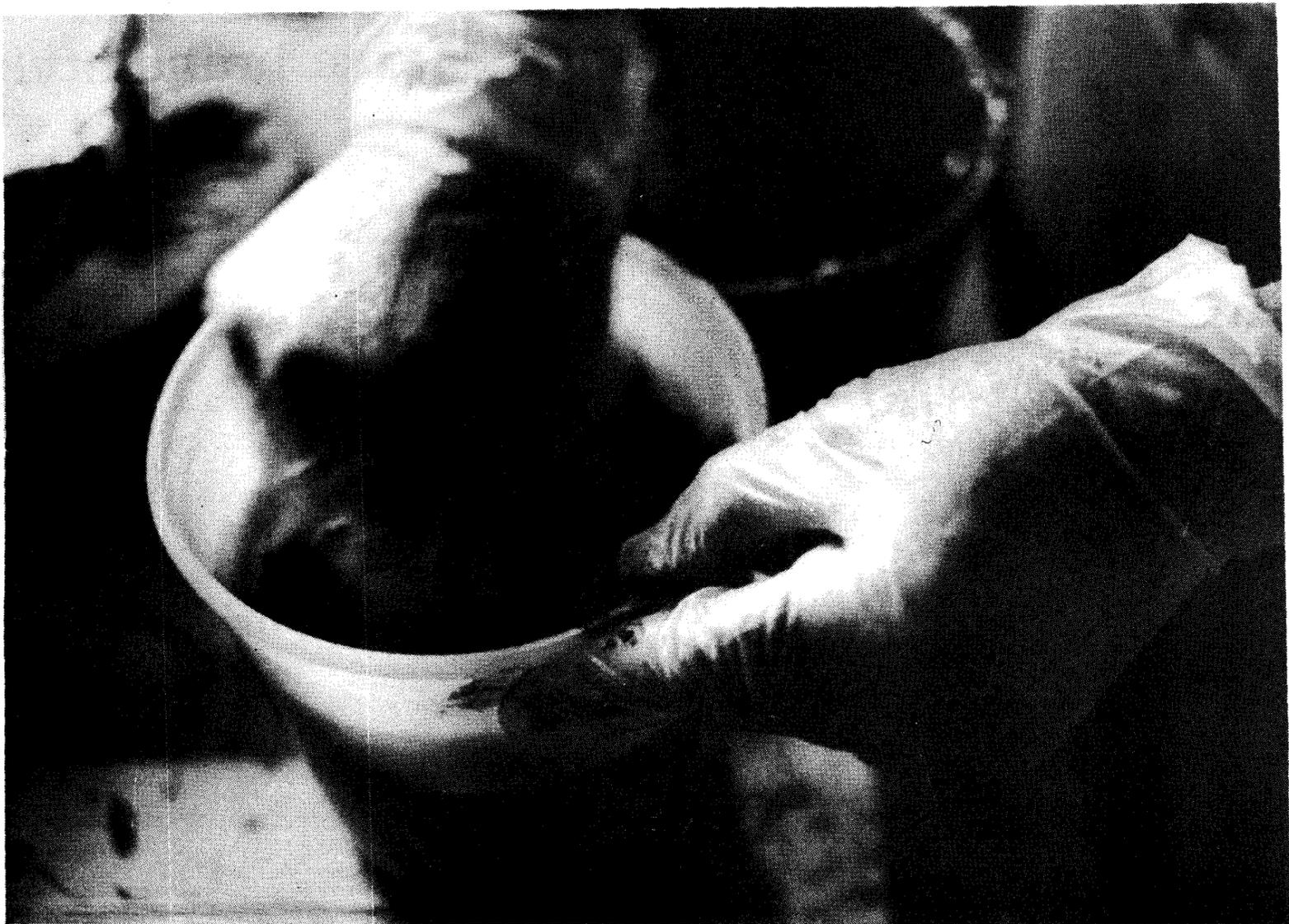
1. Madison Plaza
930 Old Monrovia Rd.
Huntsville

2. Oak Park Shopping Center
1407 N. Memorial Parkway
Huntsville





FACE PAINTER—R.M. |“Chief” Driver, plastic fabricator and painter, paints a face on a head to be used for bayonet practice.



MIXING—Worker mixes a plastic compound.



FACES IN CROWD—These training aids together could be called a quiet gathering.



POURING—Richard Owen, a plastic fabricator, slowly pours plastic compound into a prepared mold.

Students learn a lot from plastic missiles and bombs

BY CINDY WATSON

The weapons they build may be plastic and won't go "bang" but workers in the Training Aids Support Center at the missile school say soldiers learn a lot using their products.

"I think the Army now sees a better soldier coming from the experience some of these training aids can provide," said Van Hollis, a training aids machinist.

Hollis and a small crew at the support center's three buildings work with metal and plastic to fashion training aids as small and delicate as a transistor and as big as an 800 lb Russian bomb replica.

Virtually everyone who attends the missile school sees their products although these craftsmen feel many are not aware of the extent of the assistance the training aids section provides.

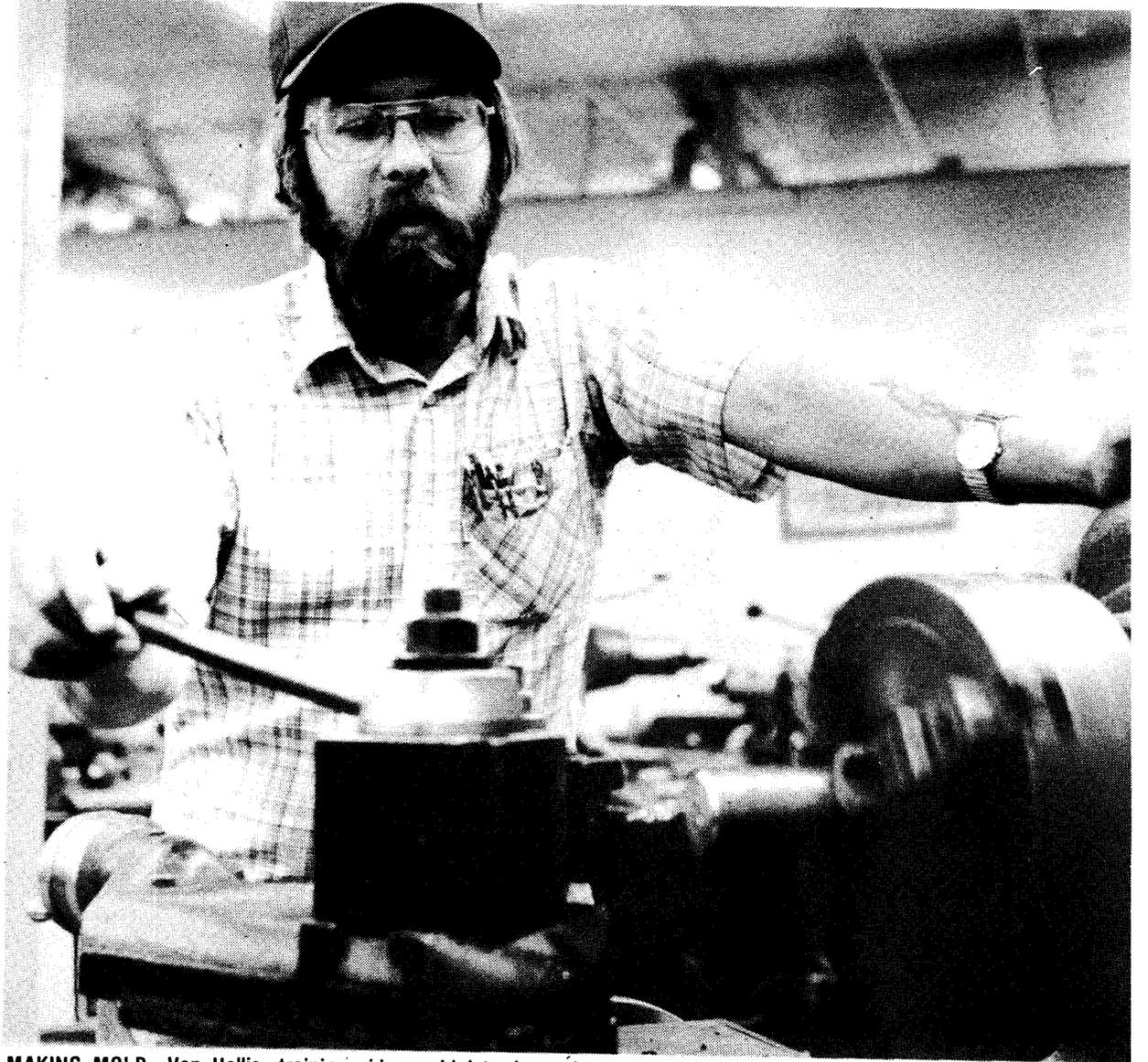
They make the cutaway display missiles and also the clear plastic weapons with moving parts used in classroom instruction.

"It's a challenge, not the same thing every day. Very interesting work," said Richard Owen, a plastics fabricator.

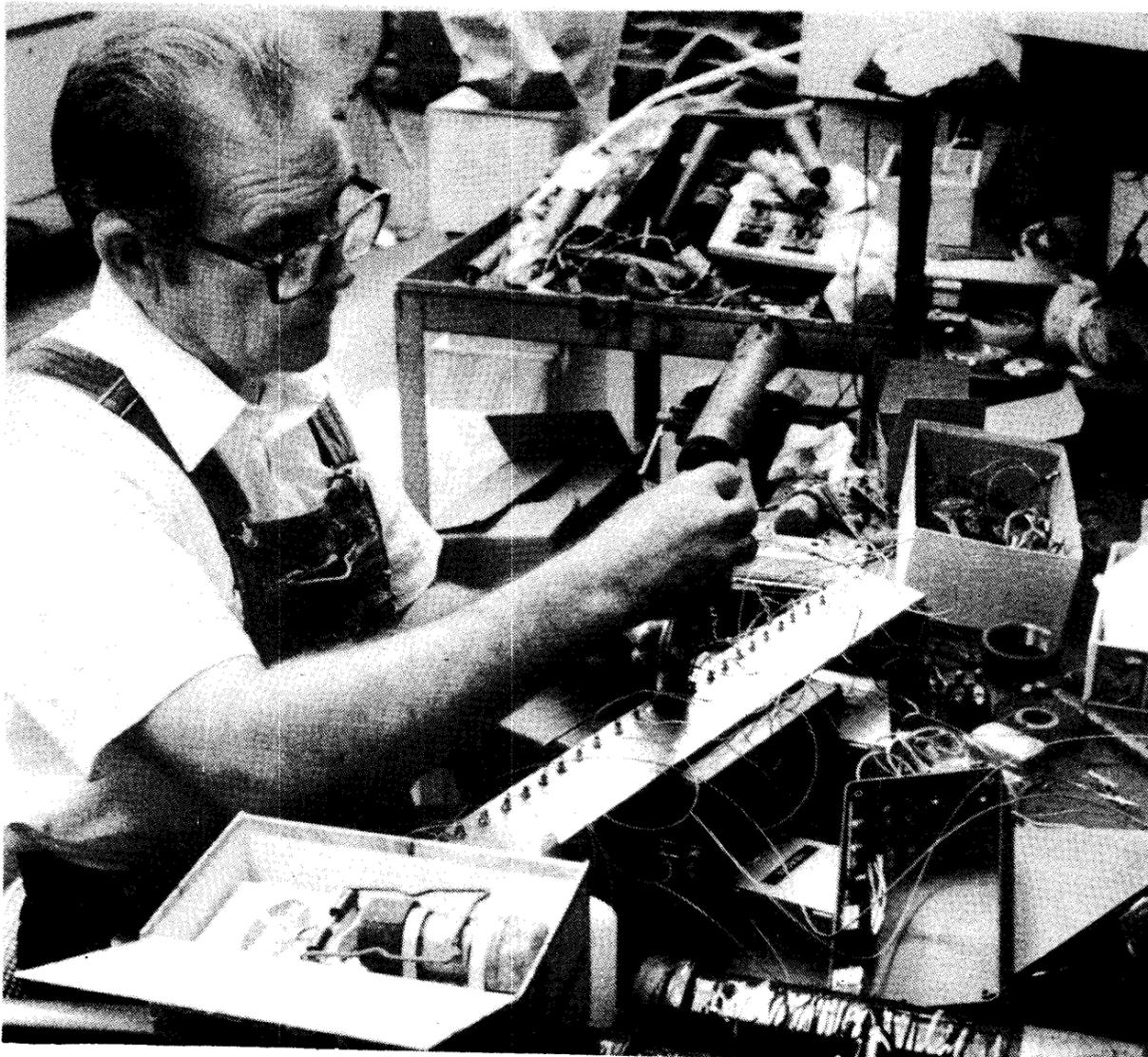
Plastic training aids are made in a vacuum oven that uses a combination of heat and air to form the plastic around a mold. A larger oven to be obtained soon will permit fabrication of larger training aids.

Time expended in making a mold is the most costly aspect of fabricating a training aid. If an original is not provided then workers must make a mold from a drawing. Training aids are made to scale by copying dimensions from a drawing or the original item.

Robert Heacox's section is responsible for perhaps the most unusual training aid made. This group uses dummy dynamite to fabricate "homemade" bombs used in FBI-sponsored bomb disposal classes taught at the missile school for civilian police officers.



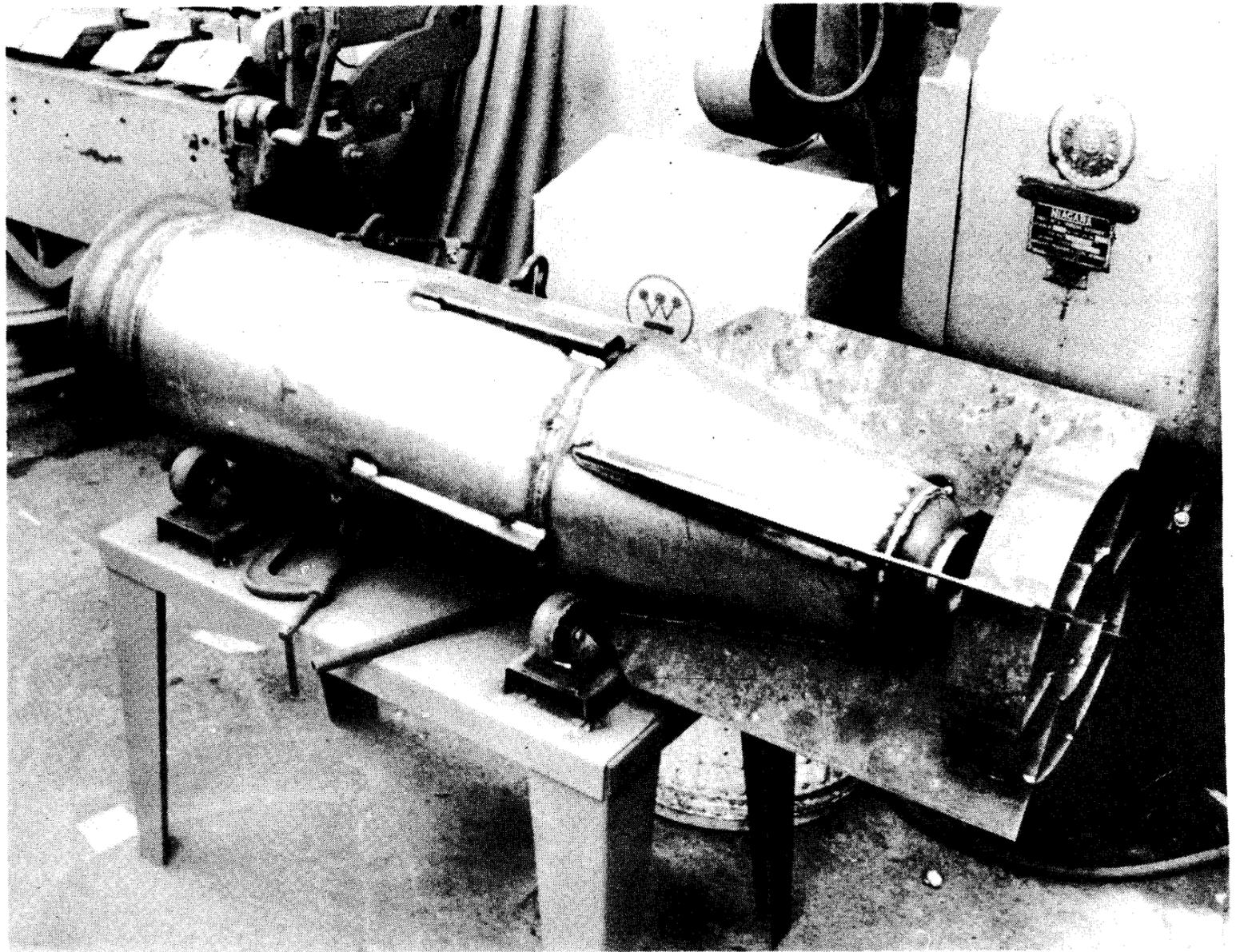
MAKING MOLD—Van Hollis, training aids machinist, shaves brass to make a mold for a training aid.



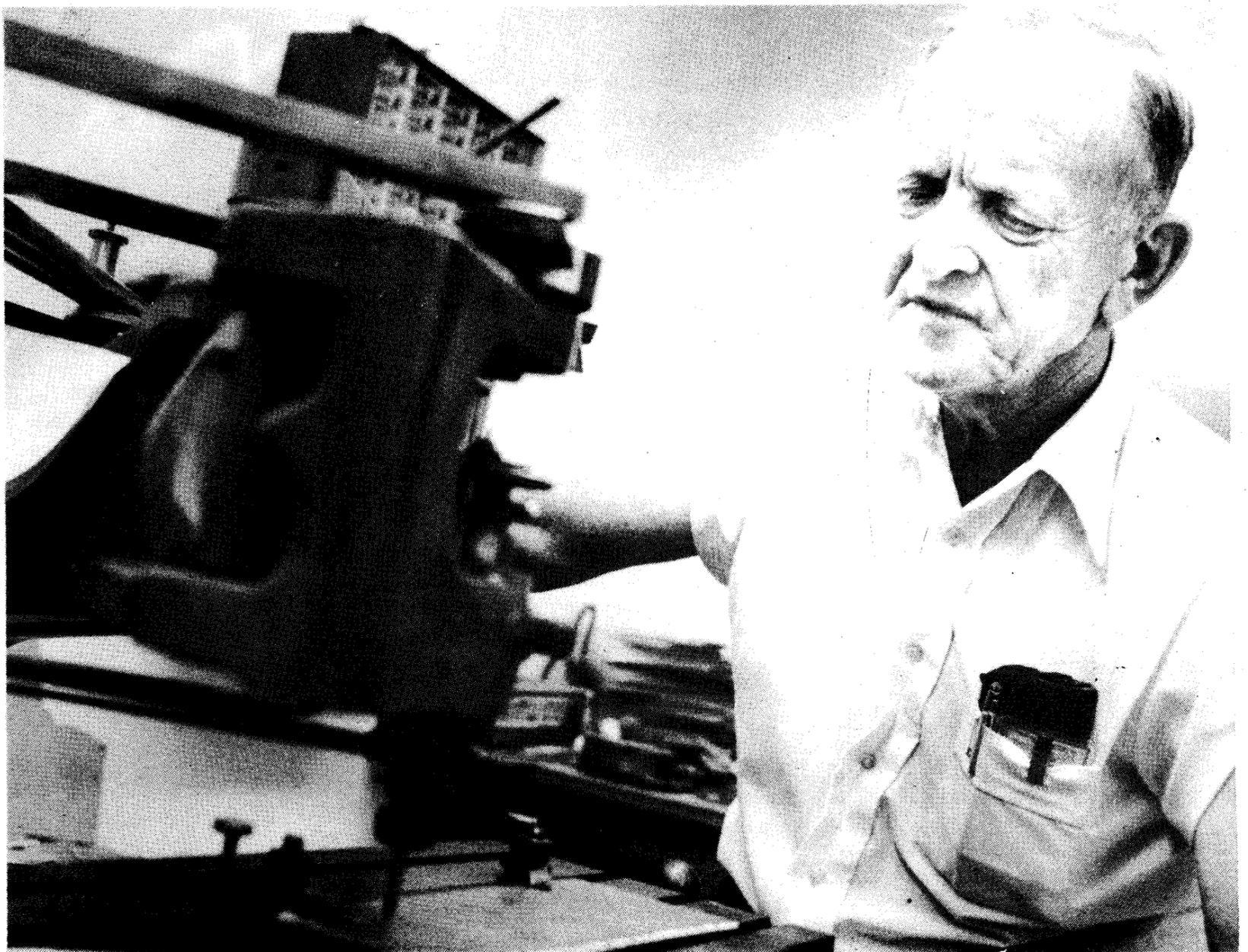
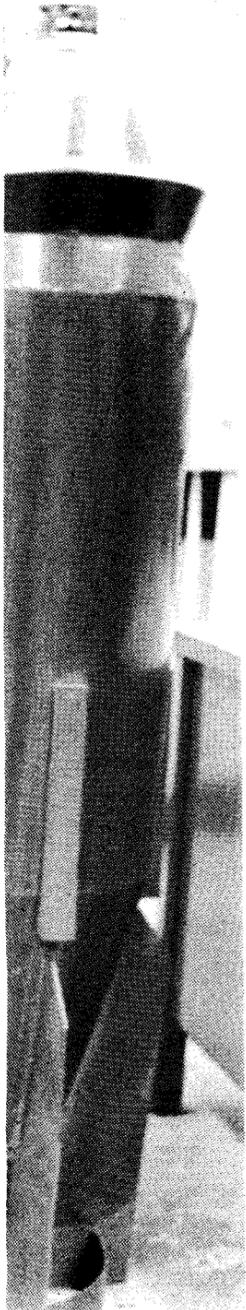
'HOMEMADE BOMBS'—Robert Heacox wires a dummy bomb for use by an FBI-sponsored bomb disposal class.



RUSSIAN BOMB—Randy Porter, plastic fabricator, compares training aid he and co-workers made.

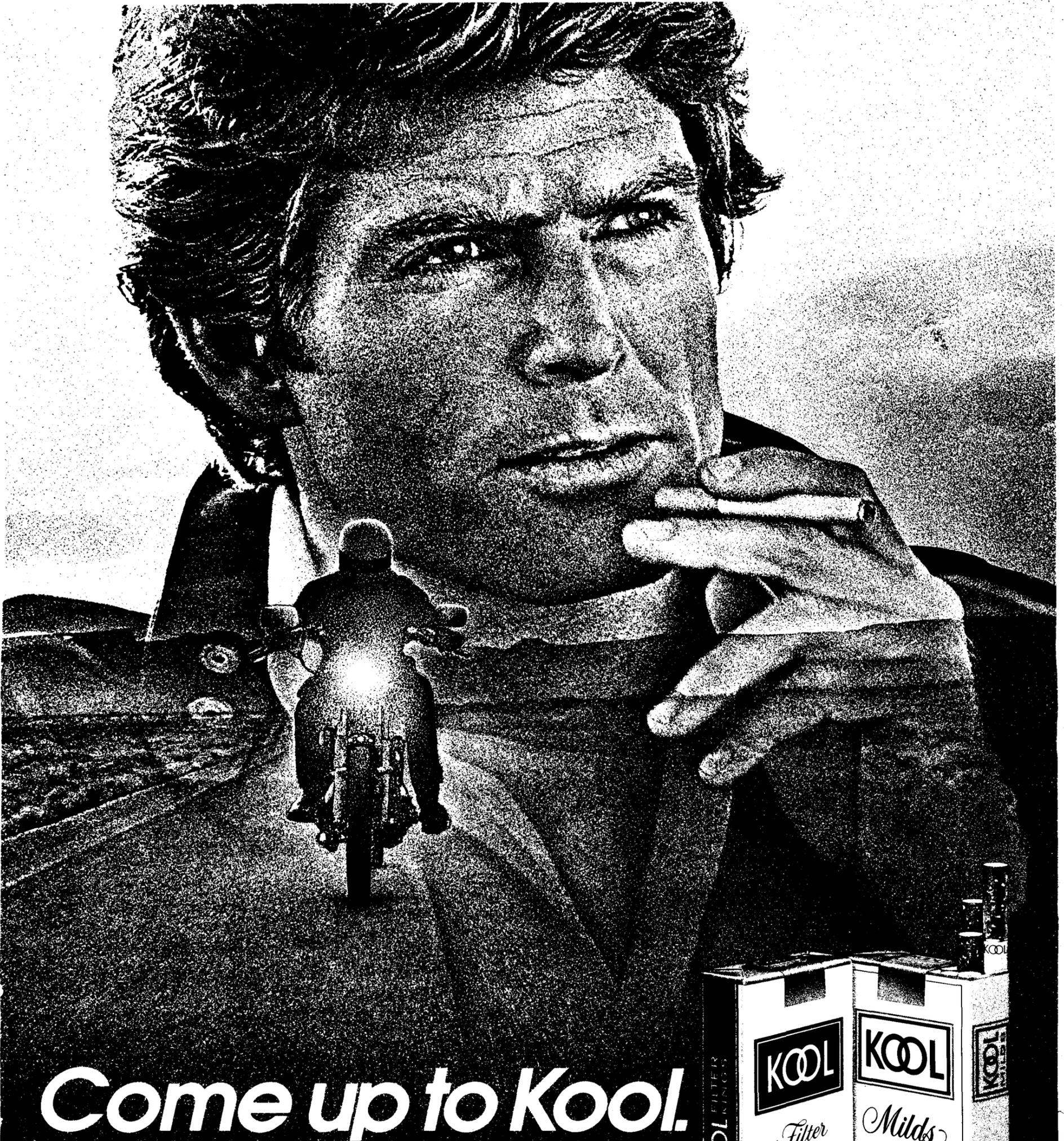


BOMB MOLD—A mold for a Russian bomb rests on a table in the training aids support center.



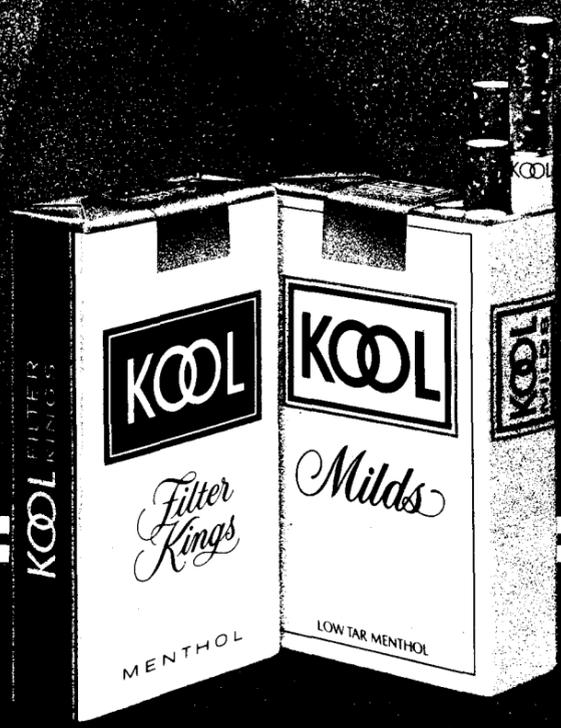
ENGRAVING—Grady Baugher engraves an office sign for the missile school.

mb mold with the train



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Army starts notification of positive drug tests

WASHINGTON—The Army has begun sending results of urine drug test reviews to soldiers whose initial tests were positive between April 27, 1982 and Nov. 1, 1983.

The Army is reviewing almost 100,000 positive results reported during that period.

Notification packets contain a letter, which states whether the results are legally supportable or not; a list of trail defense service office telephone numbers worldwide; and a copy of the form necessary to petition the Army Board for the Correction of Military Records for relief. The board will consider each case individually, and may grant relief to correct an error or right an injustice.

By notifying everyone, whether the results are sup-

portable or not, Army officials say they intend to make sure everyone concerned is treated fairly.

The bottom line, according to Maj. Donald L. Kerr of the Army's Alcohol and Drug Policy Office, remains accuracy and supportability. Problems that have surfaced involve some tests conducted before November 1983. But, "we're convinced the results of the tests performed since November are supportable," Kerr said.

April spot checks of all Army labs revealed more than 98 percent of the scientific test records and 99 percent of the chains of custody were supportable.

The actual work of notification is being done by the urinalysis records review team, a 19-member task force located at Fort Meade. Drawn from various com-

mands in the Washington, D.C. area, this team is responsible for making the link between data and names and mailing the letters. They expect to complete the process prior to Dec. 31.

"The cross-matching of Social Security numbers and names is a tremendous undertaking," Kerr explained. He added that several government agencies have offered to assist in locating persons who have left the Army.

Kerr said, however, that the effort required to repair problems from the past should not obscure future initiatives.

The Army has decided to double-check all positive urine samples using mass spectroscopy, a surgeon general initiative that should be fully implemented during fiscal 1985. Kerr said the Army plans to purchase 12 testing devices at a total cost of \$1 to \$1.2 million.

The sensitive mass spectroscopy test will let the Army confirm THC use at lower concentrations than with the gas liquid chromatography test.

Another initiative Kerr discussed is the Army's decision to gear back up to 800,000 tests annually, the number of tests that were being done prior to September 1983.

He added the Army will test all urine samples for THC and cocaine, and will spot test samples for other drugs. (Arnews)



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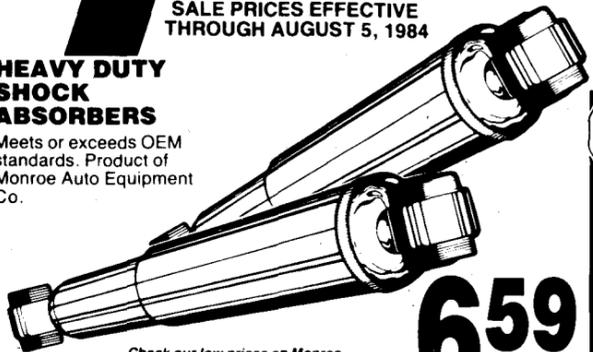
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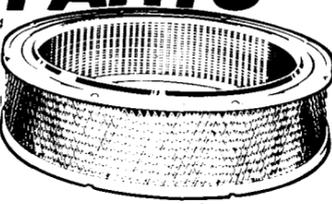


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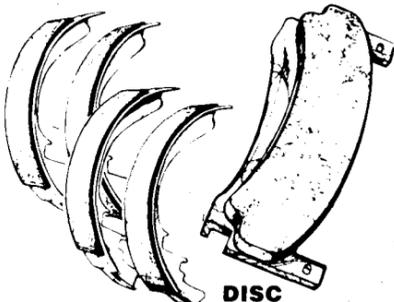
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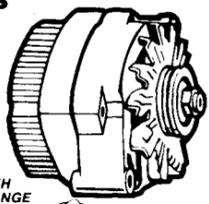
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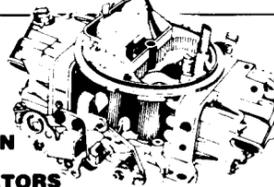
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Battle analysis course plans on-site study of Civil War conflicts in area

BY JEFF WATSON

The officers' battle analysis course at the missile school has always been taught in a classroom but plans are underway to let students do on-site analysis of Civil War battles that took place in the area.

In battle analysis, explained MMCS historian Dr. William T.T. Ward, the who, why, how and when of a conflict are examined.

Recently Ward and assistant historian Bill Stubno visited the Stones River battlefield near Murfreesboro, Tenn. in order to better understand the battle and the strategies involved there.

While less well known than some Civil War battles, Stones River is nevertheless considered important in its

own right. Considered a tactical draw and a conflict of wills, the battle pitted Union Gen. William Rosencrans against Confederate Gen. Braxton Bragg.

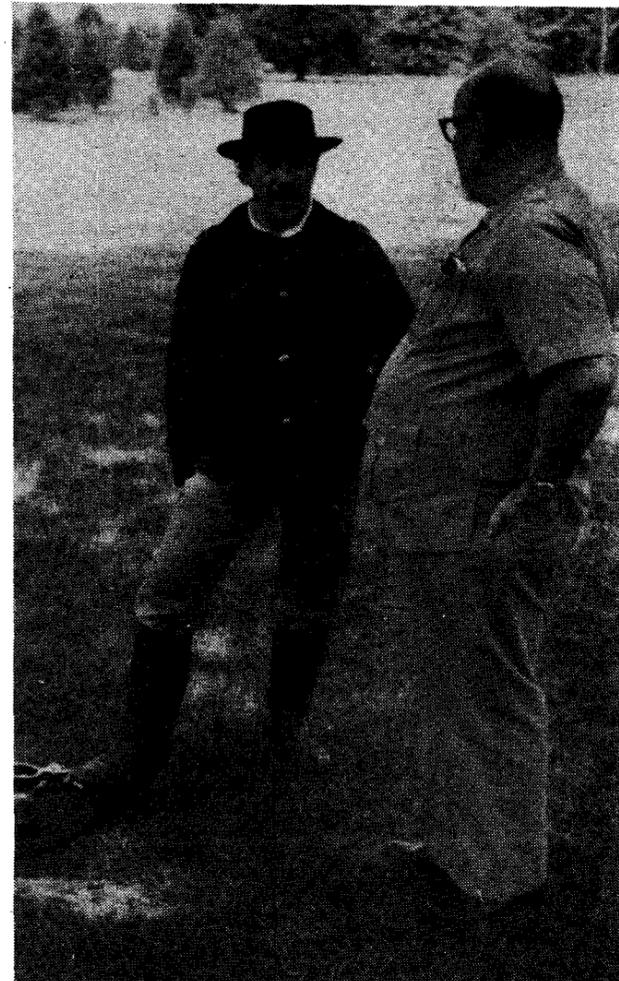
More than 23,000 troops on both sides were killed or wounded during three days of fierce fighting. Although both sides claimed victory, the Confederate withdrawal marked the beginning of the end for the Army of Tennessee and the Confederates.

Ward and Stubno plan to study several more Civil War battlefields, including Shiloh and Chickamauga, for possible inclusion in the battle analysis course.

The Stones River battlefield is about 70 miles north of Huntsville on highway 231 near Murfreesboro.



CANNON SHOT—A Civil War cannon is fired by "soldiers" at Stones River battlefield in a demonstration for historians at the missile school.



HISTORIANS TALK—Dr. William T. T. Ward, missile school historian, talks with Dan Brown, historian at Stones River, who is dressed as a Civil War-era soldier.

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SATURDAY, AUGUST 4

REGISTER TO WIN a \$500 Child's wardrobe in our Growing up area for kids. 10:00am-7:00pm. Drawing held following the 7:00pm live Encore performance.

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You'll find details of more giveaways and special events
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Military voters make a difference

Many military personnel may not feel that their votes count and fail to exercise their rights because of that feeling, but military voters helped choose the victor in a recent Texas primary runoff.

The Texas Republican party executive committee has reversed the results of the state's 6th congressional district runoff and declared Joe Barton the winner by 10 votes over Max Hoyt. Two votes in the winning margin were cast by military absentee voters.

During the runoff election on June 2, an election judge incorrectly decided not to count two military absentee ballots because he considered the voters ineligible. The decision was challenged and the two votes were counted, resulting in Barton winning the runoff by a one-vote margin. This prompted a recount and as it turned out, both military ballots figured in the 10 vote margin of victory for Barton.

On the same day Barton's victory was certified by the GOP, the Texas Democratic party executive committee certified Lloyd Doggett as its nominee to the U.S. Senate following a close primary and runoff election, both of which were recounted.

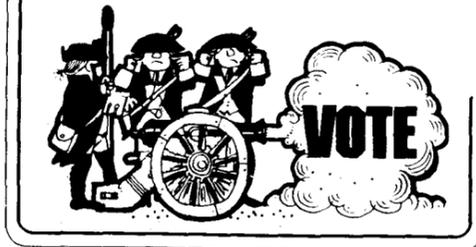
The Democratic Senate runoff was as close as the original race in which three candidates were separated by only a few hundred votes out of the 1.5 million cast. Election Administration Reports, a Washington-based newsletter, shows that Doggett led with 31.3 percent, followed by Kent Hance with 31.2 percent, and former congressman Bob Krueger with 31.1 percent. Krueger failed to pick up what he considered sufficient voters during a partial recount to qualify for the runoff, so he dropped out of the recount.

The final recount tally gave Doggett 491,251 to 489,906 for Hance—A margin of only 1,345 votes.

The Federal Voting Assistance Program, the office responsible for helping absentee voters exercise their right to vote, has been stressing the importance of each vote, and that one vote, as in this case, could decide an election. Close contests in several elections in the past have borne out this contention.

In addition to the general election on Nov. 6, every state has primary elections, and the FVAP urges all eligible military personnel and other U.S. citizens to vote this year.

SOUND OFF...



You can get the answer to any question you might have by contacting your unit voting assistance counselor or at any U.S. embassy or consulate, worldwide. If the answer is not available locally, write to: Director, Federal Voting Assistance Program, Office of the Secretary of Defense, RM1B457, Washington, D.C. Telephone inquiries may be made by calling Autovon 224-4928/4960 or commercial (202) 694-4928/4960.

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R.F.C.U.



PICNIC TREATS—CSM Gene Davis of 1st Battalion shares a potato chip with a little friend Michael Turner at the Company A picnic Friday. The family get-together featured softball and volleyball games, a break dancing show and a dunk tank in which Company A cadre took the plunge. Eighteen-month-old Michael Turner's father, Capt. John Turner, is Company A commander.

Training programs planned MEDDAC wins in tennis for Army family life

WASHINGTON—Plans are underway to set up training programs within the Army family action plan to help families adjust to Army life.

The program, described in the 1983 Army family white paper, is designed to teach Army families about the structure, resources and opportunities in the Army.

The programs are being organized at Army posts. (Arnews)

The Medical Activity team took top honors in an annual tennis tournament held here.

MEDDAC won the individual and team competitions followed by the HHC team that came in as runner-up in both. Trophies were awarded July 25.

Forty-two people, representing six units, participated in the tournament that is part of the Commander's Cup competition.



Engineers honored for Washington Monument

WASHINGTON—The 100th anniversary of the Washington Monument, started as a joint effort by private citizens and public officials, was recently celebrated with a tribute to the Army engineers who actually finished building it.

In a July 11 celebration on the national mall grounds, the National Society of Professional Engineers, also marking its 50th birthday, announced it would donate two new walkways as part of the National Park Service's planned monument grounds upgrading.

On hand for the tribute to the Corps of Engineers was Army Secretary John O. Marsh Jr., who characterized the monument as a symbolic repository of facts and figures on more than 100 years of the nation's history.

He recounted the delays in construction, the political aspects of marshalling public support of the project, and the heightened sense of national unity and harmony as reflected by the implanting of state-selected commemorative stones.

Visiting the monument "is an experience to be shared by all generations of Americans," said Army engineers chief Lt. Gen. Joseph K. Bratton, who directed the audience to a special exhibit depicting the corps' role in construction.

The exhibit, titled "Washington—The Man and the Monument," traces the obelisk's evolution through historical-period graphics, rare photographs, and reproductions of original engineer drawings. It is being housed for public viewing at the corps' headquarters in Washington.

The monument's construction represents only one of numerous other Washington landmarks erected by Corps of Engineers which include the Pentagon.

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Soldier receives medal posthumously

The wife of a soldier killed in a boating accident was presented a meritorious service medal in his honor on Monday.

Deborah B. Cowan accepted the medal that was posthumously awarded to her husband SFC Grant M. Cowan who died April 28. Cowan and another soldier, SSgt. Leon Jensen, drowned in Guntersville Lake after going to the lake to participate in a fishing tournament.

Cowan had been assigned to the missile school since

December 1976. He served as an instructor and NCOIC of chemical training and McKinley Range and also as an evaluator of the test given to explosive ordnance department personnel.

His "extraordinary success" as a noncommissioned officer in charge of several sections of the EOD division led to the posthumous honor.

"His great leadership and performance has brought a great credit upon his memory and upon MMCS," according to Army officials.

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<p>.59 Pin Striping Customize your car with Auto Shack. 1/4" & 1/8"</p>	<p>\$5 OFF Motorcycle Batteries Dependable starting power at an Auto Shack price.</p>	<p>29.66 Floor Jack Professional quality. 2 ton capacity. 15 1/2" lifting height.</p>	<p>2.88 after rebate Minute Wax A Turtle Wax shine in less than 15 minutes. #T-15, #T-16, T-17. Auto Shack's price 3.88 less 1.00 mail-in rebate.</p>	

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Stallions continue winning ways in civilian softball

BY SANDRA RECIO

The Stallions resumed their winning ways by smashing CPO 22-3 in a rain-shortened week in the civilian softball league.

In other games Rachels picked up two wins by crushing Pershing 26-4 and beating COE 20-6. RADs defeated F&A 13-5 while the Cougars slipped past SIO 10-7. MIA romped over P&P 26-6. T&E beat Thiokol 7-5 and then whipped SIO 20-7. Dr. Zoom collected two wins by bashing MLC 15-5 and cruising past the Express 15-6. F&A defeated Thiokol 19-13 while Pershing nipped CPO 8-5.

The Stallions were led by Jim Chiarizio who went three for three with five runs batted in, Mike McColpin who went three for three with three RBI, Rick Hedrick who had four hits and by Gary Payne, Art Snow and Jerry Williams who each had three hits. CPO was led by Brooks Woerner who went two for two. Chiarizio was the winning pitcher.

In Rachels' win over Pershing, Terry Anderson blasted two home runs, Calvin Harris added a homer while teammates Cleo McWhorter, Doyle Choate and Gary Belue each got four hits. Ronnie Walton was the winning pitcher. Rachels later defeated COE as Anderson and Kenneth Smith each hit a homer. Belue added four hits and Walton collected another win.

RADs beat F&A as Jerry Arszman went three for four with a triple. The winning pitcher was David Bagwell. The Cougars slipped past SIO with Lenord Hatcher collecting three triples and Ken Lomax going three for four. Danny Smith also went three for four and blasted his 26th home run of the season. Charles Blackburn went two for three. Hatcher was winning pitcher.

T&E came on strong last week by picking up two

wins. It edged Thiokol in the first win as Rob Dorty went three for four with a homer, Tony Cook went three for three, and Bob Alongi and Don Hughes each went two for three. Hughes was winning pitcher. Next T&E crushed SIO with Ken Alongi getting four hits and teammates Joel Stark and Danny Spencer slugging three hits apiece. Tom Spain was the winning pitcher.

F&A beat Thiokol as Cedric Wherry got four hits, DeWayne Kelly had three hits and Frank Thomas, Harold Jacobs, Rickey Prince and Emmett Mathis got

two hits each. Kelly was the winning pitcher. Pershing dropped CPO with David Stokes going four for four with three runs and one home run. Len Farberman went two for three for CPO.

A softball tournament, the P&P Invitational, will be held on the NASA fields Aug. 9-12. Trophies will be awarded to the top three teams. The first place team will receive individual trophies, the second place team will get batting gloves and trophies will be awarded to the best defensive player and best offensive player. For more information call Art Snow 876-3181.

Standings

Western Conference			Eastern Conference				
W	L	PCT	W	L	PCT		
Stallions	16	1	.941	Cougars	15	2	.882
Rachels	11	5	.688	RADs	14	2	.875
Dr. Zoom	10	7	.588	MIA	11	5	.688
Express	8	9	.471	T&E	13	6	.684
COE	5	11	.313	F&A	11	7	.611
MLC	5	14	.294	SIO	8	11	.421
Pershing Proj	2	15	.118	Thiokol	6	11	.353
CPO	1	18	.053	P&P Engr	1	15	.063

Troop softball final standings

Eastern Division		Western Division	
W	L	W	L
B Company 1	13	Marines	17
7th Students	12	HHC	14
TMDE/95th	11	MEDDAC 2	14
6th Students	10	Air Force	10
A Company	9	515th Ord	9
291st MPs	8	C Company	7
5th Students	7	8th Students	7
USACC	5	4th Students 1	6
MEDDAC 1	5	B Company	5
4th Students 2	0		18

Top shortstop leaving Redstone for Oklahoma



DEFENSIVE SPECIALIST—Rick Hedrick of the Stallions says he will miss the civilian softball league.

BY MIKE MCCOLPIN

Teammate Jim Chiarizio calls Rick Hedrick "the best shortstop I've ever seen in softball."

Hedrick, shortstop for the Stallions in the civilian league here, is leaving on Aug. 10 to accept a job with the Corps of Engineers in Tulsa, Okla.

He has been recognized as the league's premier shortstop since he first entered the league midway through the 1977 season. Hedrick has been a cornerstone of the P&P Stallions since his arrival and the team has improved every year, going from near the bottom of the league in '77 to the top of the league this year.

The 31-year-old Nardin, Okla. native has a career batting average in the Civilian Welfare League of over .500 but defense is where he truly shines. He has thrown out many runners, often on very difficult plays, with cat-quick reflexes and a cannon-like arm.

Even though Hedrick has robbed opponents of numerous hits, he is one of the most popular players in the league. He says he will miss the CWL.

"I'm really going to miss it. I've had a lot of good times out here, played with and against a super bunch of guys," Hedrick says.

He has been a contracting officer at Procurement and Production the past two months and has worked at the Missile Command for about six years. He and his wife Janice have three sons—Brad, 7, Clint, 4, and Scott, 10 months.

Hedrick will be missed in the coming years, not only because of his softball talents but also for the joy he brings to the game. He remembers what so many others seem to forget, that the real joy of softball is not the winning or the losing, but just playing the game.

Rockets women's team going to state tourney

The Rockets women's softball team exploded in the district tournament by winning eight out of 10 games.

This placed the team third in the district and qualified it to go to the state tournament Aug. 9-12.

Soldiers make up the 12-member team led by Jessie Poores, head coach, and Lonnie Cook, assistant coach.



CLASSIFIEDS

The Redstone Rocket provides the Rocket Classified section as a free service to active duty military personnel and army civil service personnel at Redstone Arsenal. To place a Rocket Classified ad:

- Type or legibly print a brief description of what you want to sell on an 8½ x 11 inch piece of paper (no 3 by 5 cards or torn paper accepted). You must list a price, your home phone number, your home address and your duty status (active or civil service).
- Sign the ad.

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1982 Honda Goldwing 1100 excellent condition low mileage fully dressed \$4000 call 876-4583 or 536-5221 Home ask for Mickey.

For Sale Hummel figurines, plates and antique clocks. 883-7675.

1975 SAAB 99ems MUST SELL NOW! sunroof, am/fm, a.c., 4 cylinder. 26 mpg, \$1300/make offer. 882-9357 or 895-3774.

LOST: Would very much like to recover a ladies gold digital watch fahf was lost in the back packing lot of bldg. 5250 on 19 July 84. If found please contact Cheryl. 876-2573.

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Boat For Sale: '83 Rawhide Fish-N-Ski, 90 HP Johnson Motor, Johnson Trolling Motor, Depth Finder, Tennessee Trailer, & other accessories included. \$6,300. (205)350-7053.

'77 Starcraft Camper '25' completely self contained air, heat, pop-up antenna-full oven sleeps six.

'76 Cadillac white w/tan interior 63,000 miles special equipped for pulling camper. Both for \$7,995. Call 852-0237 ask for Dave Call 876-7944 ask for Martha.

Oak Dining Room Suit, style-modern table has 2 smoked glass inserts solid oak removable centerpiece. Four chairs (on rollers) and china cabinet (about 3 ft. across) Very pretty, would go well in kitchen also. Asking \$750. Call 539-4099 after 5 p.m.

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they fall in the same sales category, (miscellaneous, vehicles, etc.).

Mail Rocket Classified ads to Sara Grant & Associates, Atten: Redstone Rocket Classified, P.O. Box 5351, Huntsville, Alabama 35805.

The Redstone Rocket will not accept free classified ads by telephone.

The Redstone Rocket is not responsible for typographical errors or for omissions in this section.

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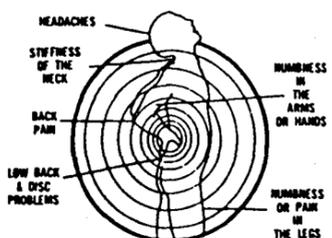
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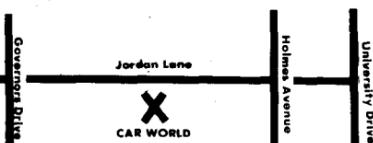
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Soldiers Scene

Tips on How to Pass the APRT



The Army Physical Readiness Test rolls around every six months. And it's not the type of test you can cram for at the last minute.

Physical fitness takes time. The key is to become tuned in to the body and apply stress gradually. This way the body adapts and does not break down.

Many people feel that to improve strength they must increase the number of times they do an exercise with each workout. If they do 20 push-ups today, 21 should be done tomorrow. This approach can lead to injury. An Army health official recommends the "PRE" (progressive resistance exercise) plan:

First, determine the maximum number of times you can repeat an exercise. Then, reduce your efforts. For example, if you can do 20 push-ups, start with 10 or 15 at a time. Rest or stretch for two or three minutes. Then do a second set of 10 or 15.

Repeat this set of exercises three or four times at each workout. When they become easy to do, add additional sets. After reaching seven sets in one exercise period, reduce the number of sets to three and increase the number of times you repeat the exercise by 25 percent.

To improve endurance, give the heart and lungs a

workout. Some suggestions are fast walking, running, swimming, cycling, cross-country skiing, jumping rope and rowing. Choose whatever activity is convenient, enjoyable, and meets these requirements:

- The activity must raise your heart rate to 70 percent of its maximum. Your maximum heart rate is determined by subtracting your age from 220. For example, a 20 year old's heart rate would be 200 ($220 - 20 = 200$). The target to reach during exercise would be 70 percent of 200, or 140 beats a minute.
- The target heart rate has to be maintained for 15 to 20 minutes every other day to gain the maximum benefits. To make sure you are reaching your target, count the number of beats at the pulse on your neck or wrist.

These suggestions do not guarantee success, but are valuable in reducing injuries. The "quick fix" approach to physical fitness can lead to injury and has left many soldiers unable to pass the APRT.

(Editor's note: This material adapted from an article written by Lt. Col. Douglas A. Kersey, Army Medical Specialist Corps. Courtesy of the Office of the Surgeon General and Health Services Command.)

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