

The Redstone Rocket

Vol. XXXI No. 8

July 21, 1982

Tour lengths

WASHINGTON — The Army has announced that it will be unable to reduce some overseas tour lengths for single career personnel even though a new DoD policy offers that option.

Instead, the Army will retain its requirement that those personnel must serve the shortest "accompanied by dependents" tour in certain overseas areas. While the new DoD policy will allow the services the option of choosing the longer "with dependents" tour or the shorter "all others" tour, Army personnel officials say the arbitrary deletion of the longer tour for single personnel would be an unmanageable change.

"The Army's position in this assignment process is unique, compared to that of other services," said an official, noting that the Army has over 40 percent of its personnel committed to overseas areas.

The official went on to say that it would cost the Army more than \$25 million per year to pay for the Additional PCS moves resulting from the change, and that an extra 600 enlisted soldiers per month would be needed in Europe alone.

Professional development for junior officers would also be reduced, said the official, by "the turbulence created by shorter tours."

The continued policy will affect those soldiers assigned to most areas in Europe, Canada, Hawaii, Australia, New Zealand and Japan, the official said. (ARNEWS)

CHAMPUS claims

CHAMPUS beneficiaries who have questions about their claims can reach the claims processor for their state on a toll-free telephone line.

The lines for Civilian Health and Medical Program of the Uniformed Services were set up during the past year to better serve beneficiaries in the United States, according to CHAMPUS officials.

These are the claims processors for area states and their toll-free and commercial numbers:

Mutual of Omaha, Mutual of Omaha Plaza, Omaha, Neb. 68175 serves Alabama, Colorado, Georgia, Mississippi, Nebraska, Ohio, and West Virginia (also serves Canada, Mexico, Central and South America where there is no toll-free service). Toll-free 1-800-228-7100; commercial (402) 978-2934.

Blue Cross-Blue Shield of Tennessee, 730 Chestnut St., Chattanooga, Tenn. 37402. Toll-free 1-800-572-7247; commercial (615) 755-5600.

Support unit listing

The July edition of the Missile and Munitions Support Unit Listing has been printed and will be available Friday, according to Jack Matthews, training specialist with Directorate of Evaluation and Standardization.

The MAMSUL, updated every three to four months, is a complete listing of all active-duty and reserve missile and munitions units worldwide, Matthews said. This brochure provides current addresses and telephone numbers.

About 500 copies will be available and can be obtained by contacting Herman Hilmes, Directorate of Evaluation and Standardization, building 3343. The phone number is 876-5343/5431.

Army paid for their ideas

BY SKIP VAUGHN

Suggestion award winners here vary but have one thing in common: They all thought of money-saving ideas for their areas of work.

Nolen Jones Jr., a mail clerk in Procurement and Production Directorate, thought of a way to communicate with messengers out on daily runs. He received a \$237 award for estimated tangible savings of \$2,371.

Joyce Skinner and Larry Couch, who work in the supply division of Redstone Arsenal Support Activity, suggested a way to re-use expendable office supplies such as pens, rulers and so on. They each received \$911.50 for the estimated savings of \$37,440.

Billy Greene, an engineering technician, suggested reducing the number of X-rays taken for the Dragon Missile System. He won \$616 for estimated savings of \$6,160.

Donald Dixon, who works in the civilian personnel office thought of a way to reduce recruitment time in the merit promotion process. He received \$930 for estimated savings of \$45,765.

In each case, the suggestion was approved by the office with responsibility for that particular area. Then the paperwork was sent to the civilian personnel incentive awards office.

"I think it's a good thing. You can make a little money behind it," says Jones, a GS-3 mail clerk in P&P directorate. He submitted his suggestion sometime last year and "forgot all about it till one day they told me it went through."

Jones' award earlier this year was for his idea to give communication equipment, such as beepers, to messengers so they can be reached while out on the job. He is credited with alleviating duplicate pick-up runs.

"You're saving gas, all that kind of stuff," says Jones, who at one time was a messenger at P&P. The 34-year-old mail clerk has worked in that directorate just over two years.

Skinner, a GS-9 inventory management specialist in RASA's supply division, was a winning co-suggester with fellow worker Couch. A GS-7 super-

(Continued on page 16)



These ideas saved money

WASHINGTON — The first edition of a "catalogue" of proven money-saving ideas from the field is scheduled to be distributed sometime this month by the Department of the Army.

The publication — part of the Army's "idea interchange program" — was designed to publicize and give background information on achievements made in saving tax dollars in various operational and managerial areas. Names and phone numbers will be included, say officials, to allow those in the field thinking about using the idea to speak directly with the originator.

"We want to get these ideas circulated as wide as possible to save taxpayers' money," said program

director Stan Azebu. "You might have a good idea, but it may not get farther than the shop or installation. It becomes capsulized. This way we can spread it a lot better."

Azebu said future plans include a possible direct data bank, which will allow installations to immediately input achievements and ideas into the program. Until that comes along, however, Azebu said he is hoping the ideas keep coming in through regular channels.

About 1,000 copies of the publication are being printed, said Azebu, and are scheduled to be sent to installations, major Army commands and DA staff agencies. The next publication is scheduled for October. (ARNEWS)

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

Letters

Repromotables

Editor:

How many re promotable engineers by job series and grade level are there who are over 40 years old and have over 15 years service? How many over 20 years service?

Joe W. Morris
General engineer

Answer: There are 42 re promotable engineers

who are over 40 years old and have over 15 years of service.

Series/Grade	15-20 years service	Over 20 years	Totals
0801-12	3	12	15
0801-13	0	9	9
0801-14	0	3	3
0855-12	4	3	7
0855-13	0	4	4
0861-12	0	2	2
0893-12	1	0	1
0896-12	0	1	1



Expired

Editor:

On July 14 I observed a person buy a carton of milk from the lunch wagon, drink from it and spew it out saying it was ruined. The expiration date on

the carton was five days previous, and there was no ice left around the milk cartons. What else is being sold that is past the expiration date?

Also, the cafeteria in bldg 7107 is scheduled to be closed permanently effective 16 July 82, due to a fire hazard in the ducts.

Name withheld by request

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

THE REDSTONE ROCKET

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Army vehicles looking sporty

If you thought Army cars and trucks were plain and drab with nomenclatures instead of names, it's time to take another look.

Nine new Dodge vehicles with a rather streamlined look and the model name "Rampage" have been added to the arsenal fleet.

"They're kind of like the El Camino Chevrolet, half sedan, half pickup," said Equipment Management's Bob Sartain.

"We got nine of them in. We were surprised, we weren't expecting them. We were planning on them coming in fall," he said.

They have front wheel drive, four cylinder engines and are replacing pickup trucks. They are a very light green in color.



Debbie Evans shows a Rampage

"We just put them out this week," Sartain said last Friday. "So far everybody's well pleased, say they drive real good. I haven't driven one myself."

Supply Clerk Debbie Evans uses one to pick up and deliver supplies for Equipment Management. "I think it's neat," she said.

Career ordnance officer takes over Viper

Col. Robert T. Walker, a career ordnance officer experienced in logistics and weapons management, has been named Viper Project Manager at the Army Missile Command.

The Akron, Ohio, native succeeds Col. Aaron J. Larkins who retired from the Army.

Walker, just prior to completing recent studies at the Industrial College of the Armed Forces, served

for four years as assistant program manager for logistics for the M1 Abrams Tank.

Viper is the Army's new shoulder-fired tank killer that weighs approximately nine pounds and is substantially more powerful, accurate and has a much longer effective range than the M72 LAW it replaces.

Viper will be issued to soldiers as a round of ammunition and hardware deliveries to the Army will begin early next year.

Walker is a graduate of the University of Akron with a bachelor's degree in Mechanical Engineering, and in addition to ICAF is a graduate of the Command and General Staff College, Ordnance Officers Advanced Course, and Defense Weapon Systems Management School.

Among other assignments, he commanded the 9th Maintenance Battalion in Germany; was Director of Operations of the Combat Equipment Group, Europe; commanded the Second Battalion, School Brigade, U.S. Army Ordnance Center and School; and was executive officer of the 1¼ Ton Truck Project Manager's Office at the Tank Automotive Command.

In 1966, he activated a direct support maintenance company, and trained the unit for six months prior to deploying to Vietnam and assuming command of all 1st Logistical Command units in the Mekong Delta.

Elsewhere, he was assigned in the mid '60s to the staff and faculty of the Army Missile and Munitions Center at School at Redstone Arsenal, and has served as an instructor in weapon systems management at the Command and General Staff College.

Walker is married to the former Irene Blackwell of Cuyahoga Falls, Ohio and they have three children: Beth, a graduate of Albion College; Bob, a student at Michigan State; and Chuck, a junior in high school.

Redstone Mariñes get new commander

Redstone Arsenal's Marine Corps Administrative Detachment had a change of command ceremony 4 p.m. Friday at building 3218, the detachment headquarters.

Command of the detachment passed from Capt.

David Evenstad to Capt. Scott D. Ryan, with a reception following.

The standard tour of duty for a Marine Corps unit commander is three years, according to Evenstad.

GSA rental cars save travel money

WASHINGTON — A recent defense audit service report reveals that travelers could reduce the strain on limited travel budgets and realize savings to the government by using GSA contract rental cars for TDY use.

Although many rental firms offer corporate rates and some provide discounted rates to DoD travelers, GSA contract rentals still provide the greatest savings, according to the audit.

In order to take advantage of GSA rates, reservations should be made as far in advance as possible.

Also, the lowest GSA contract rates can be realized through cash payment.

GSA rates are on a per-mile basis, so in some cases where a great deal of driving is anticipated a comparison should be made with some of the corporate/discounted rentals.

GSA contracts exist in nearly 250 cities in 50 states, Puerto Rico and Guam. To take advantage of the savings, make sure your travel orders read "rental car authorized — first preference should be given to GSA/GSA contract, then corporate/negotiated rates." (ARNEWS)



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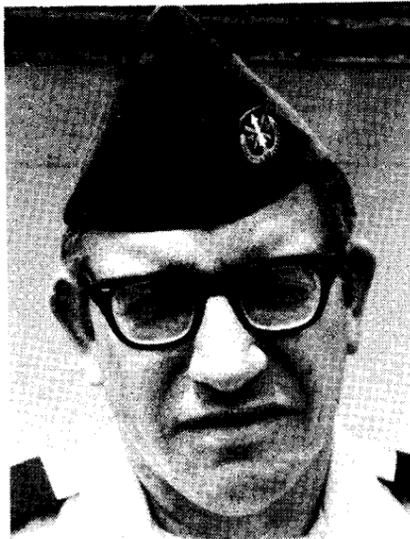
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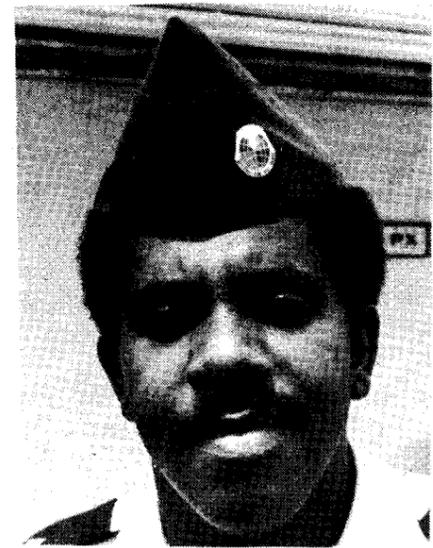
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**Are you well trained enough
to work in a combat zone?**



MSgt. Clifford Kerry, Co. B — "I'm a senior chemical operations sergeant, in the NBC field. I've been involved in that since 1965, so I've had sufficient training to operate in a combat zone."



SFC Ronald Cornish, HHC MICOM — "I've had a lot of training and experience in supply over a period of 10 years. So I believe I could function well in a combat environment."



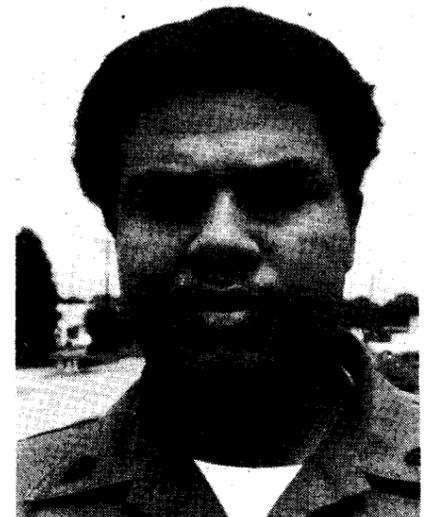
PFC Juanita Marshall, HHC MICOM — "I've received some training, but I'm still fairly new to the Army. I wouldn't feel that confident in a combat zone."



Sp4 Jeffrey Forte, 4th S.C. — "I'm a mail clerk here and I believe I could do my job as well in a combat zone as I do at Redstone."



Sp4 Adrienne Bankston, HHC MICOM — "Sure. As long as I'm in my MOS I think I could function properly in a combat zone. I'm a 71L — Admin. Specialist."



Sp5 King Floyd, Co. A — "Yes, because I've spent four years in the infantry. And as a qualified 71L I could do that job in a combat zone, such as being a clerk in a field unit."

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CFW 'big three' still winning

BY GLYNN JACKSON

The big three — Cougars, Rachels and R&D — continued their winning ways last week in the CFW slow-pitch softball league.

The Cougars nipped TMDE 7-3 then had an easier time by clobbering the hapless Techn Pub crew 12-2.

Rachels kept pace by ripping T&E 18-9 and powering past Logistics 18-10.

R&D went on a hitting rampage and demolished SIO 18-0, slaughtered USATSG 26-2 then topped off its winning streak with a no-contest over F&A 26-5.

In other action, USATSG slid by TMDE 17-12. SIO suggested the agony of defeat with its second loss of the week, 12-0 to P&P. It made history by being the only team in the CFW to be shut-out twice in one week.

P&P's victory over SIO wasn't enough; it ended the week by closing F&A's account to the tune of 6-3.

TMDE scored an impressive 12 runs on two different occasions last week only to lose in both cases, this time to T&E 19-12.

Tech Pub came up six runs short in its duel with Logistics and suffered its second loss for the week 8-2.

After this week's action, the CFW will move into its final week with a match-up on Monday, July 26 between hard-hitting Rachels and the slick-fielding Cougars bunch. This game could determine the league championship, barring any unanticipated upsets.

How They Stand

	W	L	PCT	GBH
Cougars	15	1	.938	—
Rachels	14	2	.875	1
R&D	13	3	.813	2
P&P	12	4	.750	3
Logistics	8	7	.533	6½
T&E	7	8	.467	7½
F&A	5	10	.333	9½
USATSG	5	10	.333	9½
TMDE	3	13	.188	12
SIO	3	13	.188	12
Tech Pub	1	15	.063	14



Chuck Wiley got five hits in five times at bat in T&E's win over TMDE.

Troop standings

EASTERN CONFERENCE

Co. A #1	19-6
Co. B #1	17-5
S.C. 2	17-7
95th	15-8
4th S.C.	11-11
291st	9-14
HHC #2	6-17
*515th	7-15
**5th S.C.	4-21
(*1 forfeit)	
(** 2 forfeit)	

WESTERN CONFERENCE

HHC#1	19-4
Co. A #2	19-4
MEDDAC	17-7
6th S.C. #1	17-9
7th S.C.	10-14
***Marines	6-17
Co. B #2	5-17
**8th S.C.	1-19
(*** 3 forfeits)	

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Auburn researchers continue bird study at Redstone Arsenal

Auburn University wildlife researchers have completed a second trip to Redstone Arsenal to study the American woodcock, and plan to come back in fall.

During the last week in June they revisited and analysed 15 woodcock sites they located here in February.

"It looks as if we've got some very useful data," said Auburn zoologist Keith Hudson, who is studying the arsenal and other parts of north Alabama as part of a statewide study the university is conducting.

Purpose of the study is to see if hunting-size populations of the migratory American woodcock,

traditionally a more northern game bird, can be established in Alabama.

Hudson said woodcocks apparently follow the frost line into and out of the state. The researchers want to find out whether management practices like habitat manipulation will cause the birds to overwinter in the state in sufficient numbers to hunt.

He said they have identified and analyzed 15 woodcock sites on the arsenal and want 10 more. "We'd like to get 25 if we can because the statisticians say we need 25," Hudson said.

He said the known woodcock sites are being compared with a similar number of random sites. "That should tell if the birds are using the sites for a par-

ticular reason. It may be a function of habitat structure. It may be social. It may be some property of the soil — some research indicates this — or it may be earthworms.

"This latest work, with stuff we've done elsewhere, should tell us if it's structure or soil, the two things our program is designed to test for. But it may not be that, it may be worms. We have a separate project checking this," he said.

Thus far, the Auburn group is finding that "the birds are a whole lot more social than we thought. There's much more brood rearing than we thought, and closer together."

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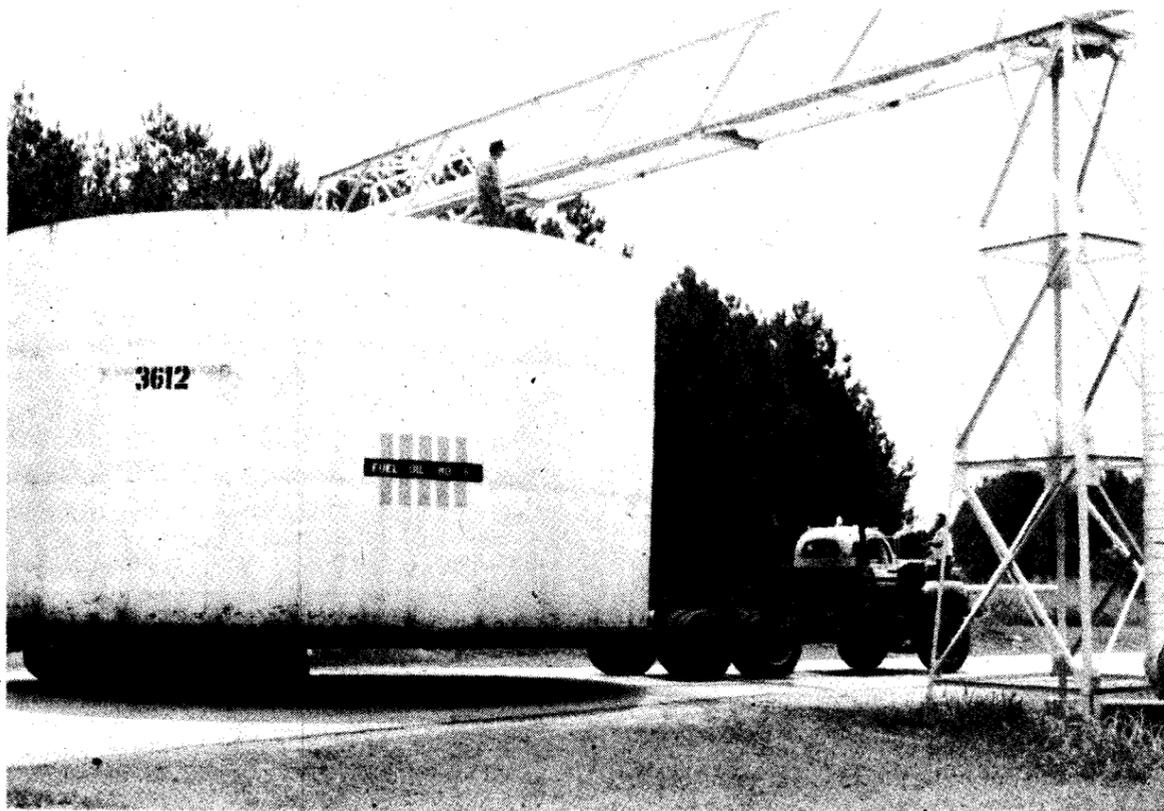
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There wasn't a lot of room to spare when this 36,000 gallon tank passed under the steam line on Mills Road. The tank was moved Friday from the 3600 area via Patton, Martin and Mills Road to the tank farm below building 5681 where it will be used for gasohol storage. A Cullman house moving company

transported it. Facilities Engineering quality assurance inspector Benjamin Smith said it was a smooth move with no problems. MPs cleared the road of traffic and a truck from the FE high voltage shop went along to move power lines the big tank couldn't pass under.

Coffee same here

Coffee in military dining facilities elsewhere may taste weaker these days but not at Redstone, according to the chief of food service.

The new recipe is for those military food service facilities that brew large amounts in coffee urns, says Gerald Johnstone.

"We don't use coffee urns. We use individual packets and make individual pots of coffee," he says. "And the coffee is already pre-weighed in the individual packets. So (the new recipe) won't affect us at all."

Researchers at the U.S. Army Natick (Mass.) Research and Development Laboratories conducted studies indicating that weaker coffee is acceptable to young servicemembers.

Panels of civilian and soldier coffee drinkers who took part in the studies could easily detect differences in coffee strength. However, the coffee drinkers gave "acceptable" ratings to both the current Department of Defense recipe and one that was 25 percent weaker.

Last year, the military bought roughly one-half million pounds of coffee. With coffee prices rising steadily, this represents a considerable expense. Natick, therefore, began to look for ways to stretch the coffee supply.

A number of proposals were considered, but making a weaker brew appeared to be both acceptable and practical. Once the test results were released, military food service personnel were notified of the change in recipe.

Photo contest being held

A photography contest for active duty soldiers is under way at the Redstone multi craft center with entries accepted through Aug. 31.

Entries will be placed in one of three groups for color prints, monochrome (black and white) prints or transparencies (slides). Color prints should be no smaller than a borderless 5x7 and no larger than 20x24; monochrome prints should be a borderless 8x10 to 20x24.

First, second and third place winners in each of

the three groups will receive \$20, \$10 and \$5 respectively. Honorable mentions will receive black and white photo paper. "All place winners and other photographs of note will be forwarded to the All Army Photography Contest to be held at Carlisle Barracks, Pa. in October 1982," said Diane Gilliam, director of the multi craft center.

There is no entry fee. For more information and entry blanks, call 881-5841 or go by the center at building 3466.



Running and rappelling

Soldiers in 2nd Battalion jog to Training Area E to watch airborne and air-assault demonstrations July 10. They saw 5th Student Company soldiers rappel out of a UH-1H helicopter in the air-assault

demonstration before they jogged back to their starting point, going a total of 5.3 miles. (Photos by John Wagner)

Steam projects save energy

Redstone Arsenal is spending \$2.5 million to make energy-saving improvements to the installation steam system.

The projects include boiler plant improvement, new insulation for steam pipes, and installing a condensate return line.

At the boiler plants where steam is generated "economizers" have been installed that save fuel by using hot smokestack gasses to preheat air coming to the boilers.

Also new at the boiler plants is an oxygen monitoring system that causes fuel and air to mix in the proper amounts for most efficient burning.

Redstone has two main boiler plants located in the school and NASA areas. A third, small plant is being built on Mills Road that will burn trash to produce steam.

A new condensate return line more than two miles long will save fuel by returning used, warm steam to the boiler plants for reheating and reuse instead of discharging in onto the ground.

Beginning this month \$1,368,000 is being spent to put new insulation on the miles and miles of steam lines that crisscross the arsenal.

The new economizers cost \$239,000. The oxygen monitoring system cost \$304,000 and the condensate return line \$711,000. All of the energy conservation projects are calculated to pay for themselves in six years or less.



Laborers James Scruggs and Sara Links of B&J Mechanical Contractors shovel dirt from a ditch containing the new condensate return line.

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Energy use going up

Energy use at Redstone is supposed to be going down but instead is going up.

"The first nine months of FY 82 was actually increased as compared to FY 81 the first nine months," said Joe Dickey, energy coordinator for Facilities Engineering.

"We increased more than two percent while we were supposed to reduce two percent — that was the DARCOM assigned target," he said.

The biggest increase was in military housing where energy consumption ran 10 percent higher than in the same period the year before, according to Dickey. "Storm windows, doors, and so forth have been added, completed in spring of '81 — some improvements that should have caused a decrease. It just has to be a lack of attention on the part of individuals."

Dickey said he was reluctant to "jump on" people in the housing area because the energy they use is such a small portion — about five percent — of the arsenal total. "But because of the increased supply of oil and fuels and so forth, individuals tend to relax

energy conservation efforts and that is what we've got to turn around," Dickey said.

Meanwhile, he said an engineering study of how to make the arsenal more energy efficient that has been going on for several years has been finished.

"The engineering study addressed everything from insulation in buildings to reduced light and, the one I like, replacing windows with insulation to save energy. There were also recommendations on air conditioning, heating and ventilation systems.

"Many are costly items, will have to be budgeted.

Some can be done immediately but most will be over a period of time. Even with increased mission and more facilities, over a period of time we can still expect additional energy savings," by implementing the study recommendations, Dickey said.

Dickey said people could help with energy conservation by tending to the little things like turning out lights when they leave the office. "That sounds and seems insignificant but if you think about all the lights on the arsenal that could be turned off like that it is not insignificant."

Federal women present awards

Two MICOM people were recognized by the North Alabama Chapter of Federally Employed Women at their annual awards and installation of officers banquet.

The Distinguished Service Award was presented to Al Muller of P&P Directorate for his support of FEW goals and objectives.

Helen M. Boyd, Mathematical statistician with Product Assurance Directorate, received the Rebecca J. Stokes Award for outstanding contributions to federally employed women and participation in community, public relations and legislative activities on behalf of women and FEW.

In 13 years with FEW Boyd has held several offices and served on various committees. She was the chapter's first life member.

FEW will not meet in July, but will host their annual wine and cheese party at the officers club in August, beginning an active year for the chapter.

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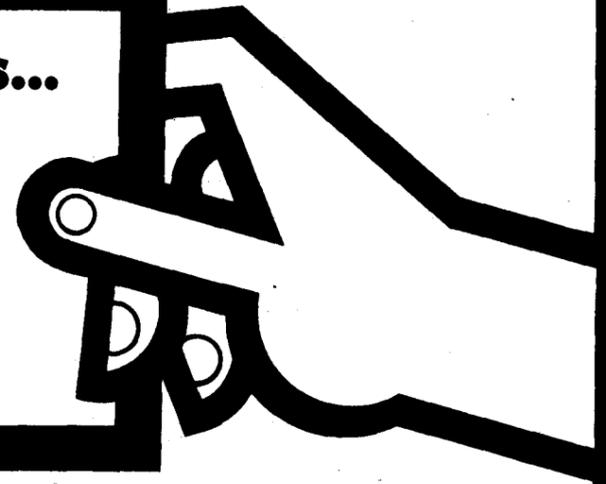
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Army learns a lot from oil

BY ED PETERS

The Army learns a lot from the crankcase oil in heavy trucks and machinery.

Approximately 230 vehicles at Redstone Arsenal are on an Army Oil Analysis Program where periodic samples of crankcase oil are examined in a laboratory to determine the condition of the oil and the internal condition of engines and transmission.

The laboratory checks to see if the oil is holding up, or breaking down and in need of change. It also looks for foreign material in the oil that may be a tip-off to mechanical problems.

"They look for condensation of water in the oil. Chips or bits of worn metal. They determine if the oil is maintaining viscosity; some oils break down under heat and stress. The laboratory determines if that's a good oil we're using," said Capt. Lee Henry, special projects officer at Equipment Management Division.

Henry began implementing the Army wide oil analysis program at Redstone approximately one year ago. "Samples of oil are taken from specified pieces of equipment," and sent to a Fort Benning laboratory, said Henry.

"In the past we changed oil whether it needed it or not. That wasted money and time. With the quality of oil we get now an oil change isn't needed, for example, every 90 days. With this program we change only as needed," he explained.

Henry continued that the analysis program also "gives us an early warning. It is like going to the doctor and getting a blood sample. It gives us a reading of the potential failure of any part."

Water in the oil might indicate a leaky head gasket that left unfixed could burn a hole in the top of a piston.

Metal might indicate a worn bearing that could cause the engine to fly apart.

Fuel in the oil might mean that piston rings need replacing.

Presently the local oil analysis program applies only to trucks and heavy equipment. "Eventually, I predict all vehicles will be on the program," he said. Aircraft have been on it for some time.

Oil samples from cars and trucks not on the program can be sent to the laboratory on a one-time basis when a problem is suspected.



'... In the future, try to take the lab's word for it!'

In every unit that has equipment on the program there is an individual responsible for taking the samples and working with the laboratories. Four ounce samples are drawn out through the dipstick tube using a syringe and hose. Some vehicles have been equipped with a valve on the side of the engine for withdrawing samples.

At the laboratory, according to Henry, the sample "is broken down, analyzed to determine if there is wear and tear, or possible preventable problems about to occur."

He mentions a recent case where the laboratory found "shavings" in transmission oil from a 2½ ton truck. "By that we were probably able to save the cost of a new transmission, by doing what the laboratory instructed us to do.

"They instructed the individual to send the vehicle to maintenance to have the transmission serviced. The repair cost was very minimal. They were able to determine a problem about to happen. Had we waited, I'm sure that transmission would have gone bad and we would have had a major repair bill."

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'If something's wrong, we catch it ahead of time'

BY ED PETERS

Oil analysis saves time and money for the 515th Ordnance Company.

They have on the Army Oil Analysis Program a fleet of heavy hauling trucks, and some generators and fork lifts.

"We were changing on a day-type schedule," said Sgt. Anthony Moorehead, 515th assistant motor sergeant. "Sometimes we were changing almost brand new oil."

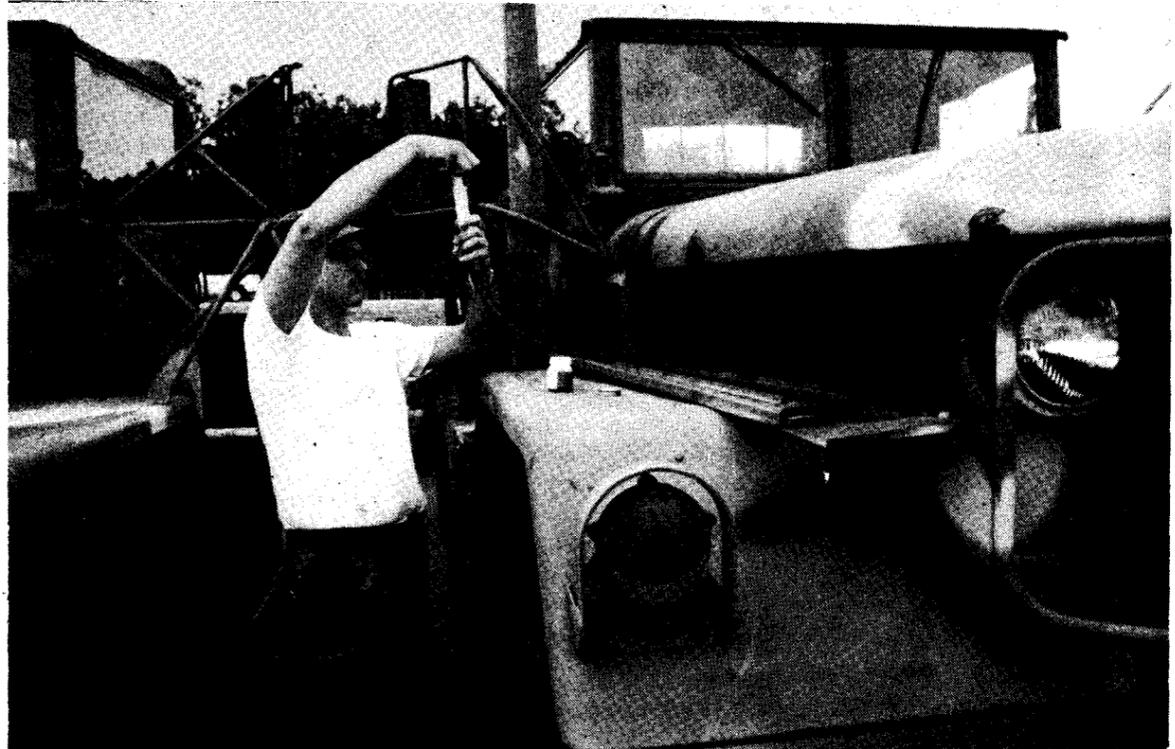
He said the 515th vehicles get light use at Redstone but in wartime would be in extremely rough service hauling ammunition to the front lines.

He said the 515th got on the oil analysis program about six months ago. Now the laboratory tells him when oil needs changing.

After a vehicle operates a specified number of hours he pulls engine and transmission oil samples and sends them to Fort Benning. A laboratory there examines the samples and tells him whether the oil needs changing. Previously he followed a "lubrication order" that specified oil changes at day and mileage intervals — whether needed or not.

"It cuts down on the amount of manhours and saves money," said Moorehead. "You're talking five gallons at a shot in those trucks. That dwindles away company funds, changing oil when you don't need to."

The condition of the oil can also tell a lot about the condition of the engine, according to Moorehead.



Sgt. Anthony Moorehead of the 515th takes an oil sample from a five-ton diesel tractor.

When foreign material is found in oil the laboratory immediately notifies Moorehead. "If something's wrong in the engine, we can catch it ahead of time, before it blows up," he said.

In addition to the routine sampling, Moorehead sends off a sample whenever he thinks there is a problem developing. "If an engine loses power, or a transmission starts making noise, I take a sample and they report back.

"They might say I'm about to have an engine failure, or a particular gear is about to go," he said. The laboratory can usually tell which gear from the character of metal fragments in the oil, he said.

Moorehead said normal operation causes some foreign material to get into the oil so its presence doesn't necessarily mean a problem.

When a problem is indicated, "We send the vehicle to our maintenance to get it fixed or checked out. They have turned out still serviceable after oil analysis indicated a problem, he said. "We change the oil, notify the laboratory and resample in a shorter period.

"We've been in it six months and nothing's failed yet," he said.



The 515th Ordnance Company uses oil analysis as a key element in the maintenance program for its fleet of big trucks.

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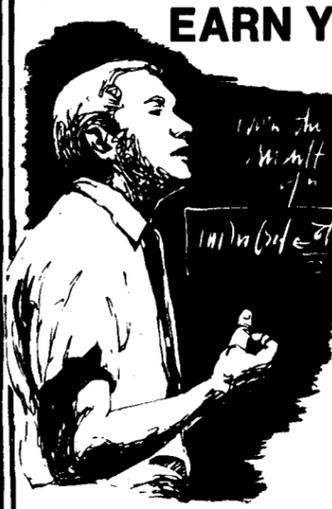
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Barracks open in mid-August

The long-anticipated move into the new troop barracks on Aerobee Road could begin as early as mid-August, according to Redstone Resident Engineer Jimmy Stevens.



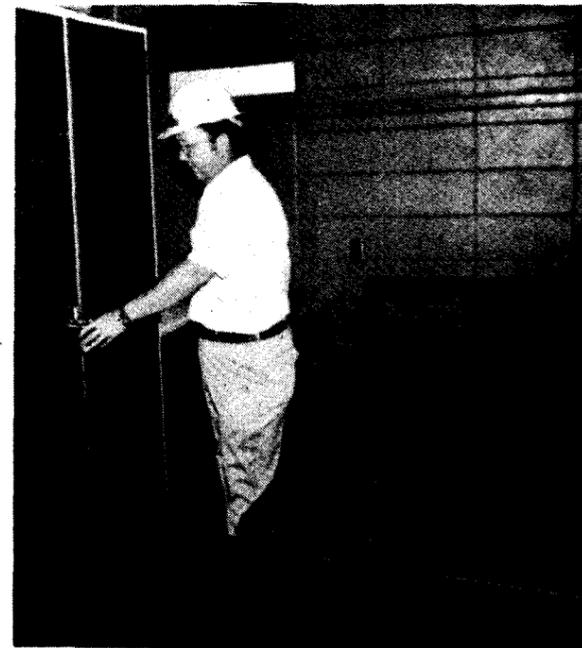
Construction workers are taking care of final details like installing outside benches. Landscaping is almost finished and furniture was supposed to be moved in starting this week. Marjorie Campbell of Housing Management said the barracks will be occupied by MMCS students. They will be moved in as buildings become ready over a month period.

The four new buildings will house 720 students, many of whom are now living in open bay type barracks. The new barracks are set up on a "module" concept. Each soldier will share a room with two others. Each will have an individual desk and study lamp. Every room has a small refrigerator.

For every three rooms there is a shared living room and lounge area that leads to and outside door which only the 12 soldiers living within can unlock. Individual rooms can be unlocked only by the soldiers occupying them.

At left; Henry Swopes, Jr., finishes a concrete stand for a bench outside the new barracks; and Resident Engineer Jimmy Stevens checks a room.

First floor rooms have a brown color scheme. Green and blue are the respective color schemes for the second and third floors.



Military gets PHS hospitals

WASHINGTON — Five former Public Health Service hospitals and five former PHS outpatient clinics have been designated for use by military personnel and their family members, according to the U.S. Army Health Services Command at Fort Sam Houston, Texas.

CHAMPUS users who live within 40 miles of one of these facilities must seek care there before turning to a civilian hospital, said Health Services Command official.

The new facilities and their locations are, hospitals:

Wyman Park Health System, Baltimore, Md.; Brighton Marine Public Health Center, Boston, Mass.; Hospital of St. John, Nassau Bay, Texas; Seattle Public Health Hospital, Seattle, Wash.; Bayley Seton Hospital, Staten Island, N.Y.

Outpatient clinics: Lutheran Medical Center, Cleveland, Ohio; St. Mary's Hospital, Galveston, Texas; St. Joseph Ambulatory Care Center, Houston, Texas; Family Practice Center of Port Arthur, Port Arthur, Texas; Coastal Health Services, Portland, Maine. (ARNEWS)

New arrivals bring half a century's experience

BY JOHN WAGNER

Two new command sergeants major, Thomas Lizana and Gene Davis, together bring a half a century of Army experience to the Missile and Munitions Center and School.

Lizana arrived at Redstone for duty at 1st Battalion headquarters while Davis came here to 2nd Battalion headquarters. Both were previously stationed in different areas of Germany.

"A command sergeant major's responsibilities never change," said Lizana, who last served as command sergeant major of the 703rd Maintenance Battalion, 3rd Infantry Division, Kitzingen, Germany. "They are to make sure there is a tight, disciplined non-commissioned officer corps in his jurisdiction.

"My philosophy is that if a soldier is going to make the Army a career, he has to be disciplined," added the Pass Christian, Miss. native who enlisted in January 1957. "Discipline molds character. We know that without strong moral character, weak soldiers develop. Strong moral character is a key element in whether the individual will be a professional NCO."

Davis, an Eden, N.C. native, has been in the Army for 24 and a half years. His previous assignment was sergeant major of the Theater Army Material Management Center in Zweibrucken, Germany for 27 months.

Davis has been to Redstone Arsenal twice before. In 1967-68 he was an ammunition instructor here and from 1973-75 he was a chief instructor. "The post is not new to me, just the job," he commented.

"In my present position with 2nd Battalion, it is my duty to see that the students get what they've been promised, but also that they do what is expected of them," Davis said. "They have been promised proper room and board and the opportunity



Davis



Lizana

for schooling. And in turn, they are required to receive proper soldierization training and obey regulations. There is also the less desirable side of my job. If a soldier gets into trouble, I'm to see that he gets just action."

In Davis' eyes the most important factor in being a good soldier is wanting to be one. "Someone might have a great deal of education and training, but he still has to have that strong desire. And often some very basic things will influence a soldier's desire — things like food, living facilities, and pay."

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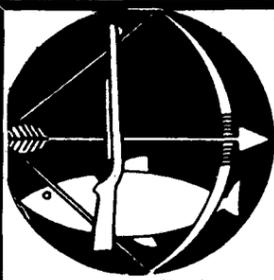
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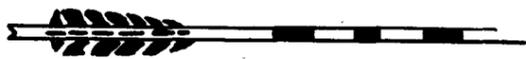
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358 LEAD 148 or 158 GR	3.99

all others sale priced

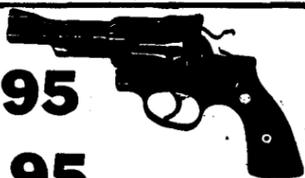


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ACS helps with personal or family problems

BY SKIP VAUGHN

A soldier's wife desperately needs money for a utility bill but her husband is stationed elsewhere and she has no means of paying it.

A military family moves to a new post but its belongings have not yet arrived.

These are cases where Army Community Service can help. ACS, which observes its 17th anniversary July 25, offers programs ranging from emergency loans and grants through Army Emergency Relief, to a lending closet which loans out household goods.

"It was created throughout the Army to help eligible persons receive assistance in meeting personal or family problems," said 2nd Lt. David Andrews, Redstone's ACS officer.

The service here is responsible for the Child Care Center, the Nursery located at the chapel, Army Emergency Relief, the lending closet and Child Advocacy Program.

It serves active duty personnel, their family members and retired military. Three military and five civilian staffers work with several volunteers. "The ACS program couldn't run without the volunteer program here," Andrews said.

ACS, based at building 3491, does not just help in emergencies. Volunteers put together a welcome packet for new arrivals and maintain a list of babysitters; the lending closet has vacuum cleaners and other household goods for loaning; and a psychologist provides spouse and child abuse counseling.

Here is a rundown of ACS programs:

Army Emergency Relief — Provides emergency loans and grants in "helping the Army take care of its own." An annual Armywide drive raises funds to help active duty personnel, their family members and retirees in times of emergency. This can range from a grant to a widow, to a loan for travel expenses to attend a funeral. AER officer Juanita Phillips also provides budget counseling.

Child Care Center — A place where soldiers, for a fee, can leave their children for the day and pick them up after work. Fees include 80 cents for one hour, one child; \$1 for two children; \$1.20 for three children; and 10 cents per hour for additional children.

Nursery — Located at the chapel during the school year for four year olds and five year olds; not open during the summer months. Certified teachers are in the program that is run on a contractual basis.

Child Advocacy Program — Dr. Bill Resha, child care coordinator and child advocacy officer, gets referrals on spouse abuse or child abuse cases and counsels family members. He conducts a Wednesday night meeting for families and also provides individual counseling.

Lending Closet — Volunteers conduct this service in which mostly-donated items are loaned out for household use.

'It's friendly', says ACS volunteer worker

BY SKIP VAUGHN

Mary Parrish and Donna Ferguson put together welcome packets as they discussed why they serve as volunteers for Army Community Service.

"I enjoy it," said Parrish, the ACS volunteer supervisor and a volunteer for almost three years. "I like working with people."



Parrish

She has served 2,800 hours and puts in about 150 hours a month while holding down a fulltime job. Parrish manages this by not going to work until noon . . . or 1:30 . . . or 2:30. "It just depends," she said. "I work at night."

Parrish works as a salesman in a women's shop when she's not serving as an ACS volunteer, a half day Monday through Wednesday and all day Thursday and Friday.

"Right now we have eight (adult) volunteers," said the wife of a retiree. "We have five teen-age volunteers that help when school's out and Thanksgiving and Christmas holidays."

Donna Ferguson, an ACS volunteer since April, listened while filling welcome packets with information on Redstone and surrounding areas. The volunteer service provides valuable experience, she said.

"I'm going to go to college, trying to be a secretary. It takes a lot of experience and hard work," Ferguson said. "This gives me my experience. I learn to live around an office and around people."

"It's friendly. You feel comfortable when you come in," she said. "We get office practice — learning how to deal with people and how to act in an office."

ACS volunteers provide welcome packets to incoming personnel and also keep on hand packets about military installations worldwide.

They conduct a flea market twice a year — in April and October — to raise funds to replenish the ACS lending closet. They also maintain a list of babysitters.

"We have a food locker," said Parrish. "If they don't have money, they come and see us and we provide them with food to help them survive until they get their check. If it's going to be a long time, they go to Army Emergency Relief which is Mrs. (Juanita) Phillips (AER officer)."

The volunteers recently completed an ACS coloring contest for ages four through eight. Winners were Belinda Sempek, 5, Natalie Brostrom, 5, Kiersten Freeman, 5, Cordai Farra, 8, and Trey Freeman, 7.

"It was just for fun," Parrish said. "We give them a pass to the skating rink."



Ferguson

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FORT MONROE, Va. — Soldiers being transferred overseas have Personnel Assistance Points, or PAPs, at each departure location to help them solve any last-minute problems.

"When a soldier has a last-minute problem such as being involved in a car accident and breaking a leg, he or she can call the PAP at the departure location," said Thomas Gray, traffic management specialist, MILPERCEN. "The center can give the soldier instructions on what steps to take since departure must be delayed."

"For a while, there was a backup number at MILPERCEN in Washington the soldier could call if instructions were incomplete or unsatisfactory at the local center," Gray said. "But this service has

been discontinued and soldiers must rely on information given at the local points."

There are eight points around the United States where military personnel depart for overseas duty. Two of these are Air Force bases and six are civilian airports. The PAP telephone numbers and departure points are:

PAP	SERVES	PHONE NUMBERS
JFK	Kennedy International Airport & Washington National Airport	(212) 917-1698/1699 AV: 232-4304
McGuire	McGuire Air Force Base, Philadelphia A International and Dulles International	(609) 724-3106/3107 AV: 440-3106
Charleston	Charleston Air Force Base, S.C.	(803) 554-3210/3141 AV: 583-3210/3141

St. Louis	St. Louis International Airport	(800) 325-1680 AV: 693-6253/54
Los Angeles	Los Angeles International	(213) 643-1997 AV: 833-1997
Oakland	Oakland International Airport	(415) 635-8452 AV: 864-2231/2580
San Francisco	San Francisco International	(415) 877-0751 No AUTOVON number
Seattle	Seattle-Tacoma International	(206) 243-5521/5522 AV: 357-4502

PAPs will accept collect calls. Be sure to call the appropriate PAP for the airport from which you will depart or arrive. (TRADOC News Service)



Columbia College

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SESSION 4, 1982

August 9, 1982 through October 2, 1982

COURSE NO.	COURSE TITLE	PREREQUISITE	DAYS	INSTRUCTOR	TIME
BUS 150	Introduction to Business	None	MW	Smalley	5:00-7:30
BUS 294	Microeconomics	BUS 293	MW	Traylor	5:00-7:30
ENG 112	English Composition II	ENG 111	MW	Dyar	5:00-7:30
PHIL 201	Introduction to Philosophy	Soph. Stand.	MW	Brumment	5:00-7:30
PSY 101	Introduction to Psychology	None	MW	May	5:00-7:30
Astron 101	Introduction to Astronomy	None	MW	Patly	7:30-10:00
BUS 370	Strategic Management	BUS 360	MW	Smalley	7:30-10:00
ENG 333	English Novel	Junior Stand.	MW	Dyar	7:30-10:00
PSY 392	Psychology of Adolescence	PSY 101	MW	May	7:30-10:00
BUS 280	Accounting I	Soph. Stand.	TT	Jacobs	5:00-7:30
BUS 333	Public Relations	BUS 231	TT	Rouse	5:00-7:30
CJ 351	Probation and Parole	CJ 101	TT	Moon	5:00-7:30
ENG 104*	Developmental Eng. Comp.	None	TT	Morgan	5:00-7:30
(*No tuition is charged for this course.)					
BUS 321	Small Bus. Management	BUS 260	TT	Dodson	7:30-10:00
CJ 101	Introduction to CJ	None	TT	Bill	7:30-10:00
CJ 411	Criminal Law II	CJ 409	TT	Price	7:30-10:00
ENG 111	English Composition I	None	TT	Morgan	7:30-10:00
PA 305	Admin. Regulation of Bus.	Soph. Stand.	TT	Rouse	7:30-10:00

ACADEMIC CALENDAR — SESSION 4, 1982

Early Registration Begins	July 6	Classes Begin	August 9
(Early Registration continues to Aug. 6)		Late Registration Ends	August 16
Tuition Assistance Form Deadline (Absolute Deadline!)	August 9	Last Day to Drop Without Penalty	August 20
Regular Registration	August 9	Classes End	October 2

Classes are open to Active Duty Military, their dependents and civilians employed on the Arsenal. The Columbia office is located in Bldg. 3650 on Roland Drive. The office hours are

9:00 to 5:00, Monday through Friday. Tuition Assistance students should allow one full week for the processing of TA forms.

Counseling and registration are available on a walk-in basis.

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Ideas

(Continued from page 1)

visory supply technician, Couch is manager of the Self-Service Supply Center.

Skinner and Couch suggested a "free issue point" at the center where customers can bring in small excess office supplies and leave them for other workers. This saves the customers — designated supply people from each organization — from having to fill out forms for expendables such as pencils, paper and typewriter ribbons. They simply bring in what they don't need and pick up the free items that they do need.

"It was reutilization of government property — of expendable office supplies," says Skinner.

She and Couch made the suggestion after trying out the idea and keeping up with the reduction in paperwork. They submitted the suggestion about a year ago and received their awards last week.

FOURTH AWARD

Skinner, 32, won her fourth suggestion award in 12 years of work. "I think it's great," she says of the program. "I've had several suggestions approved and adopted. This is the biggest one I've had adopted."

"It gives the employees a chance to improve what they're doing or what their co-workers are doing."

Billy Greene, a GS-11 engineering technician in the test and evaluation directorate of Army Missile Laboratory, won for a suggestion that reduced the number of X-rays on the Dragon missile. He and others perform the X-rays in test and evaluation directorate.

"That eliminated two shots on each missile that we X-rayed," says Greene, who joined that directorate in June 1970. He submitted his suggestion in early 1981 and received the award about a month ago.

Greene has won nine suggestion awards and this \$616 award was his largest so far. He has one pending, however, that should be "somewhere in the neighborhood of \$1,200."

TAKES A YEAR

"It usually takes pretty close to a year from the time you think it up and turn it in before you get anything if you get anything," Greene says. "They don't approve everything for sure."

His suggestions since his first winner in 1964 totaled "nine that have been accepted and many that have been turned down." He credits the incentive awards committee with being "more efficient in encouraging people to think of ideas" than it was several years ago.

"I think it's a pretty good incentive for somebody to put their heads together and come up with an idea," Greene says of the program. "If they think of something to make something go smoother and faster, it'll not only help the government, it'll help them too."

"There's ways to improve almost anything that you do no matter what work that you're in," adds the 49-year-old engineering technician.

Dixon, GS-12 chief of personnel's special recruitment branch, won for his suggestion that reduced the recruitment time in merit promotion by about four weeks.

He was a GS-11 staffing specialist when he submitted his suggestion in 1980 and received the award a year later.

His suggestion changed the old procedure in which supervisory appraisals and talent bank worksheets were obtained as two separate steps in the merit promotion process. The revised procedure provides for employees to submit both forms when they apply for merit promotion, Dixon says.

"I think it's a good program for rewarding employees for good ideas," he says of the suggestion program. "I encourage my employees to utilize the program when they have good ideas. I submit suggestions myself when I see areas that could be improved."

The 30-year-old personnel official came up with his winning suggestion by "looking at the merit promotion program and trying to find ways to streamline it."

As a supervisor, he evaluates suggestions from other employees and tries "to evaluate them as quickly as possible," Dixon says. "I would encourage all other supervisors to be sure suggestions are evaluated in a timely process and have an open mind when they're evaluating suggestions."

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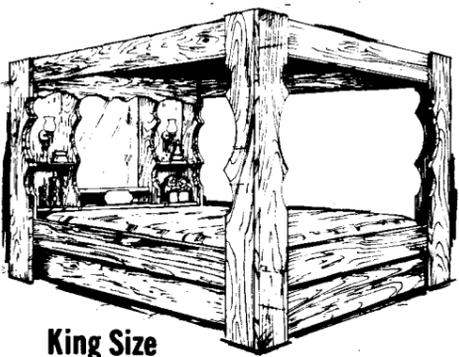


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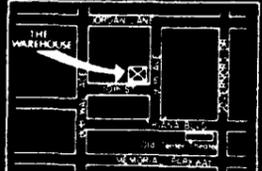


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Announcements

MMCS Wives

The MMCS Wives will give a coffee honoring Mrs. Joseph Cote, on July 27, at 10 a.m. in the Safeguard Room at the Officers Club. Col. Cote is the new Commandant for MMCS. Make reservations by noon July 23, and cancellations by noon July 26. Call Gwen Porter at 837-3227. The cost will be \$2.25.

SOLE luncheon

Maj. Gen. Grayson Tate, commander of BMDSCOM, will be featured speaker at the luncheon meeting of Tennessee Valley Chapter of the Society of Logistic Engineers on Thursday at the Officers Club. Social hour (cash bar) begins at 11:30 with lunch at noon. All present and prospective members and guests are invited to attend. Cost is about \$5. For reservations, call Ken Oard 830-2180 or Dave Dalton 876-1281.

Recreation Center

Today — "Return of the Dragon" movie at 2 and 7 p.m. Thursday — Bingo at 8 p.m. Friday — Pool Tournament at 7 p.m. Saturday — "Digby Biggest Dog" movie at 2:30 p.m. Sunday — 500 Rummy Night at 7 p.m. Monday — Checkers Night at 7 p.m. Tuesday — Ping Pong Tournament at 7 p.m.

DYA registration

Cheerleading, football and soccer registration is under way at the DYA office, building 114, Monday through Friday from 8 a.m. to 4 p.m. There is a \$5 registration fee. Cheerleading is for girls born after July 31, 1969 and before Aug. 1, 1974; football is for boys born after July 31, 1969 and before Aug. 1, 1974; and soccer for girls and boys born after Dec. 31, 1967 and before Jan. 1, 1978. Proof of age is required unless age was previously verified by Redstone DYA personnel. For more information, call 876-5437.

Canner lids

The Madison County Extension Service will test pressure canner lids each Thursday in July, from 9 a.m. to noon, at the Farmers Market on Cook Avenue, Huntsville. Dial-type canner lids should be checked each year for accuracy to prevent food spoilage, according to County Agent Jacquelyn Outlaw. Publications on canning, freezing and drying will also be available. For more information, call 536-5911 (ext. 257).

Keith is AUSA speaker

DARCOM Commanding General Donald R. Keith is scheduled guest speaker at a dinner meeting of the local AUSA on Thursday, July 29, beginning at 6:30 p.m. in the officers club. Tickets are \$10 per person. For reservations call Joyce Gardner, 876-4542, or Betty Whitman, 876-4504.

Bowling Center

The bowling center, building 3707, will be closed for resurfacing July 27 through Aug. 3.

Wine tasters

Les Amis du Vin (Friends of Wine), an international wine tasting society, will taste German wines imported by Leonard Kreusch, Inc., at their August 2 meeting. Leonard Kreusch is one of the largest importers of quality German wine in America. Harry Solomon, their Southern Division manager, will conduct the program. Les Amis du Vin is an informal group who meet at the Hilton Hotel to learn about wines from around the world. Reservations are required for the 7:30 p.m. tasting. For information call Joe Hopkins, 883-1495, or Stu Soffer, 883-4150.

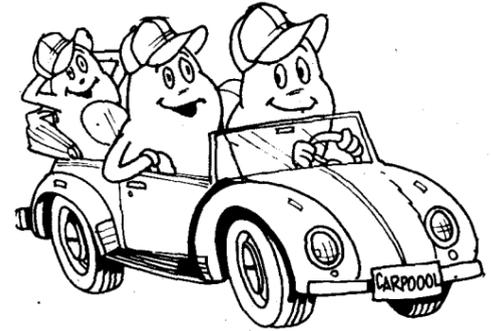
Educational benefits

People who entered the service after Jan. 1, 1977 are eligible for the VEAP program. A service member can make arrangements at the Finance and Accounting Office to have an allotment of \$25 to \$100 a month (increments of \$5) taken out of his pay. The maximum that can be paid into the program is \$2700 and the maximum amount of time is 36 months. The VA will match the amount contributed 2 for 1. For the \$2700 contributed the VA will return \$8100 in monthly checks when attending an accredited educational institution. While on active duty, the Army will pay 75% of the cost of your tuition, 90% for E5 or higher who have less than 14 years in service. For those service members who do have the "Old GI Bill", your benefits expire Dec. 31, 1989. For more information see a guidance counselor in Bldg. 3222. Class schedules for the fall term are available.

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Athens

Carpool wanted from Athens to 5421, hours 6:30-3 or 7-3:30. Lee Groover 876-3881.

Northwest

A carpool member wanted from Cedar Point Valley/Winchester Road area to 5400 or 4300 vicinity, hours 7-3:30. Hugh Carson 876-1523. (This opening will become available in October.)

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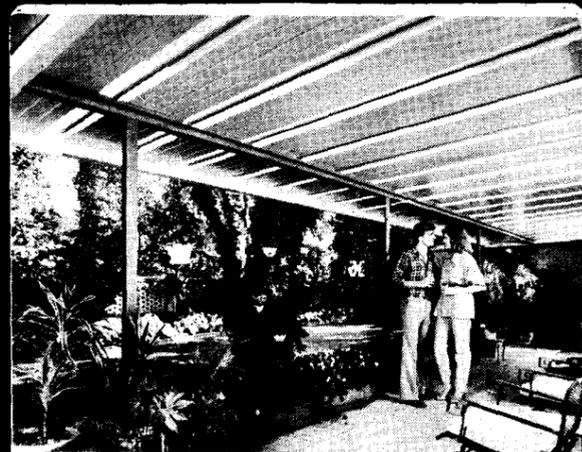
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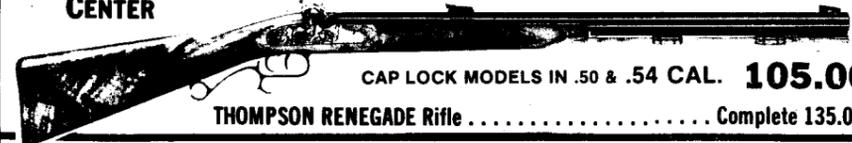
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10-501 ENGINEERING REVIEW I Sat. 8:00-12:00 noon
An intensive study or review of mathematics, chemistry, engineering economics, and statics. Followed by 10-502, prepares for professional examinations. Background: studies or experience in engineering. Instructors: various faculty members.

11-301 ELECTRICAL CIRCUITS TT 6:50-9:00 p.m.
An introduction to the analysis and design of electrical circuits. Background: prior or concurrent study of basic calculus and physics. Instructor: Raymond C. Watson Jr.; M.S.E.; Southeastern Institute of Technology.

11-571 RADAR SYSTEMS MW 4:30-6:40 p.m.
An introduction to the theory, functions, and applications of radar systems. Background: basic knowledge of circuits and signals. Instructor: Stephen M. Gilbert; Ph.D.; Dynetics, Inc.

11-581 SIGNAL PROCESSING TT 4:30-6:40 p.m.
A study of signals, detection and estimating, and signal processing. Background: basic knowledge of higher mathematics. Instructor: Edward R. McKee; Ph.D.; U.S. Army Missile Command.

14-571 APPLIED AERODYNAMICS TT 6:50-9:00 p.m.
An introduction to the analysis of atmospheric flight of aircraft and missiles. Background: basic knowledge of fluid mechanics. Instructor: Terry F. Greenwood; Ph.D.; NASA Marshall Space Flight Center.

17-301 COMPUTER PROGRAMMING MW 4:30-6:40 p.m.
An introduction to computer programming using FORTRAN. Background: basic knowledge of college mathematics. Instructor: Maurice M. Hallum, III; D.Sc.; U.S. Army Missile Command.

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

17-631 ADA PROGRAMMING LANGUAGE TT 4:30-6:40 p.m.
An examination of the development, structure, and applications of the Ada language. Background: knowledge of high-level programming. Instructor: Marvin Polan; M.Sc.; Teledyne Brown Engineering.

17-641 COMPUTER ARCHITECTURE MW 4:30-6:40 p.m.
A detailed study of the architectures of modern computers. Background: basic knowledge of programming and computer organization. Instructor: J. B. White; Ph.D.; NASA Marshall Space Flight Center.

21-541 IMPROVING HUMAN PERFORMANCE TT 6:50-9:00 p.m.
A study of human competence and methods for improving performance. Background: basic knowledge of psychology desirable. Instructor: Sam L. Hardy; D.Sc.; Key Resource Development Company.

21-611 MGT. RESPONSIBILITIES & PRACTICES MW 6:50-9:00 p.m.
A seminar on the tasks, responsibilities, and practices of managers. Background: studies or experience in management. Instructor: Richard H. Shuford, Jr.; D.B.A.; Management Consultant.

24-551 GOVERNMENT CONTRACTING TT 4:30-6:40 p.m.
A study of contracting by and with the Federal government. Background: basic knowledge of business operations desirable. Instructor: Eugene R. Andrzejewski; M.B.A.; Teledyne Brown Engineering.

24-614 BUSINESS STRATEGY & POLICY MW 4:30-6:40 p.m.
An intensive examination of strategy and policy in business management. Background: studies or experience in business management. Instructor: Richard H. Shuford, Jr.; D.B.A.; Management Consultant.

27-671 RESEARCH & DEVELOPMENT MGT. TT 6:50-9:00 p.m.
A seminar on management in research and development organizations. Background: studies or experience in management. Instructor: Julian S. Kobler; J.D., D.Sc.; Management Consultant.

31-303 ELEMENTS OF CALCULUS TT 4:30-6:40 p.m.
A concentrated study of basic calculus and its applications. Background: knowledge of introductory college mathematics. Instructor: Robert R. Covelli; S.M.; System Development Corporation.

31-511 APPLIED STATISTICS & PROBABILITY MW 6:50-9:00 p.m.
An introduction to statistics and probability emphasizing applications. Background: general knowledge of optics desirable. Instructor: Mario H. Rheinfurth; M.S.; NASA Marshall Space Flight Center.

34-544 LASER PRINCIPLES & APPLICATIONS MW 6:50-9:00 p.m.
An introduction to laser theory, characteristics, and applications. Background: basic knowledge of optics desirable. Instructor: Thomas G. Roberts; Ph.D.; U.S. Army Missile Command.

SHORT-TERM COURSE

10-691 BMD SYSTEMS ANALYSIS Sept. 13-17, 8:15 a.m.-4:00 p.m.
Methods of analyzing BMD system performance, strategic ballistic missile performance, and strategic missile interchange. Lectures by Wayne R. Winton and John L. Dyer of Sparta, Inc. Fee: \$550.

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