

Redstone Rocket

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Quality expert says improvements can save money

BY SKIP VAUGHN

Improving quality can cut costs, according to a leading authority on quality control.

Dr. J. M. Juran, a lecturer, management consultant and author, came to Redstone to present seminars for officials here Aug. 23. His visit was co-sponsored by the Product Assurance Directorate and civilian personnel's training office. This was the first in the executive development seminar series.

"There's a lot of misconceptions about improving quality. In the minds of some people, if you're going to increase quality, you're going to increase costs," Juran said.

He discussed quality and improvement at an afternoon session in an auditorium at Missile Command headquarters. He was introduced by James Shepard, director of product assurance, as the person "recognized worldwide as the father of quality."

Juran, 79, has conducted a course in quality control in more than 30 countries in the last 35 years, training more than 20,000 managers and specialists.

"It (quality control) is an essential part of trying to sell products competitively. Other people are trying to sell those products so we have to compete with them," Juran said. "And it's also important in trying to keep our costs down."

During his lecture he gave examples of how improving quality can reduce costs in terms of performance. In one case an engineer in a company continued to support a costly theory. "You can see there how, with

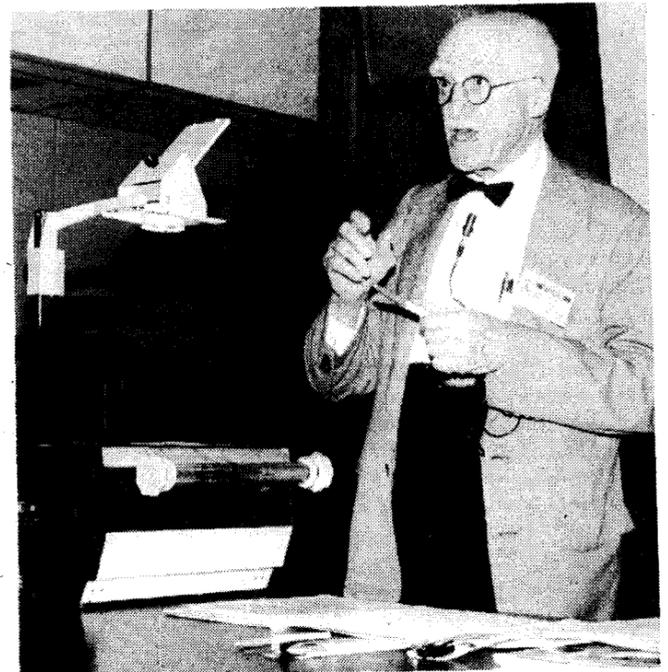
the best intentions, somebody like that engineer can be a roadblock," Juran said.

Methods of making improvements, including organizing teams to discuss problems, are "not just limited to the factory," he said. "There's no end to the opportunities for improvement if we search for them."

Juran, who resides in Connecticut, came to this country in 1912 as an immigrant from Rumania. Since 1924 he has pursued a varied career in management as engineer, industrial executive, government administrator, university professor, labor arbitrator, corporate director, and management consultant. His honors include more than 30 medals, fellowships and honorary memberships awarded by professional and honor societies in 12 countries. These include the Order of the Sacred Treasure awarded by the Emperor of Japan for "...the development of Quality Control in Japan and the facilitation of U.S. and Japanese friendship."

Besides books, which have collectively been translated into 13 languages, he has written more than 200 published papers.

A display in the command headquarters building and message signs posted on arsenal roads were features last week in addition to Juran's visit. "The purpose is to make everybody on the arsenal aware of our continuing quest for better quality of MICOM materiel," said Russ Winn of Product Assurance Directorate.



LECTURER — Dr. J. M. Juran discusses quality during a session for officials here.

Sure-pay study examines payment options

WASHINGTON—The Army's study of the "sure pay" system currently underway is expected to be completed by October.

Under sure-pay, a soldier's check is sent directly to financial institutions for deposit into savings or checking accounts. The Army's plan to convert all soldiers to sure-pay by October 1984 was derailed when the Senate Armed Services Committee directed the Army to study different means for paying soldiers, including alternatives to the mandatory sure-pay program.

"The Senate Armed Soldiers Committee's basic concern involves whether the Army has demonstrated the need to mandate sure-pay for the entire force, even when you view the improved readiness it provides," said Lt. Col. George L. Sumrall of the study group.

The mission of the group, drawn from Army staff agencies and major commands, is to conduct a wide-open review of all available pay options and compare each to the total impact of implementing mandatory

sure-pay. They also will determine the pros and cons of alternatives to mandatory sure-pay, to gain Army leadership approval of either mandatory sure-pay or the "best" alternative.

"Our committee is faced with balancing Army readiness requirements and the need to insure soldiers meet their family and financial obligations during deployments and lengthy TDY periods," Sumrall said. "Recent deployments show that soldiers on voluntary sure-pay can deploy on virtually no notice and experience far fewer pay problems than their buddies not on sure-pay. Insuring that we improve our financial readiness posture and not create a burden on soldiers and their families is our toughest challenge," he added.

Other considerations involve areas in which sure-pay would involuntarily reduce soldiers' pay. Financial institution service charges, account maintenance fees and check-cashing fees could effectively cut a

soldiers' pay.

The delay between deposit of pay and official notice of receipt of such deposits could result in bad checks being written, and costs to make bad checks good would further reduce pay. The Army currently has no authority to reimburse soldiers for these changes should they occur.

"Our committee has set some guidelines to work with as we consider the best course for the Army," Sumrall added. "Not placing an additional financial burden on our soldiers ranks high on that list, along with insuring that financial readiness can indeed be improved by the option we choose. Several of our alternatives, while improving readiness, may create work for unit commanders and administrative and finance officers. We want to avoid this."

Some of the options being examined include a per-

(Cont'd. on Page 8)

Four men receive awards from federal women's groups

Federal Women's Program Committees from the major Army activities in Huntsville presented awards to four of their male bosses Thursday during a luncheon observing the 10th annual Women's Equality Day.

Col. James R. Grant of the Missile Command; James D. Ratliff and Maj. Eddie G. Walker of the Ballistic Missile Defense (BMD) Organization; and James R. (Ron) Larkin of the Huntsville Engineer Division received plaques honoring their efforts to provide job opportunities for women.

Grant, the Missile Command's comptroller, was recognized for his commitment to providing training, experience, and visibility for women employees and for a "blindness" to gender in the workplace. Ratliff, chief of BMD's Cost Analysis Office, has hired women into 25 percent of the science and engineering jobs in his office. Walker, who heads the Program Management Office for BMD Systems Command, has filled 70 percent of numerous recent comptroller field

vacancies in his office with women. Larkin, chief of Branch "B" in the Engineers' Procurement Division, has increased both the numbers and the average grade

of women in his organization.

The presentations followed a speech by Brig. Gen. (See Awards, Cont'd. on Page 2)

DDT decision expected Friday

A review panel is expected to announce Friday whether it will accept the Olin Corporation's plan for cleaning up DDT contamination on Redstone Arsenal.

The panel established to monitor Olin's court-ordered cleanup of the contamination is expected to make the announcement at a scheduled meeting August 31 at Wheeler National Wildlife Refuge.

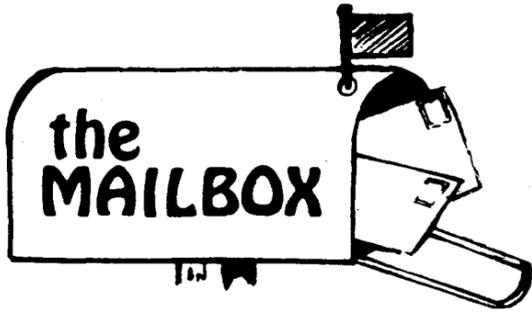
A consent decree signed in Birmingham last year by Olin and the U.S. Justice Department required Olin to come up with a plan to remedy the DDT contamination and gave the review panel the authority to either accept the plan, approve it with changes or reject it and impose an alternative solution.

The panel with representation from federal, state

and local health and environmental agencies has had the Olin plan under consideration since early June.

Olin's plan calls for damming and diverting Huntsville Spring Branch so that the part of the stream bed containing the most DDT can be filled in. The panel is expected to announce that it will accept the plan with certain modifications.

Olin manufactured DDT on the arsenal for a number of years in a plant rented from the Army Corps of Engineers. Several hundred tons of insecticide waste dumped by the factory into Huntsville Spring Branch has resulted in widespread environmental contamination.



Seems inconsistent

Editor:

The writer who thinks that a group for the betterment of black employees is inconsistent must have been born a few days ago.

I like the term used, "inconsistent", so I will use it further.

It does seem inconsistent that a black engineer at Redstone Arsenal had to take the Army to court in

Awards

(Cont'd. from Page 1)

Eugene Fox, deputy program manager of the Army's ballistic missile defense program. Fox reviewed the history of Women's Equality Day and called for going beyond the conventional system of government hiring to achieve such goals as filling 18 percent of federal science and engineering jobs with women and increasing the number of women in high grades. The keys to achieving such goals, Fox said, are vigorous recruitment, continued education, a commitment to excellence, and teamwork between women seeking advancement and supervisors sensitive to their subordinates' potentials.

order to be promoted like others who worked around him with less government service time.

Inconsistency lies in the heart of America if you don't know that by now. The rate of unemployment among black people is twice that of whites and this is inconsistent. The number of blacks hired and promoted at Redstone Arsenal is inconsistent in comparison to the number of whites. In 1965 it was inconsistent that over 300,000 majority black people had to march to Washington to get the civil rights bill passed in a land of liberty.

It is very inconsistent that the gains of black people at Redstone and in America will be done because of the efforts of black people.

Name withheld by request

Sign your letter

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

Earlier, the gathering heard from 2nd Lt. Donna Prep, who is aide-de-camp to Fox and is believed to be the first woman officer to serve as aide to a commander of any of the Huntsville Army organizations. Prep sketched a history of women's service in the Army, from Molly Pitcher in the American Revolution to full integration of women into the Army in 1978 and her own enlisted service and recent graduation from the U.S. Military Academy.

More than 250 people attended the Equality Day luncheon at the Officers' Club.

Test and evaluation club forming chapter locally

A chapter of the International Test and Evaluation Association is being established in Huntsville.

A meeting to form the group and choose officers is scheduled August 29 at the Officers Club.

"We've been a long time trying to form it. Anybody with an interest in test and evaluation can join," said Al Mullin of the BMD organization in Research Park.

"We hope to have a NASA representative, a MICOM representative, and a BMD representative to rotate the leadership through, and maybe an industry representative if somebody looks like they're interested," Mullin said.

He said the association publishes a journal containing articles on the management of test and evaluation and on what is going on in the area of test and evaluation throughout the country.

The association plans a symposium in Washington Nov. 5-8 on the theme "Impact of high technology on test and evaluation", Mullin said. One of the speakers will be Charles K. Watt, ITEA national president and acting director of test and evaluation in the Office of the Secretary of Defense.

For more information on the local ITEA chapter that is forming call Mullin at 895-3056. The group will be known as either the Rocket City Chapter or Huntsville Chapter, he said.



HONOREES — Recognized for their efforts to provide employment opportunities for women were Col. James Grant of the Missile Command, James Larkin of Huntsville

Engineer Division, and James Ratliff and Maj. Eddie Walker, both of the Ballistic Missile Defense Organization.

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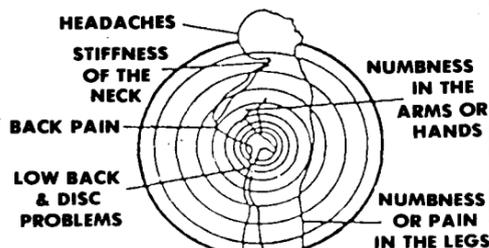
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Worldwide conference focuses on Army family/support

WASHINGTON—Army community service personnel gathered here recently for a worldwide training conference focusing on support for the Army family.

Hundreds of civilian, military and volunteer workers attended the week-long annual conference to learn new ideas for managing ACS's three-part family support mission — The Army as a family of components, units and people.

Army Secretary John O. Marsh Jr. and Chief of Staff Gen. John A. Wickham Jr. addressed the conference on the importance of families to the total army mission.

"The family is critical to the Army's welfare," Marsh said. "It impacts on morale." He said a stronger family will produce a better Army, a better defense, and a better country.

Wickham encouraged ACS workers to "cross fertilize" ideas in order to design the best possible support programs. "The Army will be enriched from the

bottom up, not necessarily from the top down," he said.

Seminars addressed family issues in areas such as the

exceptional family member program, finances, deployment and mobilization, employment for a soldier's family and child and spouse abuse. (Arnews)

Soldiers now offered free travelers' checks

The Finance and Accounting Division here is working on procedures for phasing in a new program of making certain payments to soldiers in travelers' checks.

No specific date has been established but in the "near term" local soldiers will begin receiving travelers' checks, first for travel advances and later for other types of payments, said Lt. Col. Gerald Miller, finance and accounting officer at the Missile Command.

The travelers' checks program is being implemented at most Army activities worldwide. "Redstone Arsenal

will be taking part. We've received guidance, appointed a project officer, Lt. (Greg) Moyer, and we're working out procedures that we'll get staffed through the command group," Miller said.

He pointed out that travelers' checks will lend "convenience and smoothness of operation" to certain financial transactions and will be used in combination with, instead of completely replacing, cash.

A project officer at the Army Finance and Accounting Center at Fort Benjamin Harrison, Ind. said, "Travelers' checks were found to be a welcome service.

"They reduced cash holdings in finance offices and generated interest savings to the government," Capt. John Herko said.

Travelers' checks benefit soldiers because they can be replaced if lost or stolen while cash is rarely recovered, he added.

The use of travelers' checks at all finance centers was approved by the Assistant Secretary of the Army for Financial Management after an eight-month test involving 18 finance offices.

Travelers' checks are not available in Europe.

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FALL 1984 QUARTER

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the following courses:

Course No. & Title	Class Begins	Class Ends	Class Night
SM 5011 Management Theory & Thought	15 OCT 84	17 DEC 84	MON
SM 5014 Management Information Systems	15 OCT 84	17 DEC 84	MON
SM 5019 Organization & Management Of Marketing	15 OCT 84	17 DEC 84	MON
SM 5021 Business Law	15 OCT 84	17 DEC 84	MON
CM 5011 Procurement & Contr Mgmt & Admin I	15 OCT 84	17 DEC 84	MON
SM 5006 Managerial Statistics I	9 OCT 84	18 DEC 84	TUES
SM 5017 Program Management	9 OCT 84	18 DEC 84	TUES
SM 5018 Policy Formulation	9 OCT 84	18 DEC 84	TUES
SM 5026 Computer Applications For Managers	9 OCT 84	18 DEC 84	TUES
CM 5013 Contract Changes, Term & Disputes	9 OCT 84	18 DEC 84	TUES
SM 5000 Financial Accounting	10 OCT 84	19 DEC 84	WED
SM 5002 Financial Management & Control	10 OCT 84	19 DEC 84	WED
SM 5013 Behavioral Science & Management	10 OCT 84	19 DEC 84	WED
SM 5074 International Logistics	10 OCT 84	19 DEC 84	WED
M 5042 Applied Statistics	10 OCT 84	19 DEC 84	WED
SM 5001 Managerial Accounting & Control	11 OCT 84	20 DEC 84	THUR
SM 5005 Economic Environment of Mgmt II	11 OCT 84	20 DEC 84	THUR
SM 5007 Managerial Statistics II	11 OCT 84	20 DEC 84	THUR
SM 5016 Labor Relations	11 OCT 84	20 DEC 84	THUR
SM 5028 Data Base Management	11 OCT 84	20 DEC 84	THUR
CM 5017 Contract & Subcontract Formation	11 OCT 84	20 DEC 84	THUR
OR 5511 Principles of Product Assurance	11 OCT 84	20 DEC 84	THUR

Approval has been granted for Veterans Administration tuition assistance for eligible persons. For information contact F.I.T. Resident Director. 876-1581 or visit the Center in Building 7446 Warehouse Road, weekdays between 0900-1630



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MIA takes two wins in civilian softball action

BY CHRIS PLITT

MIA took two victories in the final week of play in the civilian softball league.

The team beat RADS 16-14 as Doug Street had four runs batted in, Jack Cunningham went three for five with three RBI, and Alton Lewis went three for five. MIA beat SIO 26-2 as John Womack went four for five with four RBI, Cunningham went three for four with four RBI, and Doug Street went three for four.

In other games the Cougars smashed P&P III 21-5, Dr. Zoom clobbered CPO 23-1 and beat Thiokol 16-10, the Stallions nipped MLC 12-10, and the Express defeated Pershing Project 15-6.

Ken Lomax led the Cougars with four hits while Bob Peagler, Dan Smith, Charles Blackburn, Lenord Hatcher and Homer Reynolds each had three hits. Blackburn was the winning pitcher.

Dr. Zoom's win over CPO was led by Ken McCormick who went three for five with five RBI. John Warden went three for four; Bill Schultz, three for four with two RBI; and Henry Freeman went three for four with two doubles. Dr. Zoom whipped Thiokol behind Clay Peake, four for four with three RBI and a triple; Perry Pederson, three for four, five RBI, two triples and a double; and Ken McCormick, four for four with two RBI.

The Stallions got past MLC as Gary Payne went three for four with four RBI. Blair Johnson contributed by going three for three with two RBI; Ken Moore went two for three with an RBI; and John Pitcher went four for four with a home run in the last inning. MLC was led by Jeff Willis, three for four with two singles and a triple; Greg Bliss, two for four with an RBI; Bob Johnson, two for four with a double, tri-

ple and RBI; Sandra Recio, two for three and an RBI; Austin Watson, two for four with three RBI; and Tim McGinnis, two for three.

The Express whipped Pershing Project as Charlie Mellis had four hits and Charles Owens got three hits. Don Stout, Joe Rivermonte, Ed Jordan, James Fletcher and Bill Leatherwood had two hits apiece. John Douglas and John Pea each collected inside-the-park homers. Fletcher was the winning pitcher.

Standings

East Division		
	W	L
Cougars	19	3
RADs	18	4
MIA	14	8
T&E	14	8
F&A	13	9
Express	10	11
Thiokol	10	12
SIO	7	15
P&P III	2	20

West Division		
	W	L
Stallions	20	2
Rachels	16	5
Dr. Zoom	13	9
MLC	8	14
COE	6	16
Pershing Proj	4	18
CPO	1	21

Army Reserve group honors original member

The last original member of the Army Reserve's local 543rd Signal Corps was honored Sunday on transferring to a new unit after 25 years with the signal group.

First Sgt. Paul M. Osmer received a plaque and a gift in a 3 p.m. ceremony at the new U.S. Army Reserve Center on Patton Road. He has transferred to

the 3392 U.S. Army Reserve School in Huntsville to train as an instructor.

He was the 543rd Signal Corps' highest ranking enlisted soldier and was the last of the original members who formed the group 25 years ago.

He is employed locally by the Boeing Co.

Volksmarch planned as community event

A volksmarch event that will include the local civilian community is planned here this fall.

SSgt. Charles Begley, NCO in charge of morale and welfare, said committees working under School Brigade CSM Joseph Webb are planning the event which is scheduled Nov. 3.

"The post will be open that day and we hope to have other activities too," Begley said, including possibly a "football jamboree".

Past volkmarshes held here have been limited to those with an arsenal affiliation but the civilian community will be invited to take part in the Nov. 3 activities.

The volksmarch will be a 10 kilometer (six mile) trek that begins at the NCO Club, turns west toward the hospital and then turns south across Madkin Mountain.

The volksmarch or "people's walk" is a family-type social event popular in Germany in which people pay a small entry fee and receive a medal or other token prize for completing a walk over a scenic, measured course. Plans for the volksmarch include having authentic German beer available, Begley said.

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ANNOUNCEMENTS

Retired federal employees

Sen. Howell Heflin, D-Ala., is scheduled to speak to the Huntsville Chapter of the National Association of Retired Federal Employees (NARFE) at 10:30 a.m., Saturday, Sept. 8 at the Hilton Hotel. A luncheon will follow the senator's speech. Current federal employees are invited to attend. Tickets are \$6.50 each. To register call 881-7430/6863. Tickets will be available at the door for those who have registered.

Kitten found

A tabby kitten wearing a blue collar has been found on Crowell Drive. For information call Susan Carr 837-8484.

Warrant officers

The next monthly meeting of the Redstone Arsenal chapter of the U.S. Army Warrant Officers Association will be held in the officers club at 11 a.m. on Sept. 5. All warrant officers, including retirees and non-members, are invited to the luncheon and meeting. For more information call WO 1 Edward Banville 876-1461.

Bloodmobile

The bloodmobile on Friday will be at building 5414 from 7:30-11:30 and at building 4488 from 7:30-12. For more information call Donna McVay 876-7621.

Recreation Center

Tonight - Air hockey at 7 p.m. Thursday - Bingo at 8:30 p.m. Friday Ping pong at 7 p.m. 240

Hispanic Heritage week

Art and handicrafts from the Hispanic world will be exhibited in various buildings on post for National Hispanic Heritage Week, Sept. 10-16. Other activities include a luncheon at the Officers' Club at 11:30 a.m. Thursday, Sept. 13; a Mexican fiesta-pinata for children at 1 p.m. and an Hispanic Mass and Pot-luck supper at 6 p.m., both at the Post Chapel on Saturday, Sept. 15; and an Hispanic folklore dance at the Recreation Center at 7 p.m. Sept. 16. For more information call Juan Manchego 876-4475 or Cathy Gant 876-3436.

Turkey shoot

Outdoor Recreation is sponsoring a turkey shoot Sept. 8 from 11 a.m. to 3 p.m. Rain date is Sept. 9. Prices are \$2 per shot on a turkey, \$3 per shot on a ham. Participants will use 12-gauge shotguns and they can use outdoor recreation's shotguns. The event is open to active and retired military, their family members, DA civilians, and contractors authorized on post. For more information call 876-4868.

Hunters' safety

This year's safety orientation for hunters is held every Monday and Thursday, except holidays, at 6 p.m. at the Outdoor Recreation Center in building 5127. Those who wish to hunt on Redstone Arsenal must attend. For more information call 876-4868.

Retired officers

The Huntsville Chapter of The Retired Officers Association will hold its first meeting of the 1984-85 term today, Aug. 29, at 11:00 in the Officers' Club. A buffet style luncheon will be provided (dutch treat) before the business of the meeting takes place. Col. Arthur Ousley is the newly installed president.

Lost watch

A man's Seiko watch silver in color was lost Aug. 19 at a tennis court on Goss Road. Contact Robert Schlarb 882-9449 if found.

Flag football

A clinic will be held Sept. 10-11 at 6 p.m. on the football field in preparation for the flag football season which begins Sept. 16. For information call 876-2943.



Carpool Hotline



Madison

Ride wanted from Mountain Lodge Apartments in Madison to building 4505, hours 7:30-4 (flexible). Diane Higgins 876-4860.

Athens

Carpool wanted from Athens (college vicinity) to 4484, hours 8-4:30. Glenda Norton 876-1165.

Carpool members wanted from Athens to BMDSCOM, hours 7:45-4:30. Toni Hamley 895-5761.

Huntland

Carpool wanted from Huntland to area of Cajun Drive, hours 7-3:30. Bobby Tucker 876-3801.

Scottsboro/Section

Carpool wanted from Scottsboro/Section areas to Redstone/MSFC, hours 7:30-4. Donna Ray 876-5924.

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Personnel institute gets new name

WASHINGTON—The U.S. Army Institute of Personnel and Resource Management at Fort Benjamin Harrison, Ind. was recently renamed the U.S. Army Soldier Support Institute.

The name change assigns an "umbrella title" for the Training and Doctrine Command support institute's eight separate schools and five related missions.

Schools coming under the institute are adjutant general, finance, community activities, computer science, ROTC, recruiting and retention, soldier physical fitness and the school of music.

Related missions include the directorates of soldier advocacy, doctrine and combat development, evaluation and standardization, training and doctrine and the office of analysis support. (Arnews)

Congress approves student travel funding

WASHINGTON—The Army's military student travel program has been revitalized by congressional approval of an additional \$1.9 million.

The program was designed to give students one round trip annually from their overseas home to school in the United States. However, since May 15, the Army has been funding travel only one way. The approval will allow the Army to resume funding travel both ways.

Congress has also modified the program by permitting travel to be funded only to and from the U.S. port of entry or exit, with cost of travel within the U.S. being borne by the traveler. This portion of the program will go into effect on Sept. 1.

The legislation is awaiting the president's signature. (Arnews)

Sure-pay study

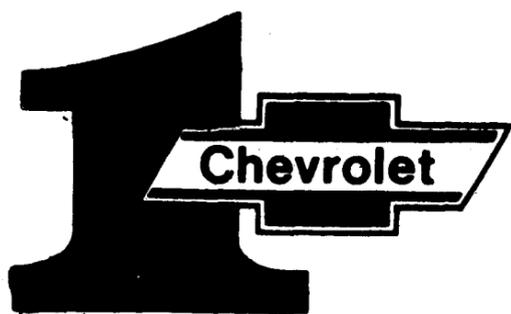
(Cont'd. from Page 1)

sonal financial plan being developed by each soldier not on sure-pay; requiring sure-pay for all soldiers assigned to a unit with a deployment mission; phasing sure-pay in by having new recruits sign up for it in their enlistment contracts; and for the Army to remain on "voluntary" sure-pay with more emphasis being placed on educating soldiers and their family members on the benefits of the program.

Results of the group's study, along with the decision of the Army Chief of Staff regarding which option to implement, should be completed in early October. The Army will report its decision to the Congress by Dec. 1.



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23 MKT 301	Provisioning	3	TR	1900-2030	CCN 204
23 MKT 311	Intro To Procurement	3	MW	1900-2030	CCN 204
23 MKT 407	Advanced Procurement	3	TR	1730-1900	CCN 209
23 MKT 415	Logistic Support Analysis	3	MW	1600-1730	CCN 209
23 MKT 422	Physical Distribution	3	MW	1600-1730	CCN 224
23 MKT 424	Contract Administration	3	MW	1730-1900	MFAB 205
23 MKT 428	Integrated Logistic Support	3	TR	1900-2030	EMS8 003
23 LOG 427	Quality Control	3	TR	1600-1730	CCN 209
23 LOG 430	Inventory, Mngt., & Prod Control	3	MW	1900-2030	CCN 209
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Classes Begin					September 5
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Classes End					December 10
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Medical general receives top German decoration

WASHINGTON—Germany's highest award to foreign officers, the "Federal Armed Forces Commendation Cross in Gold" was recently presented to Maj. Gen. Floyd W. Baker, commanding general of the Army's Health Services Command.

The German Defense Minister's Award recognizes Baker's "exceptional service and meritorious contribution" toward cooperation between the United States and West Germany.

The medal, which German officials say is seldom awarded, was presented by Lt. Gen. Heinz Kasch, the

German Army's deputy chief of staff.

In making the presentation, Kasch pointed out Baker's role in a 1979 exchange of medical personnel for training and the standardization of work, operational procedures and equipment used by both American and German military forces. Baker's most recent assignment in Germany, said Kasch, "promoted partnership relations on all levels between the medical services of the United States and the Federal Republic of Germany."

"As I saw our American and German forces planning, working, conducting exercises and also playing

together," said Baker, "I gained confidence that all soldiers, should they be wounded in another war, will receive high quality medical care no matter in whose hospital they might be cared for."

Prior to being named to his present position, Baker spent two years as commander of the Army's 7th Medical Command in Heidelberg and, at the same time, held positions of chief surgeon for U.S. Army Europe and Seventh Army and as surgeon in the U.S. European Command. He has spent eight of his 31 years of active duty in Germany. (Arnews)

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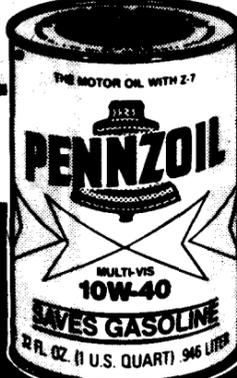
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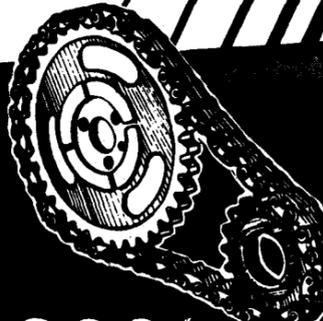
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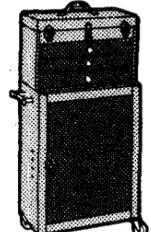
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Finding a place to live has been tough at times

BY ED PETERS

With more than 1,100 houses on Redstone Arsenal, most soldiers who want to live on post can.

It has not always been so. There have been times when families assigned here were hard put to find a place to live. Housing was scarce on post and also in the surrounding community. Government civilians who came to work at the arsenal could not find houses and were lodged temporarily on post in old barracks partitioned with Beaverboard into family quarters.

Boom times at the arsenal have been marked by acute shortages of housing for the workforce.

In World War II only a select few were afforded family quarters on post. There was a military and civilian workforce here then on the order of 15,000, but only about 20 houses.

Several farm houses here when the arsenal property was purchased were used as military residences.

In 1942, five houses that are still in use were constructed on Bomford Drive for military officials of Huntsville Arsenal whose headquarters was nearby in building 110.

A year later in 1943, at the opposite end of the arsenal three houses were constructed for officials of Redstone Ordnance Plant. In 1947 seven more were built in this "headquarters circle" area behind building 7101.

Around this circle Redstone Arsenal's community life was centered in the early days of the missile program and for several years it was the most prestigious address on post. The flamboyant Maj. Gen. John Bruce Medaris lived in the house at 7121 Circle Drive. Brig. Gen. Holger N. Toftoy ("Mr. Missile") lived two doors down at the 7123 address.

These 10 modest, three bedroom frame homes "were our best quarters up till the mid-'50s", said Bill Smart chief of family housing branch here. They adjoined the command headquarters during one of the missile program's most dynamic periods. Across from the headquarters building was the officers club and next to that was the richly-appointed Goddard House where distinguished visitors were lodged.

Even though they were generals' quarters during a period of unprecedented free-spending at the arsenal, quarters 7121 and 7123 and the other 40-year-old "headquarters circle" dwellings never were changed by the missile-age occupants and are "just plain old houses", according to Margie Campbell, chief of Housing Management Division.

The houses are in good repair and will continue to be used even though the old headquarters building that fronts them is being torn down, housing officials say.

They are now occupied by senior noncommissioned officers. People don't seem to mind living there even though the neighborhood is no longer in the arsenal mainstream and is 10 miles distant from other family housing on post. "We have some who prefer the closeness of this (north) side of post but we've never had trouble assigning those quarters," Campbell said.

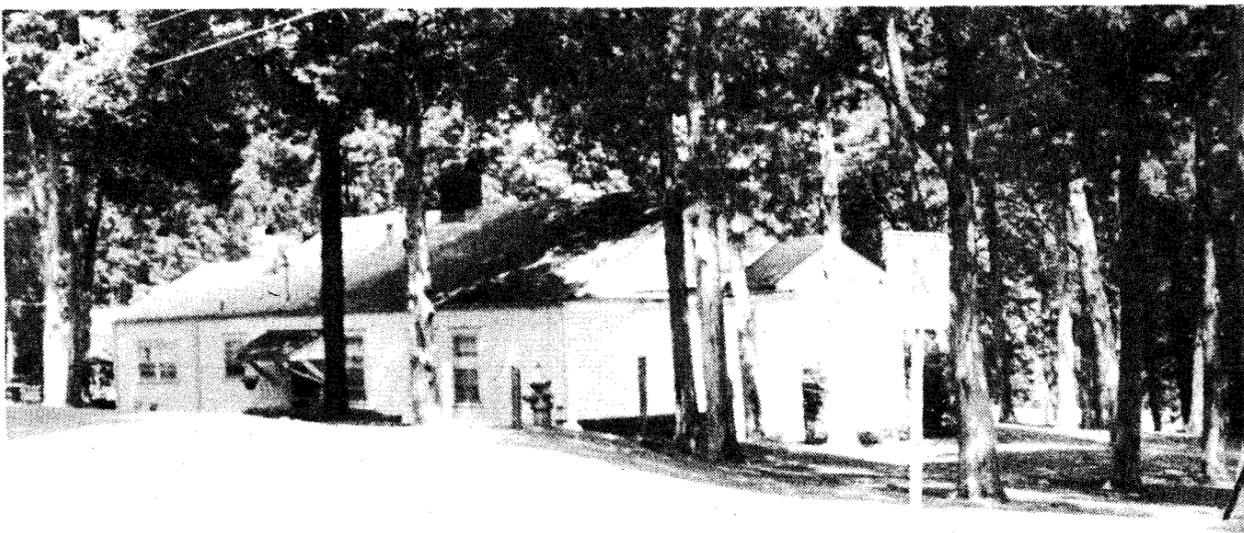
When Redstone's transformation from a manufacturing arsenal to a missile center began around 1950, the need for housing on post and in the community that had gone away at the end of the war reemerged.

"We've come through several eras here in family housing. At one time housing was so critical off post," Campbell recalls.

"In the '60s there were 16,000 people here and not a lot of houses out there," Smart said. "People were sleeping on porches and in garages."

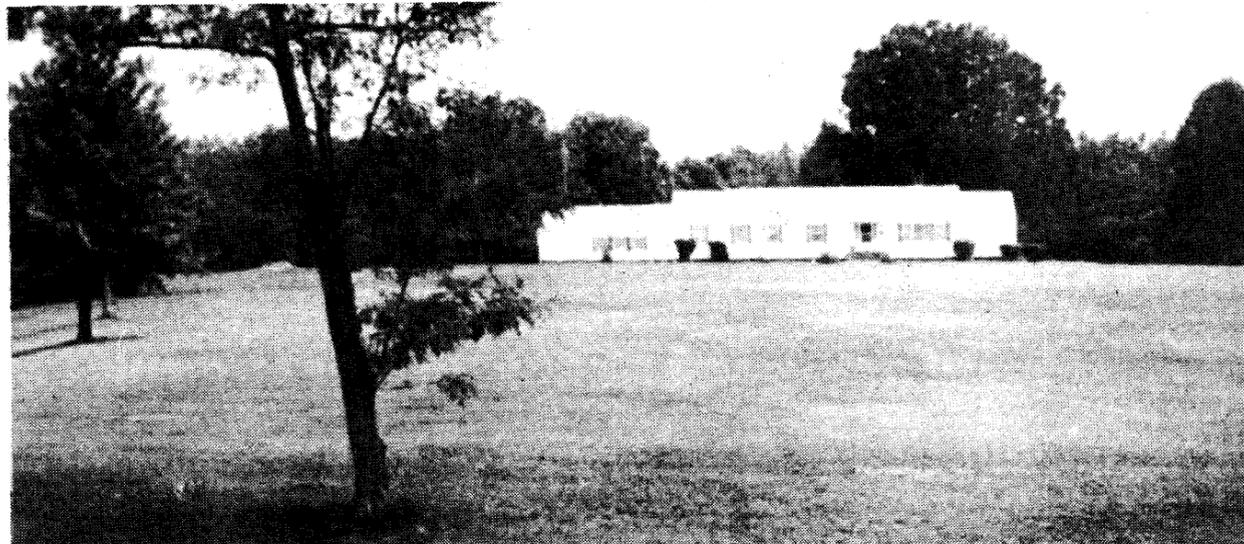
Neither Redstone Arsenal nor the Huntsville community was prepared for the influx of scientists, engineers and support personnel that streamed into the area behind the Von Braun team.

Despite the World War II boom years, Huntsville was still a small town in the early days of the missile program. In 1950, Smart recalls, the city limits were at



OLDEST HOMES — The first homes built by the Army on Redstone Arsenal were these tree-shaded dwellings on Bomford Drive. Constructed in 1942, they were quarters for

officials of Huntsville Arsenal with headquarters in nearby building 110 (the old Officers Club).



HEADQUARTERS CIRCLE — These homes constructed in the '40s behind building 7101 on Redstone Road were originally occupied by Redstone Ordnance Plant officials and

later housed the missile program's early commanders. Senior noncommissioned officers live in them now.

Drake Avenue, unpaved then and known as Donegan Lane. Campbell lived on Suggs Spraggins Lane, later paved and renamed Mastin Lake Road.

Builders were slow to react to the pressing housing need that developed here. "So many of these people were the older builders in Huntsville and they were cautious," Smart said, explaining that some contractors who had risen to meet the demand for housing in World War II were left holding the bag when the war ended and the arsenal closed. "Westlawn (subdivision near Governors Drive and Jordan Lane) was built during World War II and toward the end of the war they couldn't give those houses away," Smart said.

In 1951 a privately owned "Wherry" housing project was built on the arsenal to provide homes for military and civilian personnel of the missile program. The Army later assumed the mortgage on these homes and made them military residences exclusively. They are located on the south side of Goss Road in the area of the NCO Club. Government programs were used to promote housing in the civilian community for arsenal personnel, Campbell said. Developers received government incentives to build "Section 810" apartments which gave priority consideration to arsenal personnel. The Chateau apartments on Golf Road south of the main gate were constructed under this program.

There were other programs to promote building of

single family dwellings and to secure mortgages for arsenal workers. "In the late '50s and early '60s, a civilian working at the arsenal could hardly get a mortgage to buy a house. Everybody thought we were temporary," Campbell said.

A large number of the homes in Huntsville today were built for arsenal workers under the government's "809" housing program. "The government guaranteed FHA that if the installation were to close, then the government would share the loss," said Campbell.

"Civilians buying homes under FHA programs had to go through the housing office," she continued. "Builders wouldn't do like they do today — throw up a house and put it on the market. They had to have a commitment before they built that house."

"We had to satisfy FHA that the need was there. Many times the builder would not start building a house until he had the loan approved. That builder wasn't sure that Redstone was going to remain here."

"We've been through some tough times in housing."

Lakewood, Lily Flag, Woodmont, Normandale, Holiday Homes. . . Smart and Campbell recited a list of local subdivisions that owe their being to Redstone Arsenal. "Most of those in those homes originally were 809's," Campbell said.

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Redstone Park residents rode commuter train

Many of the people who flocked to Huntsville during World War II to work found homes in Redstone Park.

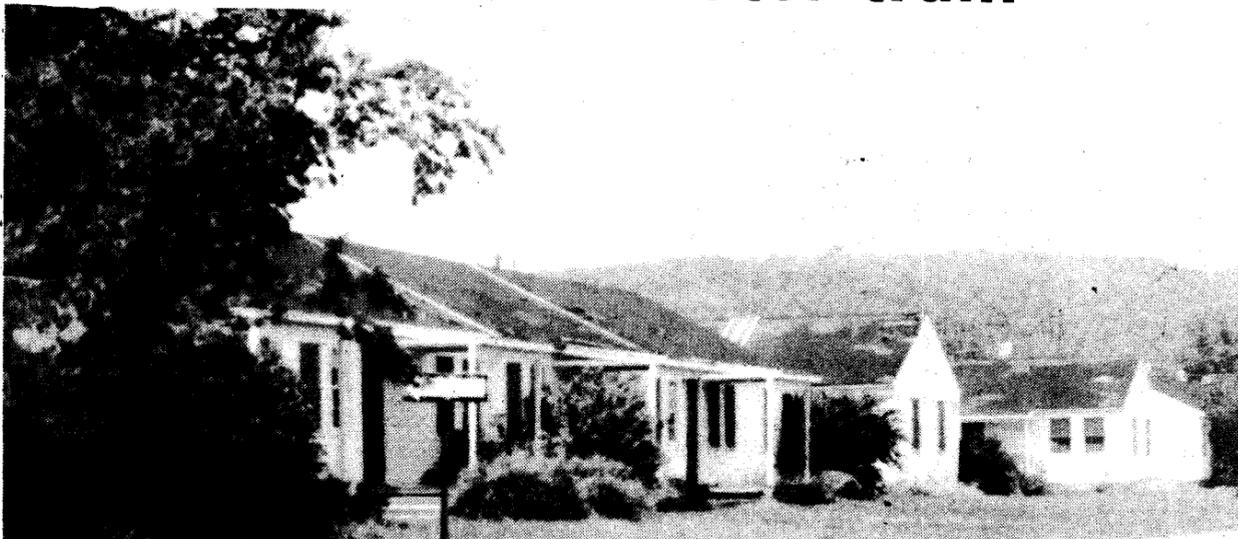
Redstone Park was a development of 300 dwellings constructed in 1942-1943 by the War Housing Authority for rental to Redstone Arsenal workers during a time of severe housing shortages in the local community.

Redstone Park was situated on a 65 acre tract outside Gate 2 on the north side of Buxton (Green Cove) Road at Farley. The community of arsenal workers had its own mayor.

Shortages of cars, gasoline and tires made automobile transportation difficult during the war years and a three-car passenger train shuttled commuters from Redstone Park to their jobs on the ammunition manufacturing lines here.

Redstone Park was operated by the Huntsville Housing Authority. After the war most of the small, white frame houses in Redstone Park were vacated but the housing project proved useful again when arsenal ammunition production lines were restarted for the Korean War and another housing shortage materialized.

In 1956 Redstone Park was transferred to Department of Army ownership and renovated for use as



REDSTONE PARK — These small frame dwellings were built for arsenal workers in World War II and sold and moved to new locations in 1966. The narrow streets still crisscross

military quarters. As newer quarters were built on post, Redstone Park's usefulness to the Army diminished. In 1966 a storm blew roofs off some of the dwellings and caused pipes to freeze and burst. The

the old housing project site, now a vacant lot across from the GTE factory at Farley.

Army decided then to dispose of all 300 dwellings.

They were sold and moved to new locations in north Alabama and adjacent states where they are still in use.

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Workers here share satisfaction of college teaching

BY SKIP VAUGHN

Teachers who come here to work during the summer are not the only college faculty members on post.

Fulltime workers at the Missile Command sometimes teach in their off-duty hours at college extensions and at colleges in the community.

They say they get satisfaction from this and mention extra income as a secondary reason. Here are some of the Army's contributions to the college teaching community:

Dr. Frank Rouse

Dr. Frank Rouse, chief of the MICOM organizational effectiveness office, has been teaching part-time at the University of Alabama in Huntsville on an as requested basis since about 1982. He previously taught for four years at Columbia College on post and before that taught a year at Snead State Junior College in Boaz.

At UAH he has taught organizational theory and also organizational problems in the school's graduate administrative science program.

"I'm finishing up a quarter right now in organizational theory," Rouse said Aug. 21. "In fact this week is the week of finals."

Teaching has been a longtime goal of this 49-year-old official who says that is a major reason for his work at the university.

"It's been one of my long-range goals from years back," Rouse said. "It's challenging and from that I mean I'm very impressed with the students. The quality of the students adds to making the job challenging. It keeps my mind sharpened in these (course) areas and it gives me a chance to share knowledges and experiences with the people from various local businesses and industry and, of course, it provides a little extra income."

Relationships develop with the students so they feel free to call him to discuss their organizational situations after the courses end, Rouse said.

He holds a doctorate degree in public administration from Nova University in Fort Lauderdale, Fla., a master's in administrative science from UAH, and a bachelor's in liberal arts from the University of Oklahoma.

Rouse has worked at Redstone since 1966. He served

in the past as an educational specialist, an equipment specialist, and as a career program administrator. He has been an organizational effectiveness consultant since October 1979.

"I plan to continue teaching at UAH on an as-requested basis and possibly upon retirement teach fulltime or part-time," Rouse said.

Dave Fisher

Dave Fisher, chief of recruitment and placement division at the civilian personnel office, taught a course on post in the spring quarter for Florida Institute of Technology. He instructed a course in personnel management and industrial relations when Luther Adams, then civilian personnel officer, was on sick leave.

"Mr. Adams was unable to teach the course that quarter due to his heart attack and the university asked me to give it," Fisher said. He has given presentations on post, for such things as the MMCS advanced officers course, but this was his only time teaching a course in a local college.

He would be glad to do it again. "It was a lot of work but it was enjoyable," he said. "The lesson plans are a lot of work. It's enjoyable because it challenges you to look at your chosen field, in my case personnel, from many viewpoints and to explain why something is done."

"When you teach a course in a college, you don't limit yourself to just the government side of the issue. You're teaching private industry too, so you also explore how they operate in private industry and the applicable laws that apply to their side in addition to ours," he added.

Fisher, 38, received a bachelor's degree in personnel administration and labor relations from Michigan State in 1968. He got a master's of business administration degree from Florida Institute of Technology in March. "Got it just before they had me teach," he said. "I've been going to school nights the last two and a half years."

He also did graduate work at the University of Michigan and Indiana University. Fisher has been at Redstone for three and a half years.

"I'd like to teach additional courses. Of course that'll be dependent on the needs of the university," he said.

Harold Jacobs

Harold Jacobs, a systems accountant in the Finance and Accounting Division, teaches principles of accounting at Columbia College on post. He filled the vacancy left when his brother, who was teaching, returned to school for a doctorate degree.

The course Jacobs teaches is normally offered once a year and is in two eight-week sessions for a total of 16 weeks. Jacobs has been teaching since the fall of 1982.

"I'm hoping if the laws don't change, if I'm able to retire at 55, what I'd like to do is go into teaching after I leave civil service," he said. He would like to teach nine months a year, minus summers, to supplement his retirement.

Teaching is something he likes to do. "I enjoy it, plus I just like to help students. The money is a secondary reason I suppose," he said.

"I think it's very rewarding because oftentimes I've had students that I've taught come back and say they have benefited from class or classes that they've had. I feel that it's rewarding in that you've had some influence in his or her life—even in determining what they would like to do in life," Jacobs said.

The 43-year-old accountant received a bachelor's degree in business administration from Oakwood College in 1963 and a master's of business administration from Alabama A&M University in 1976.

Jacobs has been an accountant here for 20 years. Unless he has to wait until age 65 before retiring, he said, he'll be teaching after he leaves.

Rey Edmondson

Rey Edmondson works in the new equipment training division of maintenance engineering directorate, Missile Logistics Center. He has been teaching at Athens State College, both on post and in Athens, since September 1976. He recently finished teaching a financial management class to 30 students.

Edmondson has taught business policy interpretation, personnel management, management strategies and policies, and financial management.

"I love to teach," he said before adding with a laugh, "That's the only reason any of us teach."

He enjoys seeing students improve their financial situations. Some workers in procurement and produc-

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tion directorate here have improved their career advancement by taking the courses, he said.

"You get immediate feedback from the students," Edmondson said. "Most of them are very enthusiastic and really want to learn. You can see that they're improving their lives by taking these college courses."

Edmondson, 48, received a bachelor's degree in business administration from Athens State in 1969 and a master's in business administration from Alabama A&M University in 1975. He has been at Redstone for 22 years. For about three years he has served as the new equipment training manager for the Hawk missile system.

"They say through teaching we learn. I guess I learn as much as the students do every semester. I normally read about 20 periodicals a week," he said, "to try to update the lesson each time I teach it."

Before coming to Redstone, Edmondson taught an officers' electronics fundamentals course for the Air Force from 1959-61. He had served in the Air Force before then.

"I think I'd like to teach fulltime when I retire," Edmondson said.

Juanita Sales

Juanita Sales, an attorney advisor in the legal services division of the legal office, taught two criminal justice courses last year at Alabama A&M University. The first semester she taught rules of evidence then the second semester she taught probation and parole.

"I thought from my experience as a lawyer that I'd have something to offer and I like the thought of teaching. I don't know, maybe lawyers just like to talk. I just thought I'd like teaching at the college level and I wanted to see what it was like," Sales said.

"I think young people can get motivation from seeing another young person achieving," she added. "I wanted to see what students today were thinking, too."

Sales found the students were bright but needed motivation and she felt she helped give that motivation.

"They did outside reading and I could tell from their research (that) they had to have learned," she said.

Among the class topics were the criminal justice system and whether prisons were the answer. "They came up with some innovative ideas," Sales said.

The 31-year-old lawyer received a bachelor's degree in social work from the University of Alabama in 1974. She got a law degree from the university in 1977.

"It (teaching) was a great experience. I really enjoyed it, I really did," said Sales, who has worked here almost three years. She isn't teaching this year. "I've got a son that just started kindergarten and he needs some help plus I've got different jobs in the office. It's more time consuming than it was last year," she said.

Maj. John Crum

Maj. John Crum, chief of the department of pathology (clinical laboratory) at Fox Army Community College, teaches for Calhoun Community College on post.

"I'm their whole science department, at least as far



Rouse



Fisher



Jacobs



Edmondson



Sales



Crum

as Redstone goes," said Crum. "I just finished teaching zoology. I also teach biology, beginning physics, and ecology. Ordinarily what I do is teach one or two courses a quarter. I like to teach two courses, I'm comfortable with that."

He taught for the Fort Knox extension of the University of Kentucky before coming to Redstone a little more than two years ago. About once a year he teaches graduate courses in biological science at the University of Alabama in Huntsville.

"I like (teaching) a lot and I'm good," Crum said. "It's personally fulfilling from the fact I think I'm the most effective instructor on post."

"And then the other reason I like to teach is I personally am interested in behavioral psychology and learning techniques at the secondary socialization level which means age groups of 19 to about 27," he said.

Crum, 41, has a master's degree in medical microbiology from Ohio State University, a master's in business management from Long Island University, and a bachelor's in zoology and physics from the University of Texas.

He believes that most teachers lecture to their students rather than teach. He said he tries to "make the course fun, interesting, entertaining and relevant."

"The role of the teacher is to make the learning process happen. We serve as a catalyst," Crum said. He plans to continue part-time teaching, pursue a graduate degree in behavioral science, and complete the requirements for teaching at the high school level in Alabama.

"I'll probably always continue part-time teaching at a college or university because it's part of my life style and keeps me intellectually alive," he said.

Soldiers teach ROTC cadets

Soldiers teach future officers in the Army ROTC program at Alabama A&M University.

Most of these military personnel live on Redstone Arsenal. They are assigned to A&M's Army ROTC detachment whose headquarters is the Third ROTC Region at Fort Riley, Kan.

"Right now we've got a total of eight officers and five enlisted folks," said Col. William Ware, the professor of military science at the university. "One of the

majors is a reservist on active duty."

These soldiers serve as instructors in A&M's military science department. Last year there were about 500 cadets. Classes this year start on Sept. 5.

"They (the soldiers) are very important in training," Ware said. "One of our missions is to train these cadets in the ROTC program so they can be commissioned in the United States Army as second lieutenants."

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Redstone a filming site for Air Force training film

BY JEFF WATSON

A film crew from California was at Redstone recently shooting part of a training film for the U.S. Air Force.

The 30-minute, color film was produced as an Explosive Ordnance Disposal recruiting film. It will focus on the different phases of EOD training, and the rigors of the program.

"The purpose of the film is to show what is expected from the airman when he decides to enter the EOD field," stated Air Force Lt. Joseph Thornton, commander of Detachment 1, 3429 Technical Training Squadron at Redstone. "It's a lot more demanding than most people realize. There is a lot of self-discipline and self-sacrifice involved in the training."

The five-man film crew had been shooting on location for 21 days, filming various segments of the film not only here at Redstone, but also at Langley Air Force Base, Va., and Indian Head Naval Ordnance Station, Md., before wrapping things up here.

The script for the film was in production for over a year before preparation for the actual filming began. Even though the film may sound short and easily produced, in reality a lot of hard work and planning has gone into the project.

"We have never done anything like this before," Thornton said. "The film crew told us what they needed and we did our best to perform. Also the Army gave us 100 percent support for our project. They bent over backwards to help us."

According to Bob Miller, the film's producer-director, the biggest problem for them was the logistics and the short pre-production time allotted for the film.

"When we make a film we usually have one week to prepare for every week we'll actually be filming. However because of some unforeseen problems, we lost about one-third of our preparation time, which



CLASSROOM SCENE--Preparing to film classroom scene are Bob Miller, producer-director; Joe Antczak, assistant cameraman; Arman Minasian, cameraman; and Lt. Joseph Thornton.

meant for some pretty long days of filming," Miller said.

The film segments shot here will feature approx-

imately 11 people from the Air Force Detachment at Redstone. 'Acting' as students and instructors, the airmen will be demonstrating some of the chemical-

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(Cont'd. from Page 14)

related aspects of EOD training, along with some of the less popular duties, such as physical training and inspections for the film.

Miller estimates that they shot approximately 15,000 feet of film for the entire production. Of that, only about 1,000 feet of film will be used in the final product.

"Actually that may sound like a lot of film, but that is about average for a film of this length," Miller said. "We were also very lucky during the shooting in that the weather held out the entire time, and everything went as planned. This was the first time that I had worked with the military and I thought they did a great job in helping us. Lt. Thornton was very cooperative and a real help in getting the job done."

Although the film is primarily for Air Force use, according to Thornton, approximately 80 copies are going to be made and distributed to various military bases and will be available for inter-service use.

The first review and edit is being made at Norton Air Force Base, Calif., in preparation for the final release, expected Jan. 1, 1985.



PHYSICAL TRAINING--Cameraman Arman Minasian films physical training while others with the film production look on. They are, from left, Ed Arentz, grip; Joe Antczak, assistant cameraman; Jay Gillman, soundman; and Bob Miller, producer-director.



BEFORE FILMING--Producer-director Bob Miller, far left, right, conduct a dry run before actual filming begins. watches as Soundman Jay Gillman and Grip Ed Arentz, far

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Armed services review operations at Hughes plant

BY BOB HUBBARD

Army, Navy and Air Force officials are scheduled to meet in Tucson, Ariz., Thursday to review and discuss the continued production of TOW, Phoenix and Maverick missiles and Hughes Aircraft Company's efforts there to improve quality and production processes.

The Hughes-Tucson assembly line has been closed since Aug. 9 following the discovery during an Air Force plant inspection of serious deficiencies in production quality of the three key missiles.

Because of those deficiencies, the Air Force last Wednesday, on behalf of all the services, announced that the government was halting progress payments to Hughes. Just a few days earlier, the Air Force notified Hughes officials they have 90 days to correct existing conditions and bring the quality level of all missile products into full compliance with government specifications.

Hughes has been directed to submit by Sept. 4 a comprehensive management plan to solve the deficiencies.

"Those are some of the things we'll be talking about tomorrow," said Col. James Lincoln, TOW project manager here. "We'll take a look at the corrective actions in the plant, what is being done to clear up the issues, and discuss criteria for resuming progress payments."

"We'll review what must be done to get the plant going again."

Lincoln said one of the problems, in the case of TOW, is retrofitting some 8,000 missiles still at Tucson, then getting them to customers. One deficiency found was a plastic device in the launch tube that supports and pays out the wire as the missile flies toward its target. The device, called a capstan block, did not meet Army specifications and while it would not have affected TOW performance and reliability, Hughes

agreed to rework all the missiles in the plant at their expense.

Elsewhere, plant deficiencies ranged from poor workmanship to inadequate translation of engineering specifications to production planning, failure of manufacturing personnel to follow planning documentation, and failure of management to ensure the flow-down of contractual requirements to operating levels.

Lincoln said TOW discrepancies included dents and scratches on assembled components and foreign material buried inside but none serious enough to affect missile performance.

"We've been conducting the 'fly-to-buy' program since production started," he explained. "Missiles are selected at random out of every production lot we buy and fired to verify performance, so we know TOW missiles work before we buy them," he added, explaining that the overall reliability of TOW since 1970 has exceeded 90 percent during firings.

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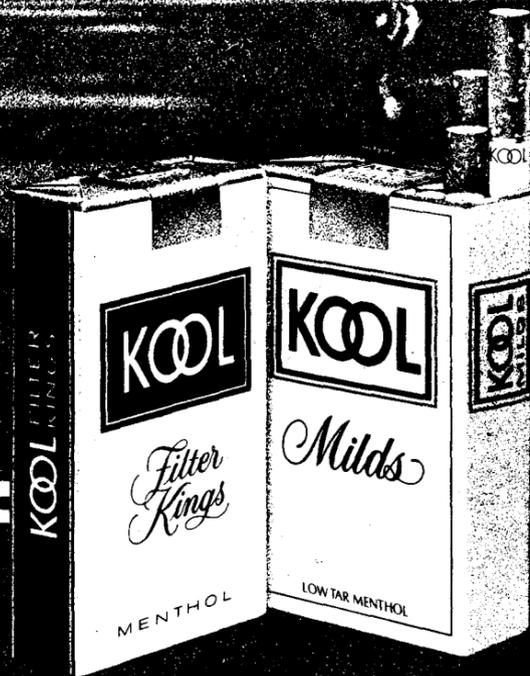




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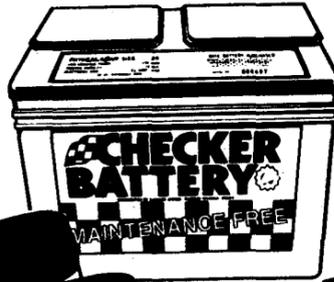
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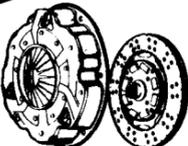
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For most domestic cars. Excluding semi-metallic.

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Rebuilt to highest standards for most domestic cars & light trucks.

DISCS \$500 OFF

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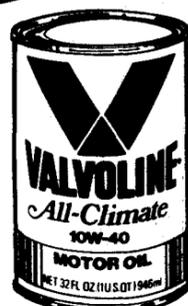


REBUILT FUEL PUMPS

Mechanical pumps available for most domestic cars & light trucks.

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VALVOLINE MOTOR OIL REBATE OFFER

10W-40 ALL-CLIMATE

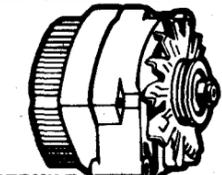
SALE PRICE: **.89** QT.

SALE PRICE ON 12 QTS: **10.68**

VALVOLINE REBATE BY MAIL: **-3.00**

FINAL COST AFTER REBATE ON 12 QUART PURCHASE: **64¢** QT.

Limit 12. Rebate details at store.



REBUILT ALTERNATORS

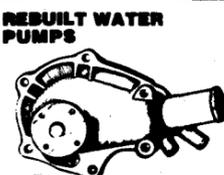
Available for most domestic cars & light trucks. WITH EXCHANGE

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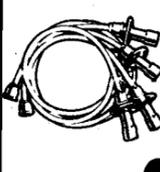
REBUILT WATER PUMPS

CHEVY 6 cyl. '63-'79 all engines, 8 cyl. '72-'79, '80-'83, '84-'85, '86-'87, '88-'89 engines. PONTIAC 8 cyl. '69-'79, '80-'81, '82-'83, '84-'85, '86-'87, '88-'89 engines. FORD 6 cyl. '69-'80, '81-'82, '83-'84, '85-'86, '87-'88, '89-'90 engines. PLYMOUTH 6 cyl. '69-'80, '81-'82, '83-'84, '85-'86, '87-'88, '89-'90 engines. '70-'75, '81, '84, '86 engines.

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WITH EXCHANGE

IMPORT CAR CENTER

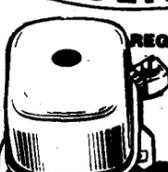


WIRE SETS

For most standard & electronic ignition import cars & light trucks.

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VOLTAGE REGULATORS

6 or 12 Volt, for most import cars & trucks.

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18oz liquid or spray. #T15/16

SALE PRICE: **3.97**

TURTLE WAX REBATE BY MAIL: **-1.00**

FINAL COST AFTER REBATE: **297**

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MARVEL MYSTERY OIL

Add to gasoline & crankcase oil for perfect top cylinder lubrication. Helps improve gas mileage, compression, & performance. One pint.

149

REG 2.39



AUTOTUNE WIRE SETS

Custom tailored for most domestic & import cars & light trucks. Standard/Electronic ignition.

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SPARK PLUGS

NON-RESISTOR

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Copper core plugs for most import cars & light trucks.

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For most Datsun, Honda, Toyota & Volkswagen.

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FREON 12 REFRIGERANT

Recharge your air conditioner now & enjoy cool driving comfort.

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Helps keep dashboards, seats, & tires looking new. 4oz., #13040

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It's Science. But It Works Like Magic!



40 PIECE SOCKET SET

1/4" & 3/8" Drive. Standard & metric sockets. Convenient carry case. #SS40

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For domestic & import vehicles. Complete, up to date instructions & illustrations. #7325/7328

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PROGRAMMABLE MUSICAL HORN

Plays 22 pre-programmed tunes or any tune your program yourself. #AH501

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Ignition cut-off, instant alarm. Helps protect your car against theft! #KD5000

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Needs no water. Grease & dirt wipe off with ease. 14oz., #12

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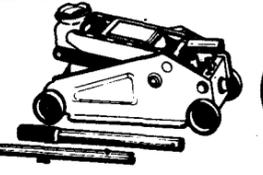
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Solid construction. Great for wheel changes & brake jobs.

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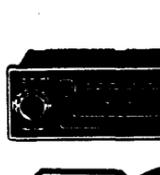


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36 Spoke custom-look covers with removable chrome basket. 13, 14, 15".

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Stereo features auto-stop, locking fast forward & eject. 6 Watt per channel max power output. 5 1/4" Mesh grille speakers have 20oz magnets & handle up to 30 watts. KID581/CX120F

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SIMULATED SHEEPSKIN SEAT COVERS

Bucket seat covers for year 'round driving comfort. #916

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