

# THE REDSTONE ROCKET

Published in the Interest of the Personnel of Redstone Arsenal

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REDSTONE ARSENAL, HUNTSVILLE, ALABAMA 35809

OCTOBER 28, 1970

## Gen. Betts Plans Final Visit Here

Lt. Gen. A. W. Betts will be making a farewell visit to the Army Missile Command next week as Chief of Army Research and Development.

Gen. Betts, who has announced he will retire in late December, is flying to Redstone Arsenal Monday where he will present an R&D Achievement Award to a Missile Command chemical engineer, Ben Wilson.

Monday night, Gen. Betts will address the North Alabama Tuberculosis Association at its Christmas Seal kick-off dinner, starting at 7 at the Carriage Inn in Huntsville.

The noted missileman will talk about what the Army has done, and is doing, to help civilian health programs.

Military and community leaders from Huntsville and North Alabama, including Senators John Sparkman and James Allen, have been invited to attend.

While at Redstone Gen. Betts



Lt. Gen. A. W. Betts

will be briefed on missile research in the Missile Command laboratories of the Research and Engineering Directorate and will watch anti tank firings on an Army test range.

## Col. Perkins Receives Legion Of Merit, Retires

Lt. Col. Sarah E. Perkins, chief nurse at the Army Hospital operated by the Redstone Arsenal Medical Department Activities, received a Legion of Merit Medal during retirement ceremonies Thursday at the hospital.

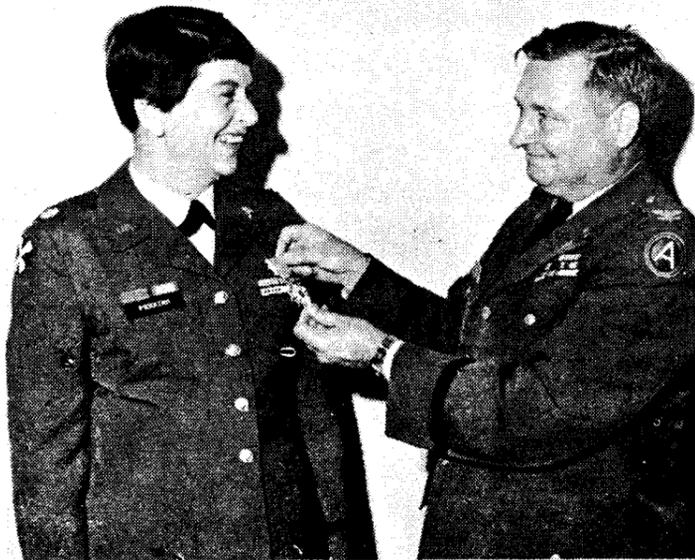
Col. Ernest M. Bralley, Jr., presented the award. He is director of the department and hospital commander.

The colonel's citation reads in part: Col. Perkins demonstrated outstanding professional talent and administrative ability in the management of her nursing resources. She developed standard nursing procedures within the hospital, developed an Interservice Training Program for the professional nursing and ancillary personnel and developed a high

degree of esprit among her civilian and military personnel.

"The maximum effort and personal sacrifice made by Col. Perkins were in keeping with highest traditions of professional and military performance. Through her leadership, the Nursing Service at the hospital reached the highest degree of competence and service."

The colonel, a native Alabamian, plans to live in Bessemer. During an Army nursing career that spanned more than 24 years, she served in field hospitals in Korea during the heaviest period of fighting, at Fontainebleau, France in Germany, and again in Korea where she was assigned at Pusan before coming to the Arsenal in January 1968.



LEGION OF MERIT—Lt. Col. Sarah E. Perkins has a Legion of Merit Medal pinned to her uniform by Col. Ernest M. Bralley, Jr. Col. Perkins was the chief nurse at the Army hospital connected with the Redstone Arsenal Medical Activities which Col. Bralley directs.

## Redstone Sets Public Deer Hunts

The U.S. Army Missile Command will open portions of Redstone Arsenal within the Wheeler National Wildlife Refuge for controlled public hunts for deer beginning early next month.

The public hunt is being authorized this year on a one time basis as a means of controlling the size of the deer herd on the installation. Federal and state game biologists have recommended that the herd be reduced.

Col. Preston B. Cannady, Deputy Post Commander, emphasized in making the announcement today that all persons planning to participate in the special public deer hunts must attend an orientation meeting at 9 a.m., Saturday, Oct. 31, at the Arsenal theater.

The theater is just inside Redstone's Gate 10 and can be reached by driving south on Jordan Lane in Huntsville to the Arsenal gate.

Civilian hunters will be required to present Alabama hunting licenses before being allowed to hunt. Participation will be limited to approximately 200 hunters each day and assignment to hunting areas will be made to military and civilian hunters each day on a first come, first served basis.

Full details of the system to be followed in applying for hunting areas and control measures to be enforced will be provided at the

(See REDSTONE on Page 3)

## CFC Lags Behind '69 Gift

"It's time to inject new drive," Abner McNaron, area coordinator of the Combined Federal Campaign, said early this week as the 1970 fund raising drive entered the crucial stages.

For the first time since the drive opened collections have fallen behind a year ago with \$472,157 banked after four weeks. At this time last year cash donations and payroll deduction pledges totaled \$480,861.

Two weeks of solicitation remain and McNaron called on agency chairmen to make doubly sure that all personnel have been contacted and given a chance to be a part of the annual crusade to support the many health and social

(See CFC on Page 3)

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## MICOM Receives Top Safety Award

The Army Missile Command has won the Army Materiel Command's highest award for safety.

Maj. Gen. Edwin I. Donley, Commanding General of the Missile Command, accepted the AMC Award of Honor for Safety during a ceremony in Washington last week.

This award is given each year to the one command having the best safety program within AMC.

Thomas W. Davidson, Missile Command safety director, praised those who made the recognition possible.

"Of all the safety awards the Missile command has won, this is by far the most important,"

Davidson said.

"We couldn't have made it without one hundred percent cooperation from all members of the Missile Command team."

Davidson, who has 23 years in the safety field, said the Missile Command compiled one of its better records during FY 70. Among accomplishments he named were:

—Army vehicles drove about eight million miles with two reportable accidents (costing more than \$50) per million miles driven;

—Worked 17 million man hours averaging slightly more than one disabling injury per million man hours worked;

(See SAFETY on Page 3)

## Gen. Burnell Heads Huntsville Engineers

Brig. Gen. Bates C. Burnell, Huntsville Division, US Army Corps of Engineers, was promoted to his present rank October 22, 1970, receiving his new insignia of rank from Lieutenant General Frederick J. Clarke, US Army Chief of Engineers, during the Division Engineers Conference at Chapel Hill, Tennessee.

Gen. Burnell has served as Deputy Engineer of the Huntsville Division since March 1969 when he returned from Vietnam where he commanded an engineer construction group.

Immediately following the promotion ceremony, Gen. Robert P. Young, Huntsville Division Engineer, announced that Gen. Burnell will succeed him in early December 1970, upon his departure for duty with Military Assistance

(See GEN. BURNELL Page 3)



Brig. Gen. Bates C. Burnell



OTHER DUTIES AS ASSIGNED — Capt. Rodney Tanaka, Aide-de-Camp to Maj. Gen. Edwin I. Donley, holds nine month old Kimberly Atwood while her mother pins on Daddy's new silver bars. Kimberly is the daughter of Lt. David Atwood, special assistant to Col. Louis Rachmeler, Deputy Commander, Army Missile Command. (See story on page 3).

# The Redstone Rocket

The Redstone Rocket is published weekly, on Wednesday. The publisher will receive editorial content for publication in the Rocket through the Information Office, Army Missile Command, Redstone Arsenal, Ala., 35809, Bldg. 5250, Room A-134, Extension 876-1400 or 876-1500.

All advertising copy and payments therefor are received by Mrs. Vergie Robinson, P.O. Box 346, Huntsville, Ala., 35804, telephone 534-4701, as representative of the publisher. Advertising deadline—both display and wantads—is 10 a.m. Monday before publication.

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## Rocket Ruminations

It is only what is good in man  
That wastes and withers there.

-Wilde



## Jes' Plain Will

On November 4, Oklahomans celebrate the birthday of the man that many people consider America's greatest humorist: William Penn Adair Rogers, or, as he would have preferred it, "Jes' plain Will."

Had he lived, the part-Cherokee Indian would have been 91 years old.

During the 1920s and early 1930s, both on stage and in his books and newspaper columns, Will Rogers made social criticism a fine art. He was so adept at it that no one since has been able to match his consummate skill at its practice.

What made Rogers so generally accepted and loved by both the general public and the people at whom his barbs were aimed was the congenial good humor in which they were sheathed. Although one might hesitate to say that his observations definitely changed the policies of the "establishment" of that time, it is reasonable to assert that the people who headed our nation when Rogers was alive certainly took his home-spun remarks and homilies into consideration, on occasion, to gain a better insight into the problems—and there were many—then confronting the nation.

Rogers' comments left an indelible direction sign on America's path of progress. He was, admittedly, a political activist—and an eminently successful one. But the changes he so subtly wrought were accomplished, not by carrying picket signs, nor shouting down his opponents with obscenities, nor dressing himself in outlandish garb, nor sniping with rifles, nor throwing brickbats, nor bombing and burning buildings, but, rather, by making people laugh at themselves and their problems, and then encouraging them to set the matter straight, in a peaceful, forthright manner. Rogers did not believe that it was necessary to destroy America to make it better; rather, he felt that America could be improved by closely examining its people and institutions, and then keeping what was best and improving what was not desirable. Above all, he knew that it is impossible to be angry and laugh at the same time.

Even after he had become internationally famous and had amassed a fortune, Rogers still retained his common touch, saying, "Shucks, I was just an old cowhand that had a bit of luck."

Will Rogers' lariat has lain still for more than 35 years. Perhaps we need someone who can learn how to twirl it.

(AFPS Editorial)

### Senior Service College Board To Meet

A DA selection board is scheduled to convene Sept. 15 to recommend 305 colonels and lieutenant colonels for Senior Service College (SSC) courses which will begin next summer. The board will consider approximately 1,000 individuals (all with 15 to 23 years of service as of SSC entry date) who have been nominated either by their career branches or the SSC Screening Board. Final selections should be announced by early December.

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**TOW BRIEFING** - Lt. Col. Cicero Council (Left) of the TOW Project Office briefs BG Francisco Iriarte Folache (Center) Deputy Director General of Industry and Materiel Army Central General Staff of Spain on the TOW missile system. The general and his party are shown during their recent visit to the Army Missile Command.

Veteran enrolments in VA education programs for 1970 was up an unprecedented 31 percent over 1969.

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OPEN EVENINGS



**SILVER BARS** - Col. Louis Rachmeler, Deputy Commander, and Mrs. Norma Atwood pin the silver bars of a first lieutenant on Lt. David Atwood. Lt. Atwood, special assistant to Col. Rachmeler, received the promotion during recent ceremonies at the Army Missile Command.

## Colonel's Assistant Promoted

Lt. David A. Atwood is the new special assistant to Col. Louis Rachmeler, Deputy Commander of the Army Missile Command. Lt. Atwood replaces Lt. Dennis O'Callaghan who will receive a new assignment within the Command.

Prior to being assigned to the Army Missile Command, Lt. Atwood was an instructor with the Missile and Munitions Center and School. Before coming to Redstone Arsenal, he was stationed at Aberdeen Proving Ground in Maryland.

Lt. Atwood is a 1969 graduate of Northeastern University in Boston, Mass., and holds a BS degree in electrical engineering. He is married to the former Norma Larson of Weymouth, Mass.

### CFC

(Continued from Page 1)

service agencies for whom the drive is being conducted.

The fourth weekly progress report indicated that 87 per cent of the assigned personnel of 12 Federal agencies and the Thiokol Corp. have joined in the annual campaign with donations averaging slightly in excess of \$29.

Cash donations have totaled \$106,897 with the remaining \$365,260 being pledged through regular payroll deductions.

Eight of the participating Federal agencies in the Huntsville area have yet to report their activity in the drive.

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## Gen. Burnell

(Continued from Page 1)

Command, Vietnam. Gen. Young has commanded the Corps' Huntsville Division since its activation in October 1967.

Col. Robert R. Wessels, recently returned to the United States from a tour as Commanding Officer, 36th Combat Engineer Group in Korea, will succeed Gen. Burnell as Deputy Division Engineer.

The Huntsville Division is responsible for the design and construction of the facilities for the Nation's Safeguard ballistic missile defense system.

Safeguard construction is now underway at the Grand Forks complex in northeastern North Dakota and the Malmstrom complex in northwestern Montana with site selection activities being conducted near Whiteman Air Force Base in Missouri and advance planning for installations near Warren Air Force Base in Wyoming.

## Dial 112

For

## Redstone News

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## Safety

(Continued from Page 1)

—MICOM contractor people worked nine million man hours and incurred only two disabling injuries per three million man hours;

—military personnel worked 346,000 man days with two disabling injuries per 100,000 man days;

—The aviation branch logged 5,348 flying hours and made 1,999 flights without a reportable accident;

Davidson said there was a savings in accident costs of \$169,559 over the previous year's record.

According to Davidson, three MICOM contractors completed FY 70 without a disabling injury. They were Lawndale Army Missile Plant, operated by Aeronutronic Division of Philco-Ford; Redstone Division of Thiokol Chemical Corporation, and the Shillelagh Missile Assembly facility, operated by Silas Mason Company.

In achieving 1,480,903 accident-free man hours, Lawndale also earned an AMC Award of Honor for having the best record within the Missile Command. Redstone Division of Thiokol Chemical

## Redstone

(Continued from Page 1)

orientation session on Oct. 31.

Firearms deer hunts open to the public will be held on Thanksgiving Day, Nov. 26, also on Nov. 28 and Dec. 12, 19 and 20. Shotguns not larger than 10 gauge or smaller than 20 gauge firing slugs are the only firearms permitted. Gun hunts will be restricted to buck deer only.

Civilians may also participate in deer hunts with bow and arrow only on Nov. 6, 7 and Jan 9, 10 and 11. Bow hunters with approved state permits will be authorized to take antlerless deer.

All deer hunting will be under the control and supervision of the Arsenal Deputy Game Warden and hunters must remain in the areas assigned to them by the game warden.

More than 4,000 acres of Redstone Arsenal are within the boundaries of Wheeler National Wildlife Refuge and will be open to authorized hunters during the public hunts.

Corporation earned the AMC Award of Merit for its 1,269,627 accident free hours.

## EVENING CLASSES

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Course No.	Course Title	Time Meeting	Day
S300	Introduction to Automatic Data Processing (Theory)	6-10 P.M.	MW
S310	Introduction to Computer Science (Theory)	6-10 P.M.	TTH
S320	Introduction to Cobol Programming (Theory-Lab)	6-10:10 P.M.	TTH
S330	Introduction to Fortran IV (Theory-Lab)	6-10:10 P.M.	MW

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FOR FURTHER INFORMATION CONTACT:

**Robert H. Hilton, Program Director**  
School of Technology  
Alabama A&M University, Normal, Ala. 35762  
Telephone: 859-0800, Ext. 212

# Tech Package Tells Best Production Plan

Like a man building a new house who gives his contractor a set of architect's drawings, the Army Missile Command has a full set of plans for buying and producing missiles. They call these plans a technical data package.

To reduce costs associated with assembling final tech data packages, army engineers start with a format which may be fleshed out as the missile moves through its life cycle.

"We start packages when we ask contractors how they would design a missile to fulfill an army requirement. Our definition of those requirements constitutes the first tech data package. Later, we take the best solution offered by contractors to develop a prototype; Specifications that spell out the solution make up the second tech data package," Horace Lowers, the Missile Command chief engineer, said. "Each phase, subsequently adds more material to the package.

"Problems arise in changes that are likely to occur. For example, if a contractor builds a prototype, components may be practically hand crafted, and we may get a missile that makes a perfect score during development testing.

"Later when we go into production using the same drawings, missiles components are not made with the designer looking over the shoulder of the craftsman to tell him to cut a little more here or there — that just isn't practical. The contractor may start using castings for solid parts perhaps, instead of hogging them from metal, and so you have a change. Just this difference in fabrication may result in changed performance.

"What we aim for is a tech data package out of development that contains what we need to produce the missile. Don't do it one way during development if that isn't the best rate production method, is the key here.

"Then later we incorporate changes in the missile life cycle, the more expensive they are. It's like building a house. If you tell your architect before plans are drawn that you want a two-story rather than a ranch house, it doesn't cost any more. If you change your mind about where you want a bathroom after drawings are prepared, costs start going up. If you decide on pink rather than

blue tile after construction has started, your bill goes even higher. But if you wait until the builders are all through to decide to move a partition, it is really costly."

"This is an oversimplified way to illustrate what happens as tech data packages are assembled," Lowers said.

"When drawings have to be redone, it becomes expensive, and I don't believe anyone ever redrew any plans without introducing at least one error. So we've had two new rules for almost six years now.

"First, preparation of production data packages is a contractual requirement in every engineering or operational systems development scope of work. And second, every drawing at the Missile Command's expense is the type that comes under full Government control and is prepared to Government specifications.



PROGRAM FOR THE REFINEMENT OF THE ACQUISITION PROCESS

"Among other problems that had to be solved were tech data packages from which catalogers could get an explicit description of items. In other words, we can't list something as just a gyro—we have to say exactly what kind of gyro.

"Packages must be such that all operation and maintenance publications prepared against the drawings reflect the equipment they were written to cover.

"We made progress when we started producing documentation that had been proven through prototype fabrication. Another step we took was to form a team made up of members from the Research and Engineering, Procurement and Production and Supply and Maintenance Directorates.

"We've made it a rule to hold detailed verification of tech data packages against hardware before we release an item to production, and we've made the rule stick.

"As a result, changes to correct drawing errors are down.



**NATIVE SON HONORED**—Paul Bolden (center) receives an Honorary Membership Card into the Redstone Arsenal NCO Club from Board of Governors president MSgt. John H. Lee (left) while the club's custodian Sgt. Maj. Fred James looks on. Bolden of Route 2, Ardmore, Tenn., is one of two Madison Countians who received the Medal of Honor for service during World War II. He is currently employed at the Army Missile Command. Bolden also holds the Silver Star, Bronze Star Medal with three Oak Leaf Clusters and the Belgium Fourragere.

Catalogers' complaints have stopped - they're on the review team. And we've recently gone competitive on several items, not on the second buy, our original hope, but on the first buy.

"We've attacked producibility problems on two fronts. First we have a Physical Configuration

Review by a team which includes production oriented engineers, and second we've done more production engineering during development.

"Since January 1966, it has been a Missile Command policy that 'the final model produced in the development program will be the

product of pilot-line production technique.'

"More concentration on testing before production has helped too, in the form of our fly-before-by concept.

"We're not perfect yet, but we're doing better," Lowers concluded.

## Huff Participates In Symposium

Jess B. Huff, an Army civilian at Redstone Arsenal, presided over the "Inertial Alignment and Terminal Guidance" session of the Fifth Biennial Guidance Test Symposium held recently at Holloman Air Force Base, New Mexico.

Huff is Director of the Inertial Guidance and Control Laboratory of the Army Missile Command's Research and Engineering Directorate.

Robert Yates, an aerospace engineer with the laboratory, also attended the three-day symposium.

Other participants included scientists and engineers from the Navy, Air Force, NASA, Federal Aviation Administration and private industry.

**Dial 112 For Redstone News**

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**THEY'RE HAPPY AWARD WINNERS**—If Charles Cox and Cleo Cason appear to be all smiles, there's a good reason for it. Both have just been given Meritorious Civilian Service awards. Maj. Gen. Edwin I. Donley, Commanding General of the Army Missile Command, presented awards to them during a recent ceremony at Redstone Arsenal. Cox is employed by the Product Assurance and Test Management Office while Mrs. Cason is Librarian at the Redstone Scientific Information Center.

**MONTE SANO TOUR**

The Service Club has scheduled a tour of Monte Sano State Park on Saturday for exploring, sightseeing and horse back riding. After the tour of the Park the bus will stop at the Mall for shopping.

The bus will leave the Service Club at 11 a.m. and return at approximately 4:30 p.m. All military personnel are invited to make the trip.

**Fris Schedules Wives Club Talk**

"What's to see in Huntsville" will be the theme of the Redstone Officers Wives Club luncheon scheduled Nov. 10, at noon at the Officers Open Mess.

Erik Fris Executive Director of the Arts Council, Inc. of Huntsville, is to speak on local cultural and artistic groups. Fris will present artists representing two of the Arts Council's members.

Several dancers from the Huntsville Civic Ballet under direction of Loyd Tygett and a quartet from the Sweet Adelines will entertain.

Members wishing to attend should make reservations by noon Friday, Nov. 6, with (A-F) Mrs. Richard I. Hart, 837-4264; (G-M) Mrs. Jack G. McNall, 837-6186; (N-S) Mrs. Wayne Stoller, 837-6645; (T-Z) Mrs. Kenneth D. Moore, 837-2213. Cancellations will be accepted by Mrs. David L. Gabardi, 837-5315, until noon Monday, 9 November.

**Mrs. Supples Earns Cup**

The Redstone Toastmistress Club met Wednesday at the Officer's Open Mess last week. They meet again Nov. 4.

Using the theme of "Friendship" the Toastmistress, Miss Barbara Simmons introduced: Mrs. Lillian Youell who gave an autobiography; Mrs. William McMullen and Miss Helen Nixon who gave extemporaneous speeches; and Mrs. John Ballou and Mrs. Steven Suttles who gave impromptu speeches. Mrs. Steven Suttles was awarded the best speaker's cup.

Mrs. Wanda Preston was topic-mistress. Mrs. Alfred Czachowski was voted best topic speaker.

Two prospective members were introduced: Mrs. Jack Balch and Mrs. Helen Childress. Ann Newberry was also a guest.

**Drive Safely**

**NCOs Set Military Ball**

Command Sergeant Major Charles A. Havner of the U.S. Army Missile Command, announces that the Second Annual Military Ball will be held on 11 December 1970.

This event scheduled at the Non Commissioned Officers Open Mess and will begin 7 p.m. with dinner at 8 p.m.

The uniform will be dress blues or greens for the men, and appropriate attire for the ladies.

All active duty and retired military members are cordially invited to attend.

Tickets go on sale on Oct. 29 at the Non Commissioned Officers Open Mess or they may be purchased from Unit Sergeants.

**Saturday Is Rock Swap Day In Mall**

The Huntsville Gem and Mineral Society are having a Rock Swap from 9 a.m. to 6:30 p.m. Saturday, at Dunnivant's Mall.

One important request is that swappers bring only swapping material of the quality which he would be glad to have. Various kinds of suitable swap articles are rocks, gems, minerals, fossils and artifacts. Bring what you have and see what we have.

Other features will include demonstrations of jewelry making, cabochon grinding, rock cutting with a diamond saw and a fluorescent material display.

**Sweet Adelines Set Dogpatch Evening**

The Space City Chapter of the Sweet Adelines will present a show that is billed as "good family entertainment." Featuring music and characters from Li'l Abner Theme," at the Huntsville High School Auditorium, Nov. 7, at 8:15 p.m.

Several outstanding women's barber shop quartets are featured in this production, among them are The Bron's Tones from Birmingham, the Kick-a-Poo-4, from Huntsville. The Space City Chorus will also be featured.

Tickets are on sale at the Civic Arts Center, 311 Clinton Ave. East., and at the Service Club.

Further information can be had by calling 881-7144.

**German Chorus, Army Band Will Present Concert**

A concert of German music will be performed this weekend at the Huntsville High School Auditorium at 8 p.m., Saturday. Admission is free.

The program will be presented by the German Air Force Defense School chorus from Ft. Bliss, Tex. The 45-member singing group was organized in 1966 shortly after the school was transferred from Germany to the United States.

The chorus has participated in numerous events in the U. S. Since 1968 it has appeared at German Day activities in Dallas, Tex. The concert in Huntsville is sponsored by the German Air Force Detachment here at the Missile and Munitions Center and School.

Also, during the performance, travelogue films of Germany will be presented. Redstone Arsenal 55th U. S. Army Band will also appear in concert with the chorus.

**Theatre Schedule**

WED., Oct. 28  
"The Mind of Mr. Soames" (GP)

THUR.-FRI., Oct. 29-30  
"Ice Station Zebra" (G)  
INCREASED ADMISSION: adults 50c, children 25c  
SAT., Oct. 31  
"Which Way to the Front?" (G)

SUN.-MON., Nov. 1-2  
"WUSA" (GP)

TUE., Nov. 3  
"Gaily, Gaily" (GP)  
Two shows nightly at 6:00 and 8:30 p.m. Sunday matinee at 2:00 p.m.

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**PAR THREE WINNERS.** Championship trophies were claimed by this quartet of golfers following conclusion of the Civilian Welfare Fund's Par Three Golf League season. Fred Hopper and Jim Linton teamed up to win the team title, Joe Brown was cited as the most improved player, and Billy East won the title for compiling the lowest individual average. Twenty-four duos competed in the summer league playing their matches at the Piedmont Par Three course in Huntsville.

# down Maple Lane



Leith, Speziale, Bates, Wetzel and Taylor. Anyone bowling in the School Brigade League last year will remember these names members of the famed Nike Track team. The team that derailed 94-Plus in the waning moments of the season and shocked other powerhouses in the league.

The team spent more time looking up to the leaders in '69. This year the Track has been flexing its muscles and as a result of a four-point sweep of Hq. Co. (formerly known as 94-Plus) last week joined the Delta 88s at the top of the loop. Both have 19-5 records with the 88s holding a total pin edge.

Of course the 88s were "doing their thing"—winning the first by a sizeable margin and then struggling to maintain total pin lead. Which they did. Co. A (thanks to the resurgence of the anchor man) marched on to win two points and again the 88s settled for a split of the series. The 88s did manage, however, to post the night's highest team single game (1098).

### TIGHT RACE

Standings in the league has gotten tight at this early stage. Co. D and Nike Track (19-5), Co. A and Co. B (16-8), Five Aces (15-9), Retired (14-0), Ammo, Co. C, 249th Ord. and Hq. Co. (13-11), 200th Ord. Marines and HAWK (11-13), Half 'n' Half (5-19), SSD (3-21) and Nike Acq. (0-24).

In the Redstone Officers Mixed League the D-Yanks have moved out in front by five points. The Hi-Counts, third last week have edged their way to second while the Bombers dropped into a third place tie with M&Ms. The Boosters, Redstones, Pin Droppers and Bowl Weevils round out the standings in that order.

The new first place team in the Officers Wives Club League is Team No. 3. But that is not a guarantee that they will stay

there as only four games separate the first eleven teams in the 16-team loop. Linda Pienkos posted the high game and series in league action. Linda had a 214 game and a 529 series.

### AJBC PATCHES

The Bantam Division of the AJBC has reported that five patches have been won by bowlers. The Bantam Division of the junior bowlers is made up of children between 6 and 13 years of age. Allen Makanani earned a 175 patch for his 177 game (look out dad here I come), Leslie Hunt shot a 153 for a 150 patch and Chyrl Heishman is now wearing a 400 patch for her 421 series. (Maybe some of us ABCers and WIBCers should join the Bantams and learn how the game is played).

Congratulations youngsters. By the way, the first place team in the AJBC Bantam Division has lost only one game in five weeks. Kathy Marvi, Eve Ates, Rodney Dinkel, Rod Reynolds and Devvie Bennett make up the team.

The highlight of the last week's action in the MMCS Officers League was the long awaited grudge match between the Secretary's Second to None and School Brigade's Bowling Detail. Unfortunately the contest resembled the biggest mismatch since Patterson-Liston (according to informed sources) Second to None, first place in the league, crushed the Detail for a four point win.

None was led by Harry Fleming's evening high 578 series while Detail was led by William Wallace's 503 series. A rally in the second game of the match, led by William Wallace, saved the Bowling Detail from losing total pins by less than 300.

Second to None (21-7) continues to reign supreme in the MMCS Officer's League. Competition for second place in the League is furious with Officer Training Dept., Student Officer Co., and the Misfits all sporting 18-10

# Police Blast Demons, 22-0

Student Officer Company, Missile and Munitions Center and School, maintained its hold of first place in the National League while the Demons from Co. D slipped to second behind the 291st MP Co. in the American League.

The new leaders of the American League bumped previously undefeated Co. D 22-0 and SOC thrashed 200th Ord. Det. 26-0 in last weeks play.

The Delta Demons' passing attack was ineffective against the MPs as the police defense kept Ira McKinney and Mike Quirk under pressure all evening. At half time the score was 6-0 MPs.

Student Officer Company, after a shocking 16-14 loss to Co. B two

weeks ago, bounced back to trounce 200th Ord. Larry Thrash scored three touchdowns and a point after to pace the SOC win. John Norris, on a 25-yard end sweep added the other SOC tally.

The defensive unit of the victors kept the 200th Ord. deep in their own territory most of the evening except in the latter part of the first half. The ordmen, after taking an SOC kick off at their own 20-yard stripe, marched to the SOC ten. The drive was halted when Joseph Patterson intercepted a pass in the end zone.

SOC has three more games remaining before post championships begin Nov. 3. Each league will be represented in the

tournament by the top four teams.

In the American League the top four appears to be 291st MP Co., Co. D, MICOM and Medics. The MPs have one more game on the docket as does Co. D. MICOM has finished its slate and the Medics have one more with the Demons.

In the National League it is a different story. Student Officer Company and Co. B are the top two teams but the other two places are up for grabs. The contenders all with a 3-2 record, have three more games to play. They are 249th Ord. Det., Co. A and the 6th ETC.

The post championships will be a double elimination tournament with four games being played opening night and two games on Wednesday, Thursday and Friday. The championship tilt is scheduled for Saturday evening.

# DeVault Bowlers Open WideGap In AMC League

The AMC-Civilian Welfare Fund bowling league has only gone through a fifth of their 30-week schedule but already a solid threat for the championship has surfaced with the DeVault Ultraprecisions rolling along at a record pace.

In each of the last two league sessions the DeVaults have been pitted against the occupant of second place and each time came home with a four-for-four sweep.

scores.

The "Dutchmen" took three from the "Loggers" to move out of last place.

The Banditos are still in first place in the Friday Night EM Mixed League by one-half game. The Everyday People moved from fifth to second place while the Wood Choppers are completely out of the top ten.

The Spotters jumped from sixth to third while the Bee Gee's also moved up a few notches to fourth. The only team not moving in a forward direction were the Chargers. The team plummeted to seventh place.

Jesse Hawthorne caused an uproar in the lanes Friday evening by posting a 690 series. Hawthorne rolled games of 198-265 and 227. An eight pin in the tenth frame of the last game prevented the 153-average bowler from hitting the magic 700.

The Five Splits and the Lucky Strikes are knotted at the top of the Redstone Officers League with a 18-10 slate. In gaining a share of the top spot the Splits rolled the highest handicap series for the year posting a 2970 set. On the individual side of the ledger 15 hit the half thousand mark and there over ten 200-plus games.

**HIGHS & LOWS:** M. Salopek 559-202, Jim Graves 542-221, Harry Kretlow 528, Richard Robinson 538, Ed Gorsynski 551, Buddy Creek 521, Jessie Hawthorne 539, N. Monday 547, Schmeltz 521-201, Bill Delchamp 526, Floyd Garner 524, Roy Henderson 520, Al Braun 560-216, Clayton Bales 550-203, Reta Webb 529, Fran Sullivan 510, Hank Brotherton 95 (are you kidding?), Linda Pienkos 529-214, 198-256-227; Shirley Cromartie 608, 213-216-179 for her second Pin Palace 600 patch.

Fernado Garcia 520, Ted Hensley 523, Harry Fleming 578, 202-208, Henry Beall 569-239, Russ Bergmann 568-208, Ralph Nearhoof 561, Garcia Morrow 551, 220; Bob Taylor 575, W. Hamer 547, Reb Hurst 540, Bob Harris 534, Dick Connolly 530, Lillian Rodeen 501, Bobbie Skinner 498, Emma Blair 500-211, Erna Schiro 495, Sally Gerheuser 491, Helga Winters 200 game, Rich Hailey 534, Matt Hailey placed third in Dixiebelles Tournament singles event at Pin Palace (after first round play).

## Standings

AMERICAN LEAGUE		
TEAM	W	L
291st MP Co.	7	0
Co. D	6	1
MICOM	6	2
Medics	4	3
Co. C	2	3
227th Ord. Det	2	4
7th ETC	2	4
9th ETC	1	5
Marines	0	6
NATIONAL LEAGUE		
Stu. Off Co.	5	1
Co. B	5	2
240th Ord Det	3	2
Co. A	3	2
6th ETC	3	2
200th Ord	3	3
5th ETC	2	4
UTC	1	4
1st ETC	0	5

### LAST WEEK'S SCORES

291st MP 22 Co. D 0  
MICOM 12 9th ETC 6  
Medics 14 Marines 8  
7th ETC 19 Co. C 6  
SOC 26 200th Ord 0  
MICOM 6 227th Ord 0  
291st MP 14 Medics 0  
9th ETC 14 7th ETC 0  
Co. B 16 200th Ord. 0

together a 556 including a 222 game. Noel Moore rapped a 551 count for the luckless Cats.

Jim Kyzer sat out the first two games and then came off the bench with a rousing 240 that got the Sprinters their split with Willie Wiggins and his fellow Bandits. Wiggins hit a 568 with 204 and 205.

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**BOW SEASON'S HERE** — SFC John Levan, deputy game warden, shows SP4 Grady McManus, a few things about bow and arrow hunting. Bow season for deer is now in progress and only bows with 40 lb. pull and 28 in. draw will be allowed. (no crossbows permitted.) Two deer have already been killed by Redstone Arsenal bow hunters this season.

## Scoreless Tie Ruins Hope for Double Crown

Two wins and a scoreless tie over a four-day period last week left the Redstone Rebels with a clear shot at one championship but only a glimmering hope for a second title.

The Rebs saw their hopes for the crown in the 95-pound division of the Huntsville City League all but vanish on Wednesday when they were held to a standstill by Western. It was their second tie to go along with four wins in seven league encounters.

But on Thursday and Saturday the Rebs chalked up wins in the 100-pound division of the Mountain League to maintain their chance for a half of the double championship that they were shooting for.

On Thursday the Arsenal youths handed Union Hill a 20-6 lacing as Ron Hollingsworth crossed the goal line three times to overcome an early touchdown deficit.

Two nights later Mickey Huffman and Hollingsworth scored six-pointers as the Rebels took the measure of Union Chapel, 14-0.

## Group Plans European Christmas Trip

Reservations for Redstone Recreation Association's European Christmas Flight will be accepted until Nov. 15, according to Irmgard Burose, the trip coordinator. The group leaves from Huntsville Dec. 17, and returns Jan. 2.

This is not a charter, but because of the interest in such an activity, the club has made arrangements for this flight at a greatly reduced group rate.

Persons interested in joining this flight are asked to call Mrs. Irmgard Burose at 536-8191 evenings, or the Arts Council Secretary during the day.

Information about the other programs of the Association, and membership, can be had by calling 852-6103, after 5 p.m.

## Chamber Music Program Set

The Huntsville Chamber Music Guild is presenting the internationally acclaimed QUARTETTO DI ROMA in concert at the Huntsville Junior High School on Sunday, Nov. 1, at 3 p.m.

Their program will include works for piano, violin, viola, and cello by Beethoven, Faure, and Brahms. As the name of the group implies, the members reside in Rome, Italy, although they have appeared on tour all over the world. They record for Deutsche Grammophon and two of the musicians teach at the Conservatoire di Santo Cecilia in Rome.

For tickets and information, contact The Arts Council, Inc., 311 West Clinton Avenue, Huntsville, Alabama 35801. Telephone 539-2592.

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## CWF Girls Start On Winning Note

Both Civilian Welfare Fund entries in the Huntsville Women's basketball league scored wins as the 1970-71 season got underway last week, but one of the two is doomed to defeat in this week's play.

The Missile Command fought off a determined RCA challenge to

claim a 53-52 win and Safeguard was forced to stage a late rally to come out with a 47-46 decision against Fashion Two-Twenty.

The two teams returned to the Joe Bradley Gym on Monday night to battle one another in the second round of play.

## Flying Club Will Meet

The Redstone Arsenal Flying Club will hold a general membership meeting and program Thursday evening at Toftoy Hall, building 3495. The meeting will start at 6:30.

Purpose of the general membership meeting is to approve the club's revised constitution and bylaws.

Representatives from the Federal Aviation Administration Flight Service facility at Muscle Shoals, Alabama, will show a film on FSS facilities and discuss the Atlanta Terminal Control Area.

Members and guests who plan to attend, should call Lt. Arnott at 895-5320 by 4 p.m. this afternoon.

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# Eligibility For Disability Spelled Out By Personnel

People eligible to retire from Federal Civil Service should consider all the aspects of applying for disability retirement before taking that action, according to a recent bulletin from the Missile Command Civilian Personnel Office.

The bulletin includes information from the Civil Service Commission concerning applications for disability retirement as revealed by a survey. The survey shows that almost one out of every eight applicants was old enough and had sufficient service to be eligible for the same benefits through optional retirement as through disability retirement.

Individuals are eligible for optional retirement if they are age

55 with 30 years of service, age 60 with 20 years of service, or age 62 with 12 years of service.

The bulletin indicates that through optional retirement, applicants would receive more rapidly, and without need for medical examination, the same annuity as through disability retirement; and the same benefits under the Federal Employee's Group Life Insurance and Federal Employee's Health Benefits Programs.

The Civil Service Retirement law refers to "disability" only as inability to perform useful and efficient service in the grade or class of position last occupied, and does not mean total disability for any gainful occupa-

tion, the bulletin explains.

Further, in some cases, disability retirement may be to the advantage of the individual if he is eligible for unemployment compensation and intends applying for it. If disability retirement is sought for this reason, the bulletin says, it is suggested that the individual first check with the appropriate unemployment compensation office about his possible compensation title under both optional and disability retirement.

Disabled persons age 62 or over and with less than 12 years of service who are otherwise eligible to retain life insurance and continue health benefits enrollment, can keep these benefits only if they retire for disability. Thus, disability rather than optional retirement is preferable for such persons.

The bulletin stresses that an unnecessary application for disability retirement not only delays action on the case, but, by the additional workload it creates, delays prompt action on the disability claims of those who are not eligible for full retirement benefits through optional retirement. Therefore if only those who will actually benefit by disability retirement seek it, all retirement claims can be more quickly settled.

Other important points to be considered are that an individual retiring for disability receives no Federal income tax advantage once he has reached the normal retirement age as defined by the Internal Revenue Service—age 55 with 30 years of service, age 60 with 20 years of service, or age 62 with five years of service.

A person retiring for disability may either use all his sick leave before retiring or have the sick leave added to his credit for an-

nuit computation purposes. A individual who retires optionally aid is incapacitated for duty has the same options, but to get approval to use sick leave, it is necessary to bring in a doctor's statement which must indicate that the person is incapacitated for duty and for how long it is anticipated he will be disabled. Nor is a waiver of prepayment for advanced sick leave dependent on a disability versus option-

al retirement.

Also, the bulletin says that in some instances a finding of total disability by the Commission is sought to bolster claims for disability compensation from other Government agencies or from private insurance companies, and although such a finding may lend some support to other claims, it is not conclusive.

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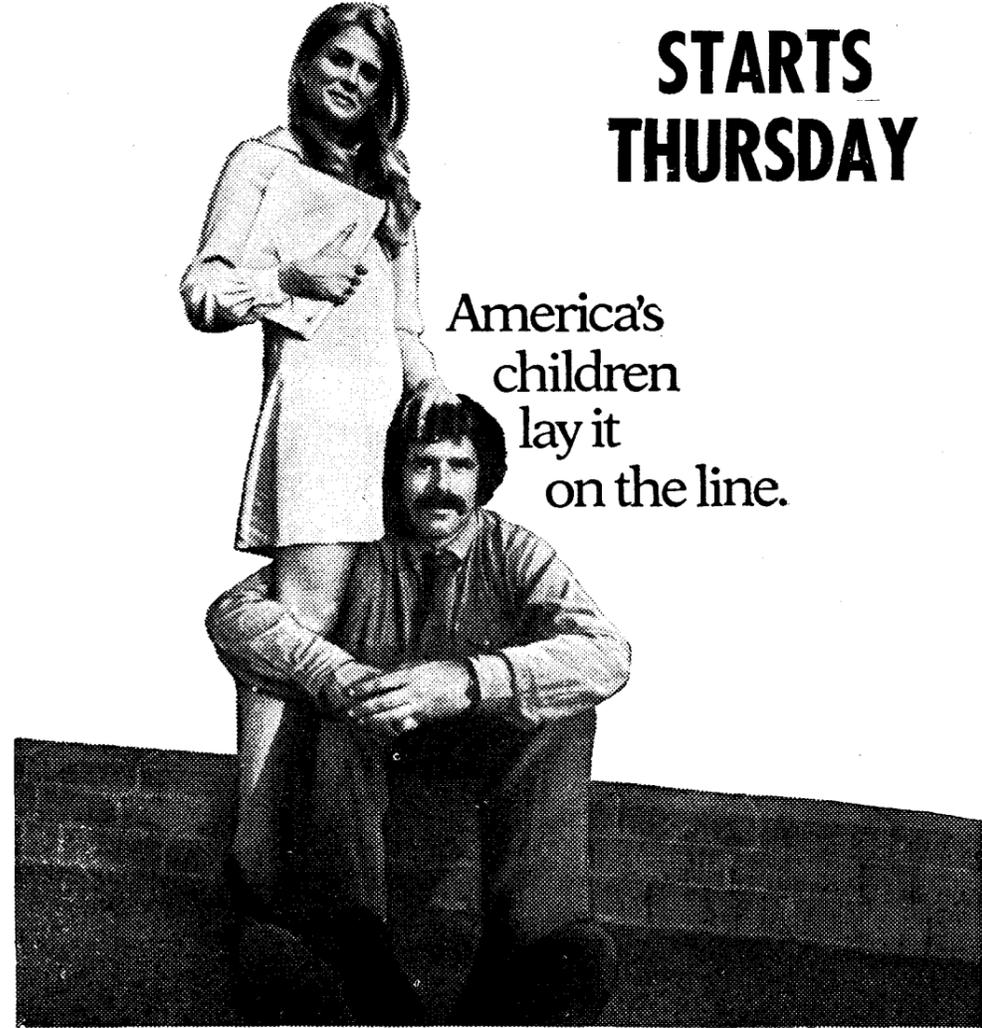
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**OLE ED STILL RUNNING**—John Debs, left, shows LTC R.E. Porter, Missile Command Inspector General, his 1959 Edsel stationwagon and the former owner's letter of certification signed by Maj. Gen. Holger N. Toftoy, former Redstone Commanding General. The Edsel, known as "Ole Ed" was purchased used by Debs in 1961 and now has over 109,875 miles on it and still going strong.

# 'Ole Ed' One Of Kind

John Debs, an Inspector in the Army Missile Command Inspector General's Office, and "Ole Ed" have been together for nearly 10 years and from all indications the partnership is going to last a lot longer.

"Ole Ed" is a 1959 Edsel Stationwagon that Debs purchased from a Huntsville used car lot in 1961. Even though the car was less than two years old and had only 18,095 miles on the speedometer, it already had a distinguished background.

This particular Edsel formerly belonged to Maj. Gen. Holger N. Toftoy, who was Commanding General of the Army Ordnance Rocket and Guided Missile Center of Redstone Arsenal from 1954 to 1958. Known as "Mr. Missile", throughout the Army, Gen. Toftoy was responsible for the development of the Nike, Corporal, Hawk and La Crosse guided missile systems and the initial development of the Redstone missile and Honest John rocket.

During World War II, Gen. Toftoy recommended bringing the German scientists who developed the V-2 rocket to this country instead of allowing them to be captured by the Russians. As a result of his recommendations Dr. Wernher von Braun and other leading German scientists came to this country and America became a missile and space power.

Because he was so widely known, Gen. Toftoy was asked to appear on the Ralph Edwards television program "This is Your Life" and he received the Edsel stationwagon as an award for appearing on the show.

When Debs purchased the car he was unaware that it was the Edsel owned by Gen. Toftoy, but he found an owner's certificate in the glove compartment telling about the car and signed by the General.

In the last nine years the 1959 Edsel wagon has become a familiar sight around Redstone Arsenal and the Huntsville area. Members of the family and the

fellows in the carpool nicknamed the car "Ole Ed" and now that's how it is always referred to by those in the know.

Using "Ole Ed" as a second car, Debs has driven it back and forth to work and since it is a 9-passenger wagon, he has taken his wife and their seven children on summer vacation trips to Madison,

Wis. Debs confided that his two youngest sons, Andy 8, and Patrick 6, had rather ride in "Ole Ed" than in the new family car. Since Edsels are rather rare now, Debs says people in the area recognize the car and wave even though he

doesn't know them.

Now "Ole Ed" has over 109,875 miles on the speedometer and the proud owner isn't even considering selling or swapping for another

car.

In fact Debs, who has been at Redstone since 1956, just may retire someday and take "Ole Ed" into retirement with him.

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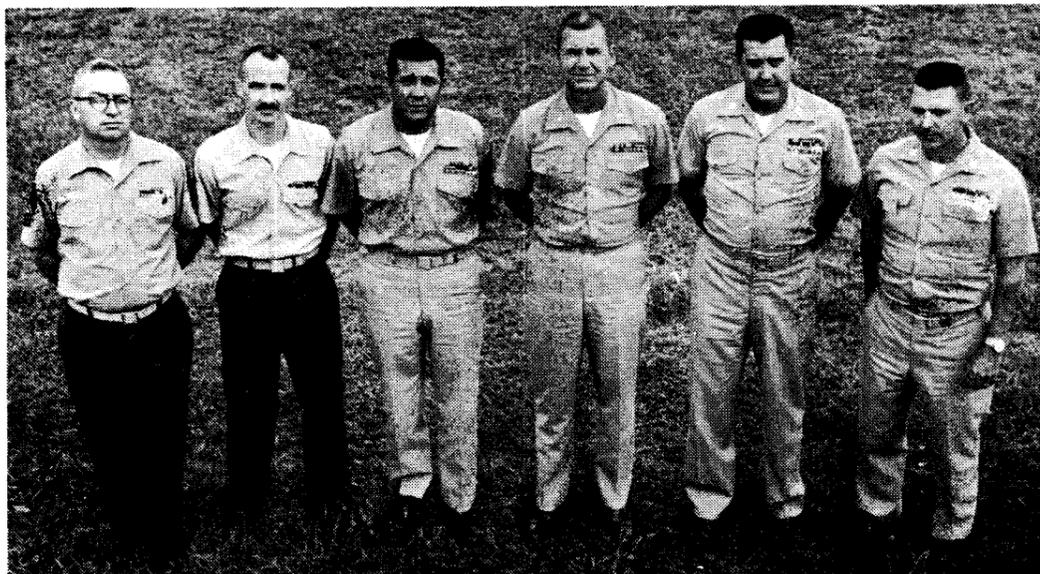
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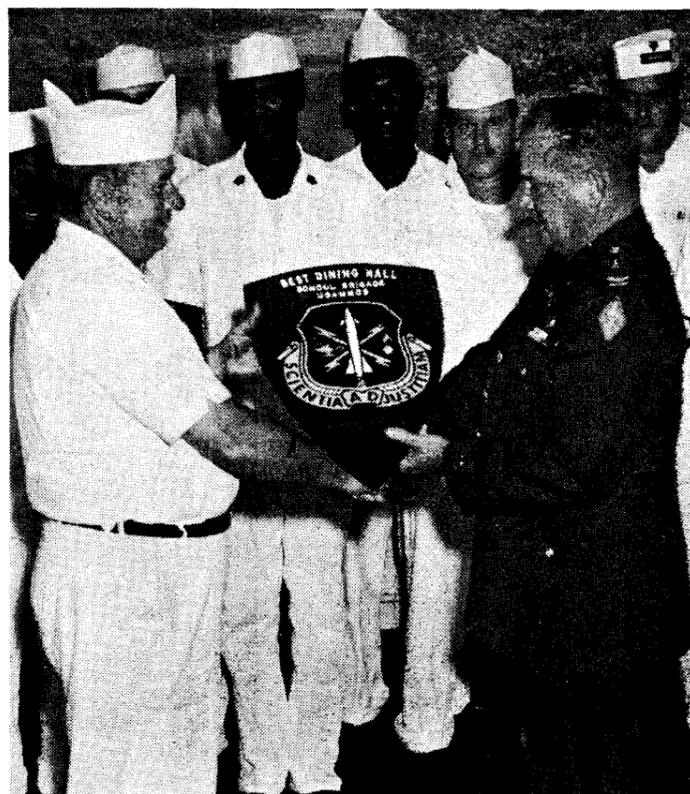


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**TOGETHER AGAIN**— This group of Leathernecks takes time out from the Marine Corps Surface-to-air Missile Systems Weapons Review Conference hosted recently by the Army Missile Command to pose for a reunion picture. They were members of a Marine Hawk missile battery stationed at 29 Palms, California in the early sixties, and this was the first time they were together since 1962. Pictured from left to right are Msgt. Robert MacDonald, GY-Sgt. Art Cohan, Lt. Connie Chavez, Lt. Col. Robert Fischer, Capt. Ron Balske and Capt. Harold Barber.



**BEST MESS AWARD**—When students and cadre of 3rd and 9th Enlisted Training Company, enter Mess Hall No. 2 they know that the food will be tasty and that the facility is spic and span. Why? The mess hall was designated as the School Brigade Best Mess for the First Quarter FY '71. The plaque was presented by Col. J. L. Keown (left) commander of School Brigade. Accepting the award is the mess steward, SFC William T. Faulk.

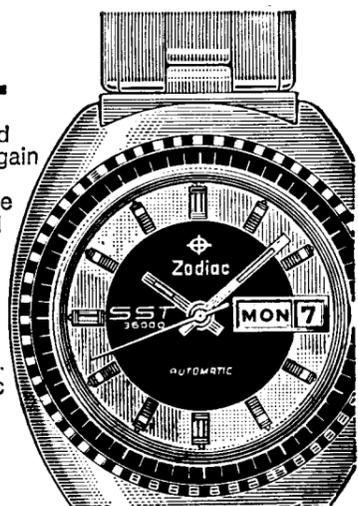


**ON CAMERA**—Lt. Col. Clyde Myers (far right) presents awards to personnel of the Office of Secretary during MMCS Take Five TV program. Recipients are left to right William Farpley, James George, Ike Ambrose and Romona Lindsay.

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### Communication Conference Starts Today

The Army Missile Command is host for the Sixth Annual Army Materiel Command Communications-Electronics-Audio-Visual Officers Conference which started today and will continue through Friday at the Ken-Bar Inn in Huntsville.

Maj. Gen. Edwin I. Donley, Commanding General, of the Missile Command was to welcome attendees this morning. The guest speaker for the conference banquet Thursday night will be Ollie E. Enquist, Western District Manager, Automatic Electric Co., Chicago, Ill.

Purpose of the conference is to inform Army communications personnel from all over the United States of new changes in Army communications policies, new concepts in communications and advances in equipment technology.

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 MSG Willard G. Johnson, Jr.

**COMMUNITY RELATIONS**  
 On Oct. 17, a number of MMCS personnel assisted the Huntsville Pacesetters Lions Club in holding their annual affair conducted to raise funds for charitable projects within the community. The event was held at the Ramada Inn. Assisting Vaughn E. Davison, MMCS Educational Advisor and Lions Club president were LTC Henry R. Arnold, MMCS executive officer, along with 1LT William D. Krebs IV, Office of Secretary. LTC Frederick C. Kleis, SFC Billy G. Allegood and Charles W. Jackson represented the Office of Operations. Participating from School Brigade were CPT Dennis F. Roerty, CPT William Wallace and 2LT Francis X. Burke.

**AWARDS**  
 The Secretary, LTC Clyde W. Myers, Jr., had good news for personnel of his department. One of the individuals has a larger bank account, two are continuing safe driving habits (we hope) and the other young man is aspiring for bigger and better things. A check in the amount of \$110 was presented to Waldon Tarpley, Foreign Liaison Div., for his suggestion that resulted in the publication of a special handbook for Allied students. First year tangible savings have been reported as \$1,120.

James George and Woodrow Leak each received Safe Driver Pins. George has driven 11 years without an accident while Leak recorded five accident-free years. Last, but not least, an Outstanding Performance Rating Certificate was presented to Ike H. Ambrose, Jr. of the Security Division.

MMCS Certificates of Achievement were awarded to SP4 Randall G. Chism and Winfred D. Henderson. Chism, who worked for the Office of the Commandant as driver for the Assistant Commandant, received the award prior to departing the command for Germany. SP4 Chism was cited for exceptional performance of duty during the period June 1969 to October 1970. Prior to being assigned to Co. A, Chism completed training as a Land Combat Systems Support Maintenance specialist with emphasis on the Redeye Missile System. SP4 Henderson, received his award for meritorious performance of duty as Senior Information Specialist in the Office of

Information during the period February 1970 to October 1970. Henderson's outstanding journalistic endeavors as a reporter for this column were foremost among his many achievements. We wish him luck in his new civilian status.

**OUTSTANDING INSTRUCTORS**  
 Four instructors in DIT have been named Outstanding Instructors in their respective departments. Three of the instructors are assigned with the Officer Training Department. They are Robert L. Kay, Theodore Angeloff and CPT Charles Johnson. Kay teaches in the Missile Division, Angeloff and Johnson is with the Munitions Division. At Missile Components Department SFC Aaron Davenport received praise for his instruction in the Electro-Mechanical Division. All received letters of commendation from the School Commandant.

**MMCS SOLDIER OF THE MONTH**  
 For the second month in a row a newly activated unit at Unit Training Command has produced the MMCS Soldier of the Month (there's no doubt in anyone's mind that he will be Redstone Arsenal's Soldier of the Month). This month the honor goes to SP4 David Cox of the 90th Ord. Det.

Cox is a light air defense systems electronics repairman and is a graduate of the Land Combat Maintenance course. He calls Seattle, Wash., home and entered the service last May. After completing basic training at Ft. Lewis, Wash., Cox began training at MMCS.

Congratulations SP4 Cox, we're pulling for you in the post competitions.

**POPULATION EXPLOSION . . . ?**  
 Not really. Keeping this \$110 million global training center in operation requires manpower. And the newest additions to the manpower pool are CPT Robert V. DeJong and 2LT Frank X. Burke.

CPT DeJong has been assigned to the U. S. Army Unit Training Command as range officer with the Explosive Ordnance Disposal Division. He comes to the school from Aberdeen Proving Ground where he attended the Ordnance Career course. He earned his commission through ROTC from the University of South Dakota



CPT ROBERT V. DEJONG

and holds a bachelors degree in education. CPT DeJong entered active duty in July 1965 and has served a tour in Vietnam.

LT Burke is the Assistant Adjutant at School Brigade. The Irvington, N. J. native has been on active duty since August this



2LT FRANK X. BURKS

year. A graduate of Seton Hall University, where he earned a bachelor's degree in Government, he was commissioned second lieutenant through the ROTC program. Welcome aboard gentlemen.

**NEW ADMIN. NCO AT SCHOOL BRIGADE**  
 MSG Gordon O. Chalenburg has replaced MSG Franklin T. Holmes as S-1 NCOIC, School Brigade. MSG Chalenburg formerly served as 1st Sergeant of Co. C and HHC. He came to MMCS in March 1970 from the 7th Inf. Div., Korea. MSG Holmes has departed for an assignment in Frankfurt, Germany with the 3rd Armored Division. Good luck MSG Holmes.

**GRADUATION SPEAKER**  
 A combat-experienced Explosive Ordnance Disposal Officer will be the guest speaker at the

**Scout Roundup**  
**November 14**

Scouts and leaders from Huntsville and throughout North Alabama, about 3,000 strong, will gather at Redstone Arsenal Nov. 14 for the annual Tennessee Valley Roundup Awards Ceremony.

To be hosted by the Army Missile Command and the Missile and Munitions Center and School, the ceremony will conclude a two-month Scout drive to increase membership and upgrade units.

Maj. Gen. Edwin I. Donley, Commanding General of the Missile Command, is roundup chairman for the Tennessee Valley Council.

In addition to presentation of awards, the program will feature performances by the 20th Special Forces Group (Airborne), the Huntsville Youth Band and activities of the Redstone Arsenal Fire Department.

As a special feature, the Scout dog detachment from Fort Benning, Ga., has been asked to perform.

Company B Detachment of the 20th Special Forces, under command of Major Curry Turner, has scheduled a parachute jump and will demonstrate rappelling techniques. The unit will also show Scouts a variety of static displays.

The 150-member Huntsville Youth Band, and majorettes, will perform during the day. The band is sponsored by the Huntsville Police Department and has been directed by Danny DellaCalce since its formation in 1963.

MMCS graduation exercises on Oct. 30.

MAJ Thomas F. Hall, Jr., presently assigned as an instructor in the Logistics Division, Officer Training Department, was commissioned in the Regular Army in May 1962 with a B.S. degree in Chemistry from Ouachita University, Arkadelphia, Ark.

During two overseas tours, he served as commanding officer, 156th Ord. Det. (EOD), Ft. Wainwright, Alaska, and as an EOD officer with the 184th Ord. Bn., in Vietnam. His decorations include the Bronze Star Medal with "V" Device, 1st Oak Leaf Cluster.

MAJ Hall is also actively pursuing off-duty studies as a part time graduate student in the University of Alabama in Huntsville's recently enacted M. S. in Administrative Science degree program.

**ONE-A-DAY REENLISTMENTS**  
 Once again our re-enlistment NCOs have signed up an average of one person per day over the past fortnight by adding 44 man-years of talent for the Army with 14 re-enlistments.

Signing for six were MSG Ramiro M. Gonzalez and SP6 John W. Wilkins from Co. B and SSG Leroy Brown, Co. C SSG James R. Morgan, Co. D, took five years. The three-year men were: MSG Franklin T. Holmes, Co. D; MSG Paul Lawson, Jr., Co. B; SFC Harry W. Upton, Co. C; SSG Freddie Durham, Co. C; SP4 Lawrence A. Lincourt, Jr., HHC; and from the 4th ETC, PFC Scott W. McCoy and PFC Gene A. McMilliam, Jr.

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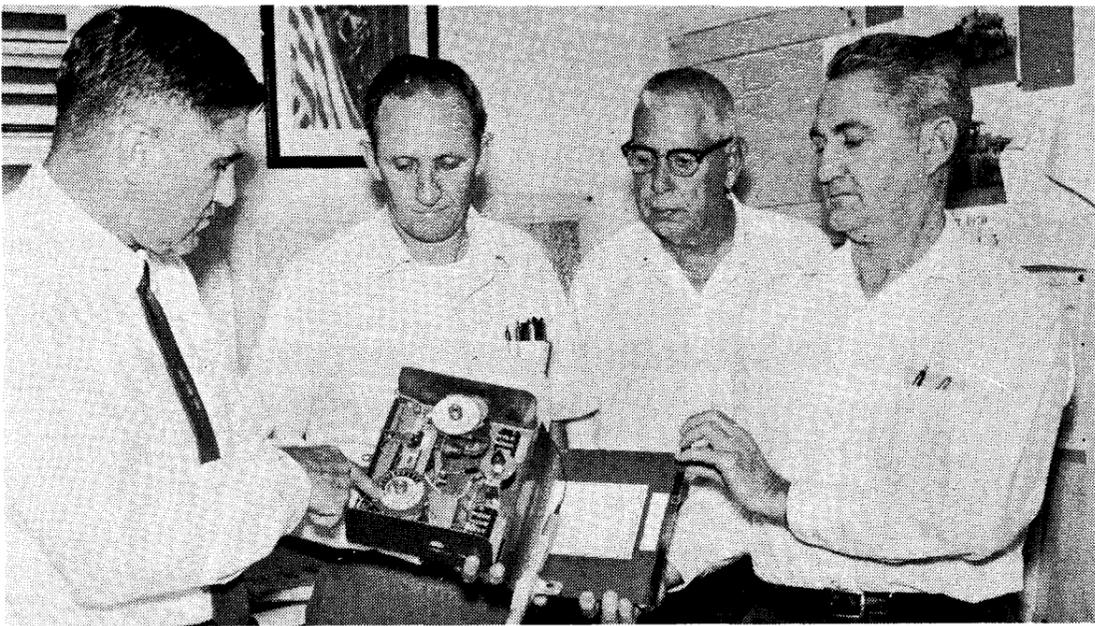
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**UTILITIES CONSERVATION**—Niles Prestage, left, chief of the Utilities Division in the Army Missile Command Post Engineer organization, shows plant operators the device that will control building heating based on outdoor temperatures when it is installed in heating plants. Left to right are, Leonard L. Crabb, Bob E. Lee and James E. Stone. Use of the control is part of the overall plan to conserve resources during the current fuel and electrical shortages.

## Prestage Reports Cooperation In Conservation Of Utilities

If you've noticed dark corridors in buildings at Redstone recently, and offices where people are working by natural daylight instead of the usual fluorescent illumination, there's a good reason for it.

It's because the Arsenal is faced with a shortage of coal and electricity, and everyone is cooperating fully to conserve utilities. According to the Missile Command Post Engineer, personnel Arsenal-wide have been completely receptive to the plans for saving fuel by lowering thermostats and leaving lights off

whenever and wherever possible.

The people operating the Redstone utility system are avoiding the word "crisis" but have come up with special management innovations to tide us through this time of shortages.

Niles Prestage, chief of the Utilities Division, in the Post Engineer organization, has been anticipating a fuel shortage for some time, and has formulated a concept he calls Close Surveillance Management, or CSM.

CSM is a mixture of good common sense and careful planning. "We talk about management theories, but putting solid feet on the theories is what counts," he said.

"I've told the managers of our various utilities - heating, electrical and sanitation - what principles they should follow to conserve our resources.

"For instance in the case of the steam generation business, by far the greatest single cost is fuel. Second is labor; third, spare parts; and fourth, chemicals and lubricants; for the Electrical Branch it is power consumption, labor, repair or spare parts; and

for Sanitation, it is probably labor, power, chemicals and spare parts.

"My original intent in enforcing CSM was a simple matter of economics and good practices in running our Government business. The fuel shortage has simply given added impetus.

"It is our policy to cut off heat where it is feasible to keep it cut off. We are delaying to the last possible hour before firing up one of the boiler plants."

Now this shouldn't be such a great problem with our good weather reporting system as we normally have temperature forecasts in advance.

"We've had the weather in our favor this year, so far. Since outside temperatures have been mild, it hasn't been necessary to fire up the steam plants as early as in previous years. Coal is being saved."

Prestage says he has a reputation for being a penny pincher, and he told his plant managers to be "stingy", yet to use good judgment and diplomacy in carrying out the instructions laid out in an Army regulation on space heating temperature standards.

He has had devices installed in several locations to control building heating based on outdoor temperatures.

The device is programmed so that, unless there is danger of freezing, heat will automatically go off and on at appointed times, and at specific upper and lower temperatures.

"We have installed this control that will cut off heat at 3:30 p.m. and put it back on at 6:30 a.m. Monday through Friday unless the temperature is in excess of 65 degrees outdoors. In that case the heat won't come on at all. Moreover, the control can be programmed for the heat to go off at 3:30 on Friday afternoon and not come on again until 6:30 Monday morning unless the temperature

## Appler Retires After Forty-Two Years Of Creditable Service

More than 20 years ago, Gilbert H. Appler moved from a life among horses and the Cavalry at Ft. Bliss, Texas into a life associated with the development of guided missiles and ultimately putting a man on the moon.

At the time, Appler, who retired from Civil Service this month with more than 42 years of credited time, was a Master Sergeant. He had been an administrator in the Arsenal Support Operations Directorate at the Army Missile Command since its inception as Redstone Arsenal's headquarters.

In fact, Appler was the first member of the rocket science team, composed mostly of Germans who had worked on the rocket program at Peenemuende during World War II, to arrive at the North Alabama site in January 1950. The Army had chosen Redstone Arsenal as headquarters for its rocket and guided missile program.

Appler was tapped to serve in the missile program as an administrator at a fortuitous time. In 1951, the Cavalry lost its horses. The main reason he was drawn into the mushrooming world of missiles was a working knowledge of German, both written and spoken. As a child he had used German to converse with his grandparents at Peoria, Ill., and later he studied the language in school.

The first member of the team to arrive in this country was Dr. Wernher von Braun. Appler recalls that his arrival at Ft. Bliss sent some of the people at the post into a dither over where to house Von Braun because the post had a sizable number of unrepatriated German prisoners of war.

While the discussion was underway, Appler was solving it by

taking the Doctor to the bachelor officer quarters and registering him. The German rocket scientists were here under contract to the Ordnance Corps, not prisoners. In the ensuing years, Appler became acquainted with many of their families as well as the men and women working in the program. It is Appler's name on approximately 80 per cent of their U. S. citizenship papers, declaring them men and women of good character.

After Appler retired from active Army service, he was hired as a civilian in a similar capacity to that held as a soldier—in administration of Personnel and Administration.

When the team with which he had so long been associated was transferred to the National Aeronautics and Space Administration, Appler chose to remain with the Army but his association with the individuals continued. He and his wife were among the spectators at Cape Kennedy to watch the liftoff of Apollo 11, guests of one of the original German team.

The Applers plan to continue to live in Huntsville where their roots are deep and their community activities varied. It was from here they launched their son, Donald, on a career as an Army officer. The Applers don't plan to retire from community life, or association with their Arsenal friends. But he does plan to take life easier.



**CIVIL SERVICE PERSONNEL**  
(Grades GS-5-GS-12) who are interested in becoming Associate Members of the NCO Club are asked to come personally to the NCO Club, Bldg 1500 RSA, Alabama between the hours of 1400-1700, Oct. 30, 1970. Please bring certification of employment.

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- 1957 CHEVY 2 door. It runs. .... **\$100.**
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- 1964 PONTIAC CATALINA 4 dr., air, one owner, only ..... **\$500.**
- 1963 PONTIAC TEMPEST 4 dr., 4 cyl, auto., Only ..... **\$450.**
- 1966 FORD FAIRLANE 10 passenger wagon, air and power, local car. Only ..... **\$1,350.**
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PHONE: 534-2404

## Army To Develop Helicopter

WASHINGTON (ANF) — The Army has been assigned responsibility for developing a Heavy Lift Helicopter (HLH) by Secretary of Defense Melvin R. Laird.

The just-approved HLH is the first new U.S. military

helicopter to be okayed for development in the last five years. It will be used by both the Army and Navy.

The HLH will be built to transport heavy or bulky logistic supplies and tactical

equipment. Its maximum lift capability exceeds 25 tons—more than twice that of U.S. helicopters now in use.

Col. William S. McKeown of the U.S. Army Aviation Systems Command, St. Louis, Mo., has been made program manager.

# AUCTION

FRIDAY, OCTOBER 30th

## 4 BIG SALES

ARAB, ALABAMA

SALE NO. 1 10:30 A.M.



FRAME HOUSE

—and—

COMMERCIAL LOT

Lot size 119x175x133. House and lot is located next to the Blue Bell Plant in downtown Arab, Alabama across from the hospital. To be sold to the highest bidder and you set the price! TERMS: 25% down day sale. Balance due in 30 days.

SALE NO. 2 11:30 A.M.

4 room house, bath, carport. Located at 219 NW, Second Avenue, Arab, Ala. TERMS: 25% down sale day. Balance due in 30 days.

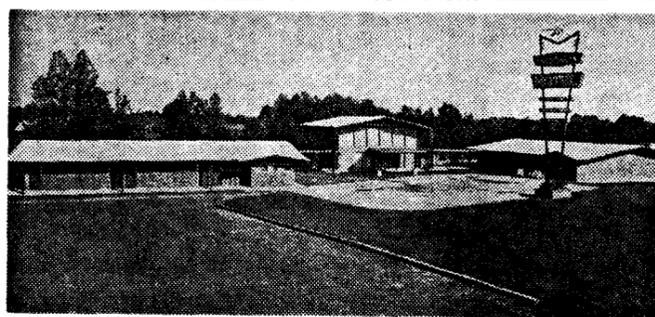
SALE NO. 3 12:00 P.M.

QUICK CLEAN

SELF SERVICE LAUNDRY EQUIPMENT

Located in downtown Arab, Alabama next to the former Barbecue King Restaurant Building. Everything goes including the equipment consisting of 25 pound \$1500 Glover Dryer, 6 washers, (20 washers in storage and need some repair), 2 gas water heaters and 1 coin changer. All to be sold to the highest bidder and you set the price! CASH.

SALE NO. 4 1:30 P.M.



SU ANN MOTEL

Located in Arab, Alabama on Highway 231 Bypass

The motel was built in 1963 and consists of 35 rooms including 3-room living quarters which have central heat and air conditioning, phones, television, ceramic tiled baths with tub and shower and carpet in all rental rooms and a 20x40 swimming pool and other recreation facilities. The motel is in excellent condition and is doing a wonderful business. There is also one building with a basement which is used for storage purposes. All to be sold to the highest bidder and you set the price!

This motel is one of the newest and most modern motels in Alabama. Terms of sale on motel 15% sale day. Balance due in 30 days or financing available. Call 539-4328 for additional information.

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# Four Graduate With Honors

"Gaining knowledge is only half the task. Compare the number of personnel you know who attended college and later ended up doing the same job as others who did not have that educational advantage. The ability to effectively apply new knowledge is almost as important as gaining it."



**MAJ. WILLIAM H. LOVE**

In his address to a Missile and Munitions Center and School (MMCS) graduating class of 47 students, including four German and three Korean graduates, Maj. William H. Love, guest speaker, discussed the importance of striving to improve job performance.

There were four honor students in the graduating class. Pvt. Stephen J. Corigan, Elmhurst, Ill., the high man, graduated from the Pershing Electrical Mechanical Repair course with a 98.4 average. Pvt. Lawrence R. Stone, Bremen, Ala., graduated from the Ammunition Storage course with a 96.8. The

other honor graduates were SGM Siegfried H. Zajontz of the German Air Force, who scored 95.3 in the Pershing Ballistic Missile Maintenance Technician course, and SP5 Michael P. McCauley,

## ROTC Scholarship Applications Must Be In By December 31

FT. MONROE, Va. (ANF)—High school seniors desiring to compete for nearly 1,000 four-year Army Reserve Officers' Training Corps (ROTC) scholarships should request application forms NOW.

Deadline for submitting ap-

plications is Dec. 31, 1970. The scholarships are for students who will enter college in 1971. They pay for full college tuition, books and lab fees, and provide the student \$50 per month.

Scholarship winners may attend any one of more than 250 colleges and universities throughout the 50 states, Puerto Rico and the District of Columbia which offer Army ROTC. Recipients may pursue any course of study which is recognized by the college of their choice and which leads to a baccalaureate degree. Following graduation from college, the student must serve as an active duty Army officer for four years.

Requests for scholarship applications may be addressed to Army ROTC, Ft. Monroe, Va. 23351.

Scholarship winners are selected on the basis of academic excellence, extra-curricular ac-

activities, physical standards, Scholastic Aptitude Test or American College Testing Program results, and evaluation of motivation and leadership potential following the student's appearance before a scholarship selection board.

The Army also plans to award about 400 three-year scholarships and 630 two-year scholarships to college men who are already enrolled in ROTC. Applications for these scholarships should be made to the professor of military science of the college or university in which the student is already enrolled.

Drive Defensively

Drive Defensively

### GO FOR THE LONG MILES

#### '69 CADILLAC COUPE DEVILLE

local, blue with a white vinyl roof...

\$4995

#### '70 PONTIAC GRAND PRIX

Burgundy with a black vinyl roof, power, air, steel wheels...

\$4495

#### '69 OLDS '98' LUXURY SEDAN

power, air, tilt wheel, power windows and seats...

\$3895

#### '68 OLDS '98' LUXURY SEDAN

air, power seats and windows...

\$3095

#### '68 BUICK ELECTRA 225

power, air, power windows and seats.

\$3195

#### '70 PONTIAC LEMANS SPORT

power steering, air, automatic, green with a green vinyl roof...

\$3380

### WARM AUTOMOBILES for WINTER!

presented by ...

JOE SARTAIN'S AUTO EXCHANGE

... these cars all have stored up goodies for those long winter miles, so drive in style and comfort this winter with one of these autos from our wide selection and surprisingly low price ranges!

#### '70 PLYMOUTH GTX

440 Magnum eng., air, power, local, 1 owner, low mileage, hood pins, hood scoop...

\$3795

#### '69 IMPALA CUSTOM CPE.

power, air, radial tires, vinyl roof...

\$3195

#### '69 IMPALA by Chevrolet

4 door, hard-top, 327 eng., air, power steering, blue with a black vinyl roof...

\$2995

#### '69 COUGAR

power, air, automatic, disc brakes, AM-FM stereo...

\$3195

#### '66 BUICK Riviera

loaded, like new...

\$2195

#### '69 PONTIAC GTO

4 speed, power steering

\$2385

#### '69 PONTIAC Bonneville Brougham

power, air, power windows, low mileage, a beautiful blue...

\$3395

#### '68 BUICK Riviera

power, air, windows, seats, AM-FM stereo radio, red with a vinyl roof...

\$3495

#### '69 TORINO GT by Ford

power steering, air, automatic, like new, hood pins, hood scoop...

\$2380

#### '69 MALIBU COUPE

power steering, air, automatic, 350 engine, green with a black vinyl top, low mileage...

\$2995

#### '68 Olds Vista Cruiser

10 Passenger, bubble top, air, power steering, automatic, beautiful wagon...

\$2795

Here's just a fast few of more than 75 to select from!

- '69 TRIUMPH SPITFIRE
- '66 Triumph Spitfire
- '65 MGB
- '68 VOLKSWAGEN
- '67 Mustang, V-8, 3 speed
- '66 Cutlass, 4 door, hard-top, automatic, power steering
- '68 Buick Electra, 4 door, hard-top, automatic, power steering
- '69 DODGE TRUCK WITH CAMPER, long wheel base, custom cab

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PHONE 536-7421

# DRIVE IN TO Firestone FOR DEPENDABLE CAR SERVICE

## GUARANTEED BRAKE RELINE



Here's what we do:

- Replace linings and shoes on all 4 wheels with new Firestone linings.
- Adjust brakes for full drum contact.
- Inspect drums, hydraulic system, return springs and grease seals.

# \$24<sup>70</sup>

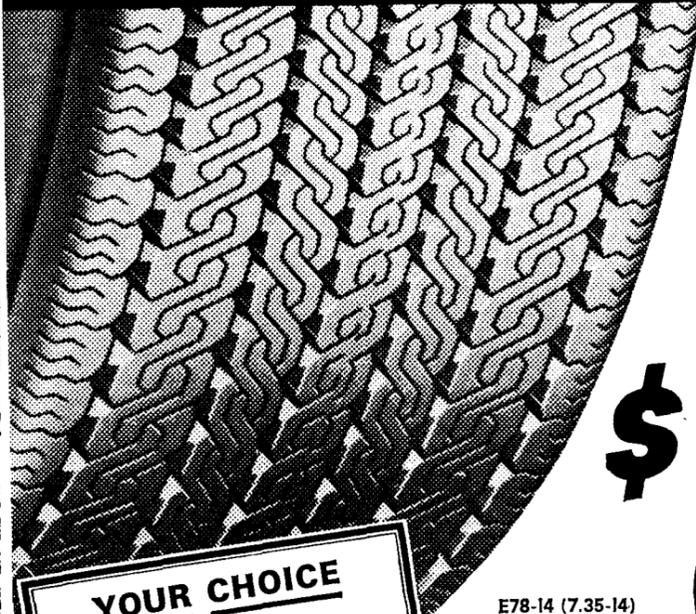
GUARANTEED 20,000 MILES OR 2 YEARS

We guarantee our brake lining for the specified number of miles or years from date of installation, whichever comes first. Adjustments provided on mileage and based on prices current at time of adjustment.

Most Fords, Plymouths, Chevys, Americas compacts and light trucks. Others slightly higher. Disc brakes excluded.

3 WAYS TO CHARGE Firestone **UNI-CHARGE**

# DOUBLE-BELTED GLASS or RAYON ORIGINAL EQUIPMENT TIRES



# 4 for \$99

**YOUR CHOICE**  
Processed Rubber Impregnated **GLASS** OR **DYNACOR RAYON**

E78-14 (7.35-14)  
Blackwalls

Plus \$2.35 per tire Fed. Excise tax and 4 tires off your car.

If we should sell out of your size, a "raincheck" will be issued, assuring later delivery at the advertised price.

Similar low prices on singles and pairs.

SIZE FITS MANY AMX's, Barracudas, Belvederes, Camaros, Chevy II's, Chevelles, Cougars, Darts, F-85's, Fairlanes, Montegos, Mustangs, Firebirds, Rebels, Tempests, etc.

WITH THIS COUPON

## TIRE ROTATION

Cars and light trucks **55c**

Coupon Expires Oct. 31, 1970 We'll rotate all 5 tires and inflate them to proper air pressure.

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## BRAKE ADJUSTMENT

Cars and light trucks **55c**

Disc brakes excluded

Coupon Expires Oct. 31, 1970

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## REPACK INNER AND OUTER FRONT WHEEL BEARINGS

Cars and light trucks **55c**

Disc brakes excluded Grease seals extra if needed

Coupon Expires Oct. 31, 1970

WITH THIS COUPON

## 4th SHOCK ABSORBER

Buy 3 shock absorbers at our everyday single price... GET THE 4TH FOR 77c

Cars and light trucks **55c**

Coupon Expires Oct. 31, 1970

# Firestone DELUXE CHAMPION SUP-R-BELT

This great tire gives you years of extra mileage...better performance...and the wide look of the '70s!

- **TWO STABILIZER BELT PLYS** reduce tread scrubbing — major cause of tire wear — to give you thousands of extra miles.
- **LOW, WIDE 78 PROFILE** gives you quicker steering response and the new modern look of today's sleek low cars.
- **LARGER TREAD FOOTPRINT** gives extra traction where you need it most — on wet, slippery pavement.
- **GREATER PUNCTURE AND IMPACT RESISTANCE** double belted construction gives almost twice the impact resistance of ordinary tires.

SIZE	FITS MANY	BLACKWALLS	2-Stripe WHITEWALLS	Fed. Excise Tax (Per Tire)
E78-14 (7.35-14)	See above.	4 for \$99	4 for \$125	\$2.35
F78-15 (7.75-15)	Chevys, Dodges, Fords, Plymouths.	4 for \$117	4 for \$133	\$2.61
G78-15 (8.25-15)	Chevys, Dodges, Fords, Mercurys, Plymouths, Pontiacs, T-Birds.	4 for \$128	4 for \$146	\$2.77
H78-15 (8.55-15)	Buicks, Chryslers, Mercurys, Olds, T-Birds, Plymouths, Pontiacs.	4 for \$140	4 for \$160	\$2.98

All comparisons relate to previous Firestone Deluxe Champion tire. All prices PLUS taxes and 4 tires off your car.

A GREAT ECONOMY BUY } **\$10.95** 6.50-13 \$1.78 Fed. Ex. Tax  
**Firestone CHAMPION** } All prices plus  
 full 4-ply nylon cord tires } Tubeless Fed. Ex. Tax and  
 at everyday low prices! } Blackwall tire off your car.

WHITEWALLS ADD 3<sup>00</sup>

\$15.70	\$16.75
7.35-14 or 8.60-15	7.75-14 or 7.75-15
\$2.04 or \$1.78 F.E.T.	\$2.17 or \$2.19 F.E.T.
\$18.85	\$20.95
8.25-14 or 8.15-15	8.55-14 or 8.45-15
\$2.33 or \$2.35 F.E.T.	\$2.53 Fed. Ex. Tax.

3 WAYS TO CHARGE... Firestone **UNI-CHARGE**

LET US SAFETY-CHECK YOUR CAR!

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