

The Redstone Rocket

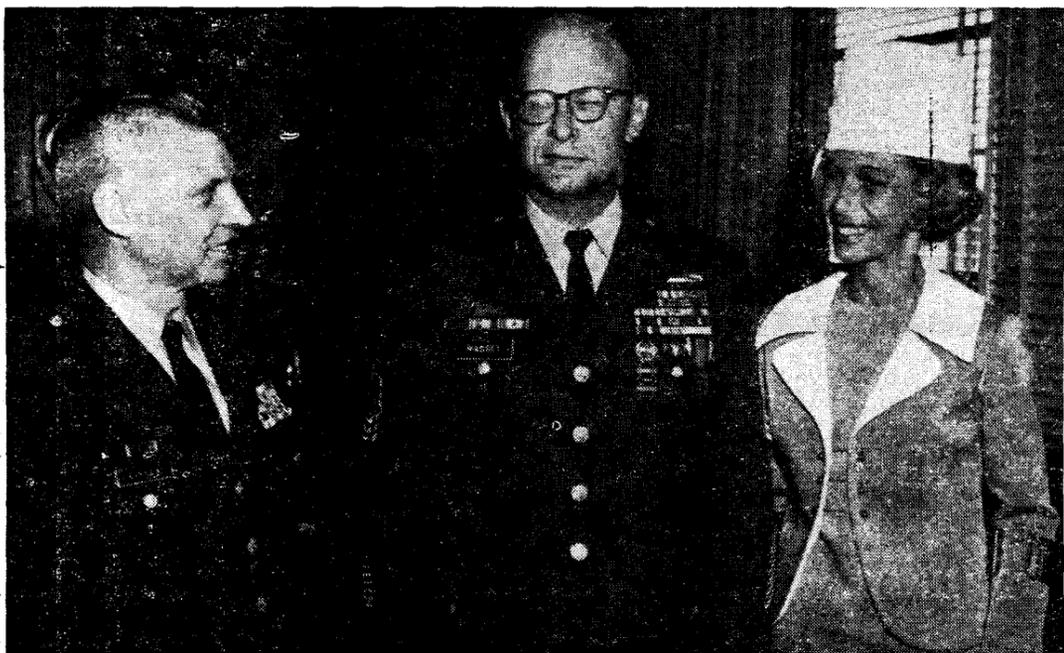
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VOL. XVIII; NO. 10

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA 35809

JULY 16, 1969

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MISSILE COMMAND FIRST—The first Command Sergeant Major to receive the distinctive insignia at the Army Missile Command, Sgt. Maj. James M. Massey, center, talks with Maj. Gen. Charles W. Eifler, Commanding General of the Missile Command, and Mrs. Massey during ceremonies which also included the addition of a Fourth Oak Leaf Cluster to his Army Commendation Medal. The new Command Sergeant Major is now assigned to the Army Correctional Training Facility at Ft. Riley, Kans. He was assigned to Redstone Arsenal's Provost Marshal in September, 1968.

James Massey Is First Sergeant Major Promoted By Army Missile Command

Another "first" was chalked up by the Army Missile Command Friday morning when Maj. Gen. Charles W. Eifler made his command's first promotion of a Sergeant Major to Command Sergeant Major.

He presented the insignia to James M. Massey who has been serving as Sergeant Major for the Provost Marshal here since September 22, 1968. In the top-of-the-day ceremonies, the new Command Sergeant Major also received the Fourth Oak Leaf Cluster to his Army Commendation Medal.

His next assignment will be at the U. S. Army Correctional Training Facility, Ft. Riley, Kans.

Mrs. Massey shared in the ceremony. They are both from Kannapolis, N. C., where Mrs. Massey's parents live in retirement.

They are Rev. and Mrs. J. S. Tyson.

Command Sgt. Maj. Massey has more than 27 years of military service and was with the 11th Airborne in the Philippines during action in which his unit received the Presidential Unit Citation.

Command Sgt. Maj. Massey's

most recent overseas tour was with the 40th Infantry Battalion in Thailand. When he returned to the U. S., he was assigned at STRATCOM.

At Redstone both the Sergeant

Major and Mrs. Massey were active in chapel activities. Mrs. Massey served as soloist with the choir. Their son, Lance, is a senior at Shorter College where he is majoring in music.

Three Scientists Recognized For Significant Contribution

Three Missile Command scientists have been named for one of the most prestigious forms of recognition for their significant contributions to the Army's broad program of scientific investigations.

Dr. Richard Hartman, a physicist in the Physical Sciences Laboratory, and a team of chemists in the Propulsion Laboratory, Dr. James Murfree and William Duncan were selected as 1969 Research and Development Achievement award winners.

The Missile Command trio, along with 42 other scientists and engineers at Army in-house laborator-

ies, were named for the awards from among nearly 8,000 nominees.

Achievements recognized by the 1969 awards are indicative of the diversity and depth of Army in-house Research and Development activities being conducted at more than 50 laboratories and arsenals.

As in previous years, the results reach into virtually all major scientific disciplines engaged in by the various Army agencies.

Dr. Hartman was cited for his investigation on temperature dependence on spin-lattice relaxation of the dilute trivalent chromium ion in cubic magnesium oxide, which had exhibited a large discrepancy between experiment and theory.

Through the use of novel experimental techniques, the existing data were extended sufficiently to furnish the first conclusive proof that optical phonons contribute to spin-lattice relaxation.

Dr. Murfree and Duncan, selected as a team, were honored for three major contributions to liquid propulsion technology: a liquid propellant for gas generators; a single-piece, ceramic, monopropellant decomposition bed; and at least two true decomposition catalyses.

Their work resulted in the development of an inexpensive and practical generator that meets the Army's environmental requirements for missiles, and is a significant advancement in the technology of pressurization and attitude control systems.

LT. COL. FUNKE NAMED DRAGON PROJECT CHIEF

Lt. Col. Robert D. Funke has been named the new Dragon Project Manager at the U. S. Army Missile Command.

Col. Funke succeeds Col. Kenneth C. Van Auken who has served as project manager for the past two years. Col. Funke has been assigned as chief, office of Doctrine and New Materiel at the Missile & Munitions Center & School since August 1968. Col. Van Auken leaves for Vietnam in early August.

The Dragon is being developed for the infantryman as a medium anti-tank assault weapon system. It is the Army's first guided missile system light enough to be carried by one man and shoulder-fired. Yet it has a warhead powerful enough to destroy most armor and other infantry targets encountered on the battlefield.

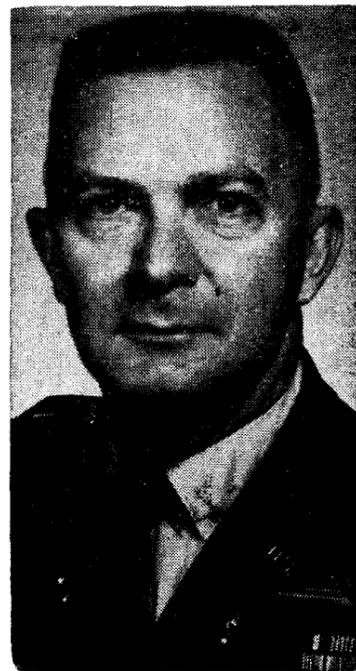
Since he began his military career over 26 years ago, Col. Funke has held a wide variety of assignments. In addition to his recent tour in Vietnam as an advisor, he served three tours in Germany and 13 months in Korea. He is a World War II veteran (European Theater) having served with an infantry platoon in the 5th Infantry Regiment.

A graduate of the Army's Command and General Staff College, Col. Funke has earned a B.S. degree in Mechanical Engineering from the University of Dayton and a Master's Degree in Business Administration from Babson Institute.

He is presently in his second assignment at Redstone Arsenal. From January 1960 to June 1963, he worked with the Sergeant Project Office at the Missile Command.

Among his decorations and medals he holds the Bronze Star Medal with oak leaf cluster, the Army Commendation Medal, the Combat Infantry Badge with star and the Vietnam Honor Medal.

Col. Funke and his wife, Teresa, have eight children and live in Huntsville.



LT. COL. ROBERT D. FUNKE

Some Come Back

One of the many compensations of working at Redstone is getting surprise visits from friends and fellow workers of the past.

Capt. C. R. Longcor, aide-de-camp to General Eifler when he was Deputy Commanding General, Land Combat Systems, Army Missile Command, is working on a master's degree in electrical engineering at South Dakota School of Mines and Technology at Rapid City, S.D.

When he needed first hand information for his thesis, where did he go? To his former associates at Redstone, of course.

Longcor expects to be reassigned next year.

Provisional Office Will Combine Two Functions

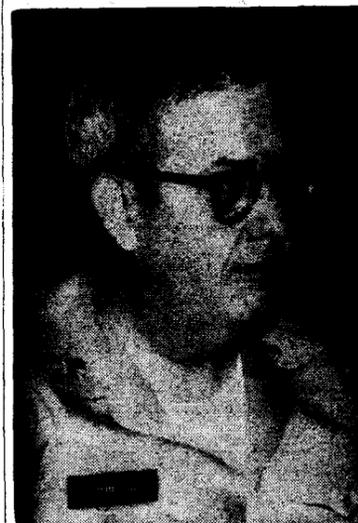
Merging of the Air Defense Control and Coordination Systems Product Office with the Target Missiles Product Office has been approved on a provisional basis by the Army Missile Command.

The new organization, called the Air Defense Control and Targets (ADCAT) Office, (Provisional), is headed by Lt. Col. Robert P. Loshbough, a former instructor at the Project Manager School, Wright-Patterson Air Force Base, Ohio.

Combining of the two offices resulted from an analysis of project and product managed organizations throughout the Army Materiel Command at the direction of Commanding General Ferdinand J. Chesarek.

Lt. Col. William L. Rehm, who was Target Missiles Product Officer, has been assigned as Redeye Project Manager. Lt. Col. Steven Dorchak, Jr., who was acting manager of the Air Defense Control and Coordination Systems Product Office, has been reassigned to Fort Benning, Ga.

Other changes include Col. J. R. M. Covert, former Redeye Project Manager, who will replace Col. J. G. Redmon as Hawk Project Manager. Col. Redmon is retiring from active military duty July 31.



LT. COL. ROBERT P. LOSHBOUGH

Editorial—

MAN ON THE MOON

By the time you read this, man's greatest adventure should have begun.

But somehow, the tremendous significance of this undertaking, to us, is hardly more than a dream—just as man for centuries has looked at the heavens and dreamed about going there.

Who can comprehend that on Sunday Neil Armstrong will descend from his strange craft—and step onto the surface of the MOON!

Our first reaction, naturally, is one of tremendous pride—pride in the technological accomplishments of Dr. von Braun and the Army who started our space program, our neighbors at Marshall Space Flight Center, and all the countless hundreds in Huntsville and at Redstone Arsenal who made significant contributions to the lunar program.

But when we think of the magnitude and complexity of the lunar landing, our reaction is one of awesome inadequacy:

Can this be happening? Is man really flying to a heavenly body? Shades of Jules Verne and Flash Gordon! It's almost too much for the mind to grasp.

We can only echo the sentiments of another awe-stricken voice from the past:

"What Hath God Wrought?"

The Redstone Rocket

The Redstone Rocket is published weekly, on Wednesdays. The publisher will receive editorial content for publication in the Rocket only through the information Office, Army Missile Command, Redstone Arsenal, Ala., 35809, Bldg. 5250, Room A-136, Extension 876-1400 or 876-1500.

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Rocket Ruminations

A national debt, if it is not excessive, will be to us a national blessing.
—Alexander Hamilton

Who Are Your Heirs?

Suppose you were to die while you are in military service. Do you know who your heirs are?

Who will receive any money due you from salary or annual leave? Who will receive your life insurance?

One method for deciding these vital questions is the designation of a beneficiary on your emergency data form in your personnel file. However, even though it is a requirement, most personnel fail to keep this emergency data form up to date. But the best way to assure that your heirs receive their inheritance, according to your desire, is through a properly executed will.

Some factors to keep in mind when making a will are the "natural heirs of your bounty." A man making a will should at least mention his children and the children of a deceased child, especially if he marries after making his will. Where the will does not mention his children, or provide for them by settle-



ment, they are called "pretermitted heirs". What is "mention" in a will may be a difficult question for a court to decide, especially in the case of a self-written will.

In many contested cases the courts have held that a will referring to children, relatives, or other heirs served well enough to show that the testator had his children in mind. If the testator gives these persons a nominal amount, even one dollar, or intentionally disinherits them, as a rule they will have no claim to the estate. A will need not necessarily leave property to a child, though to do so may prevent lawsuits.

Some persons draft their own wills. These "holographic" wills are often contested because a homemade will often is deficient in complying with laws regarding the mention of children. In one case the testator failed to mention a child, but said that "anyone who may contest this will" would receive one dollar. Too general and vague, the court held. The will did not mention children or spouse, directly or indirectly, or show intent to disinherit them.

Only when there is no other means available should you write your own will, but it is better to write your own than to die intestate.

So, if you plan on drawing a will, which should be a must for everyone whether married or not, see your legal officer. Don't cause problems for your heirs. Make out your will properly. (AFPS)



R. O. WILDHAGEN

R. O. Wildhagen Receives Honors From Guntersville

"You make time for what you want to do."

Talking was R. O. Wildhagen, a civilian at the Army Missile Command, who was honored by the City of Guntersville recently for "outstanding public service contributions."

Recipient of the Guntersville Civitan Club's "Honor Key," presented annually to an outstanding club member, Wildhagen was explaining how a busy missileman found time to engage in civic projects.

"You enjoy doing something—you do it!", said Wildhagen, who is employed in the Pershing Program Management Office at the Missile Command.

Wildhagen was cited for his efforts in three community projects:

—As chairman of the Miss Marshall County contest, held to raise funds for the Retarded Children's Association.

—As president of the Lake Guntersville Records, Inc., local sponsors of attempts to set a world's water speed record.

—As chairman of the Guntersville Horse Show.

A native of St. Louis, Mo., Wildhagen came to Redstone in 1956 and has been with the Pershing Project Office since 1958.

Worth Its Weight in Sand

A two-man team can fill about 50 sandbags an hour. A new test model in the form of a converted ditch digger can produce 10 times that amount in the same period of time. Two versions of the new fillers are being tested throughout the Republic of Vietnam under the supervision of the Army Combat Team in Vietnam (ACTIV). ACTIV handles evaluation of all new products under combat conditions. (ANF)

Automatic Vendors Trial Set For Three Locations

Army Post Exchange officials at Redstone Arsenal have completed installation of an automated food service center in Bldg. 5687, first of three locations to be remodeled and equipped with the new food service.

Other sites to receive vending service include Bldgs. 5678 and 8027, all part of the Army Missile Command's Directorate of Arsenal Support Operations, and Supply and Maintenance Directorate.

"We can offer better service—and more diverse menus—with vending, than we did manually," said Lt. Max L. Harris, Deputy Post Exchange Officer.

"Not only better service but the surroundings are being renovated as well."

The change to vending was caused by rising personnel costs and decreasing sales in these small snack bars, Lt. Harris said.

Seven civilian employees affected by the changeover are being transferred to other cafeterias on post, he added.

Food items will include a variety of hot and cold drinks, sandwiches, pastries, salads, canned goods, candy and ice cream, as well as such items as chips and snacks, and cigarettes. There will be two microwave ovens in each center for heating food.

An attendant will be on hand six hours a day—five days a week—to make change, help customers and keep the areas clean, Lt. Harris said.

Banks Instructs Binary Logic Course

A missile maintenance technician from the Missile Command's Supply and Maintenance Directorate is performing an important function in preparing Ft. Sheridan, Ill., personnel for operating new and sophisticated equipment for the Hercules system.

Edward Banks is serving as the instructor of the recently inaugurated digital and binary logic course for anti-jamming interference and battery terminal equipment at Sheridan's forward area support shop.

Banks said that completion of the 40-hour course will better enable electronics technicians to operate the sophisticated equipment that has been introduced to the Hercules system.

The training in digital and bin-

Lt. Gen. Seth J. McKee Is Sixth NORAD Chief

COLORADO SPRINGS — U. S. Air Force Lt. Gen. Seth J. McKee has been named the sixth commander in chief of the North American Air Defense Command.

Gen. McKee, a native of McGehee, Ark., was nominated by President Nixon for a fourth star and for assignment as head of NORAD effective Aug. 1.

The nomination followed consultation with the government of Canada, which shares with the U. S. the operation of NORAD. Formed in 1957, the command has responsibility for air defense of both nations against air attack.

Gen. McKee, now U. S. Air Force assistant vice chief of staff, will be replacing General R. J. Reeves, NORAD's commander in chief for the past three years, who is retiring July 31 after 35 years of military service.

Binary logic and Boolean algebra is a prerequisite for more detailed study available on HIPAR equipment.



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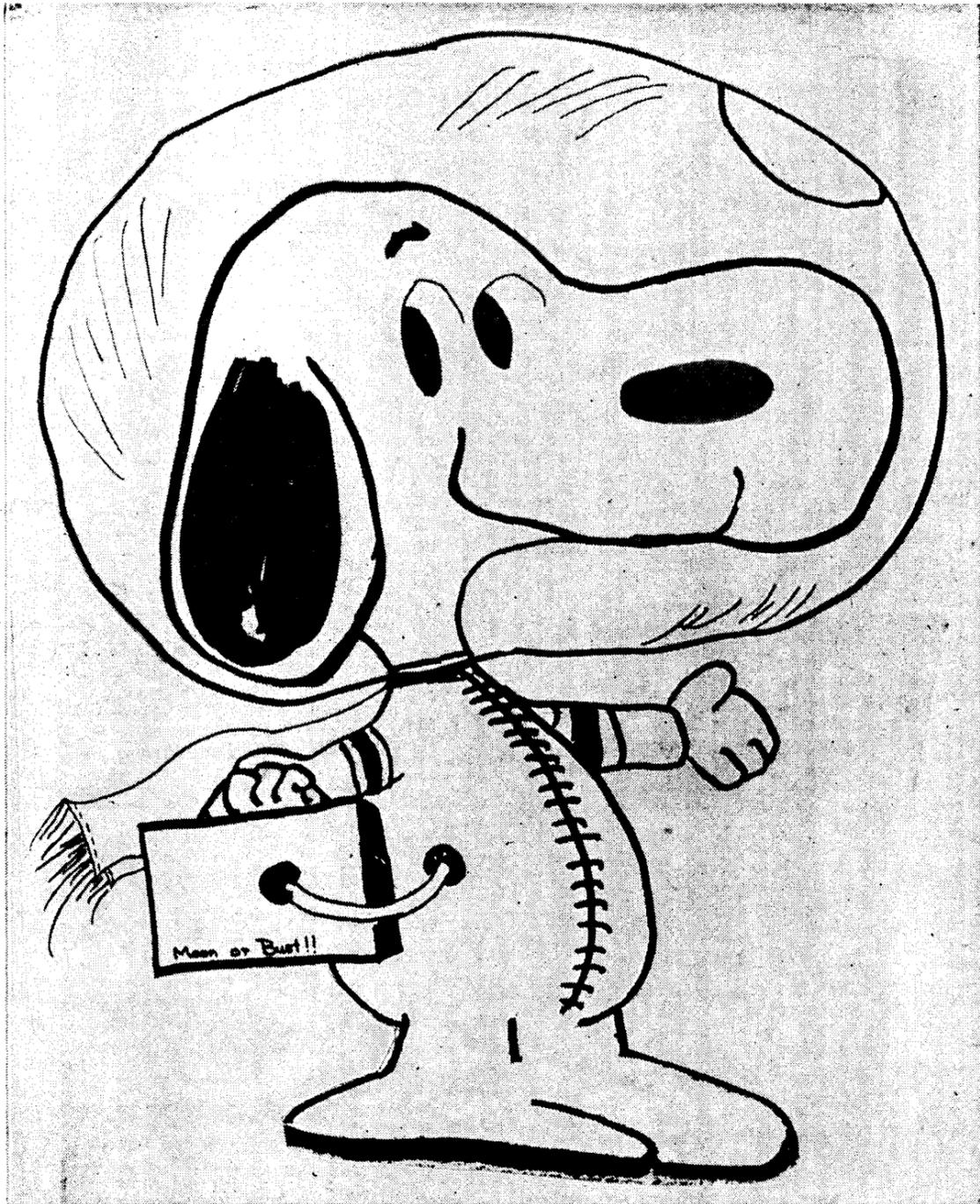
	Jet	Jet	Jet	Jet	Minimum
Lv. Huntsville	7:15a	2:39p	5:52p	9:10p	Fares
Arr. Jacksonville	11:11a*	—	9:14p*	1:08a*	\$35
Arr. Orlando/Cape Kennedy	11:25a*	—	9:21p*	1:10a*	40
Arr. Tampa/St. Pete	11:34a*	7:09p*	9:32p*	1:15a*	40
Arr. W. Palm Beach	12:27p	7:22p*	—	—	49
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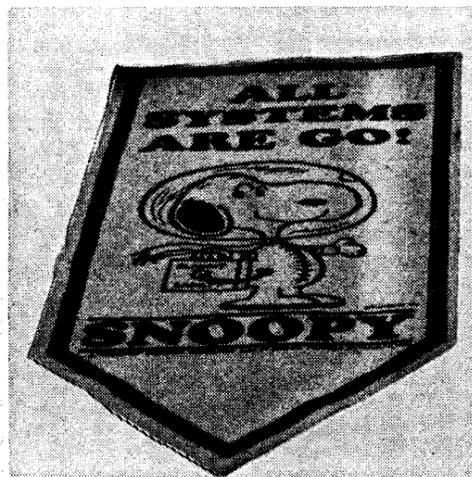
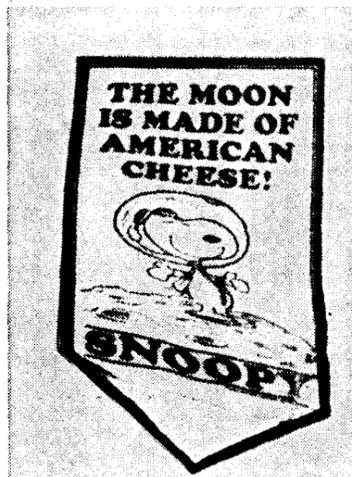
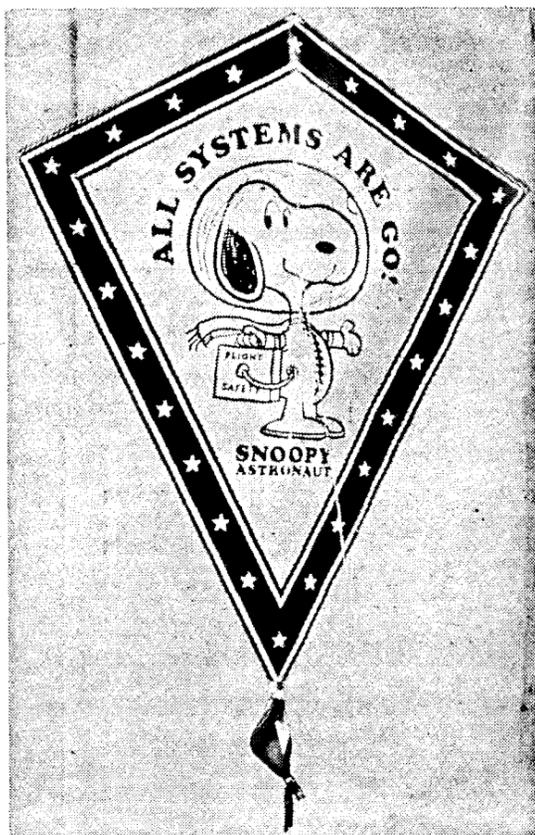


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YOURS FOR HAPPY RETIREMENT—Mrs. I. O. Drewry, center, receives a farewell gift at a luncheon in her honor last Tuesday at the Redstone Officers Open Mess. Presenting the gift on behalf of the wives of the Army Safeguard System Command and Army Safeguard Logistics Command is Mrs. Robert C. Marshall. Mrs. James W. Walters, Jr. is on the left. Mrs. Drewry's husband, Brig. Gen. Drewry, is retiring from the Army at the end of this month.

Wives Have Luncheon To Honor Mrs. Drewry

Mrs. I. O. Drewry, wife of Brig. Gen. Drewry, was honored at lunch last week at the Redstone Officers Open Mess, by wives of officers of the Safeguard System Command, which Gen. Drewry heads, and wives of officers of the Safeguard Logistics Command.

of this month.

The theme of summer was carried out in the decorations on the lunch table with bowls of flowers from which artificial butterflies sipped nectar.

Mrs. Drewry received a silver candelabra. Mrs. Robert C. Marshall made the presentation on be-

The General retires at the end

half of the wives of the Safeguard organization.

Committee members were: Mrs. Marshall, Mrs. Robert J. Bennett, Mrs. Edward M. Dooley, Mrs. Cecil Hospelhorn, Mrs. James W. Walters, Jr., Mrs. William Wray, Mrs. Ben F. Powel, Jr., Mrs. Lowell D. Twitchell, and Mrs. Freeman G. Cross, Jr.

Mrs. Flowers Presents AUSA Plaques to Two Men

The first woman to be elected to the board of directors of the local chapter of the Association of the U.S. Army made her official debut Friday morning at graduation exercises of the Army Missile and Munitions Center and School.

Mrs. Dolly Flowers, the first of her sex to be named to the Tennessee Valley Chapter's Board of Directors, presented citations to a pair of distinguished students from California for compiling a grade point average of 96.0 or better.

Special plaques went to 1Lt Edward Christensen of Watsonville, California, for a 96.0 in Ammunition Officer and PVT Joseph Grohman of Oxnard, California, for 98.0 in Pershing Electro-Mechanical Repair.

One other soldier, PFC Carlos Taylor of Wytheville, Va., was recognized as standout student in the Ammunition Storage class with a 92.4 average.

Guest speaker for the occasion was Maj. William Whipple, a seven-year veteran of service in Germany, France and Vietnam. Maj. Whipple, who expounded some "Charlie Brown" philosophy in his greeting to the 52 graduates, is chief of the missile maintenance division of Directorate of Logistics at MMCS.

"The technical knowledge you have acquired here at MMCS will be extremely valuable in your fu-

ture assignments. But this is only a start," he stressed. "Based upon this knowledge you received in the classroom, your abilities will grow as you apply your skills on the job."

"Fine as your instruction may have been, and capable as you may be from the standpoint of technical knowledge, without application on your part little will be accomplished," he added. "Your individual enthusiasm and initiative is the necessary additive which will ultimately result in the final proof—performance," Whipple concluded.

Theatre Schedule

WED., July 16
"Goldfinger" (M)
THURS.-FRI., July 17-18
"Daddy's Gone a-Hunting" (M)
INCREASED ADMISSION:
50c, children 25c.
SAT., July 19
"African Safari" (G)
SUN.-MON., July 20-21
"On My Way to the Crusades, I Met a Girl Who . . ." (R)
INCREASED ADMISSION: adults
TUES., July 22
"Secret Ceremony" (R)
Two shows nightly at 6:00 and 8:30 p.m. Sunday matinee at 2:00 p.m.



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ACS Honors Volunteers

The Redstone Arsenal Army Community Service volunteers were honored July 8 at a presentation of awards in the Social Room of the Post Chapel.

The new ACS uniforms made its debut on four volunteers. Col. Mac D. Hendricks made the presentation of ACS pins to volunteers who have completed over 50 hours of volunteer work for the Army Community Service Office. Among those to receive these pins were: Mrs. Frank Matthews, pin and two year guard; Mrs. Horace Jackson, pin and one year guard; Mrs. John Mazikowski, Mrs. Lawrence Bowen, Mrs. Noel Pujol, Mrs. Stephen Finch, Mrs. David C. Johnson, and Mrs. Frank Miller.

Following the presentations, the guests and prospective new volunteers were welcomed by Mrs. Frank Matthews, ACS Volunteer Supervisor, Mrs. Mazikowski, general services chairman and Mrs. Miller, recruiting chairman.

The ACS program is being expanded to include a volunteer at the Housing Office to greet newcomers and to inform them of the services available to them through the Army Community Service Office. Anyone interested in

more information concerning the volunteer program please contact the ACS Office at 876-8957, or visit the office at Bldg. 3656 located on Ajax Road.



AWARD WINNER—Mrs. Gertrude DeSaussure has been awarded \$40 in cash for submitting the winning entry in the Huntsville Division Insignia Contest sponsored by the U. S. Army Engineer Division, Huntsville. Award was made by Brigadier General R. P. Young, Huntsville Division Engineer. Mrs. DeSaussure came to the Huntsville Division from the Jacksonville District.

New Arrivals

Capt. and Mrs. William W. Stirling, girl, Shiela Anne, June 18.
SP5 and Mrs. Phillip D. Teetor, girl, Shannon Lee, July 2.
SP4 and Mrs. Robert Joseph Mokoisk, boy, Michael Joseph, and SSG and Mrs. Edward M. Barszcz, boy, Michael Eugene, July 3.



ACS VOLUNTEER TEA—The Army Community Service Volunteers line up with Col. Mac D. Hendricks during the tea at the Post Chapel social room where Col. Hendricks presented volunteers with more than 50 hours service pins and service bars. Left to right are: Mrs. Steven Finch, Mrs. Horace Jackson, Mrs. Frank Matthews, Mrs. Lawrence Bowen, Col. Hendricks, Mrs. Noel Pujol, Mrs. John Mazikowski and Mrs. Frank Miller.

Missile Parts, Saw Blades Are Among Purchases

Missile repair parts and band saw blades, coveralls and road repairs, office supplies and food, are some of the items bought by the Army Missile Command during June which brought total purchases to more than \$44 million.

A high percent of the orders went to small business concerns including those in Huntsville where merchants shared approximately \$1 million in awards. Companies in nearby Alabama cities

Kapolis Participates in Japanese Festivities

A Missile Command civilian employee had a prominent part in recent Tokyo festivities marking the second anniversary of the 103rd Air Defense Battalion (Hawk) as a numbered unit of the Japanese Ground Self Defense Force.

G. N. Kapolis attended the celebration as the Missile Maintenance Technician assigned to the unit by the Supply and Mainten-

ance Directorate. He has been on assignment in Japan for over three years.

The 103rd completed package training at Ft. Bliss, Tex., in the summer of 1966 and has returned on two occasions for service practice firings.

Kapolis reported that many of the Battalion's officers were familiar with Redstone having spent training tours here with the Missile Command and the Missile School.

received more than \$200,000 worth of business.

The awards are executed by the Missile Command Procurement and Production Directorate.

WASHINGTON — The average age of 5,840,000 veterans who served in the Korean conflict is 39.5 years, according to the Veterans Administration.

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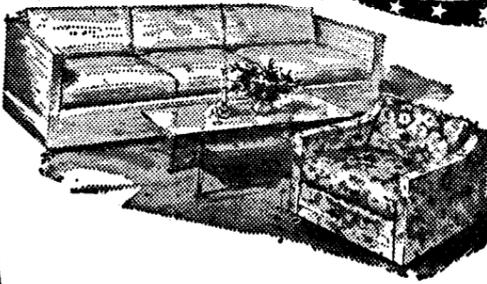
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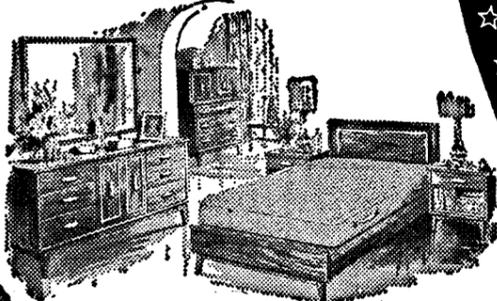
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Eighth ETC Applies Stopper to MICOM String

Hayden, Johnson Share Honors in Surprise Win

It's a fresh start for military softballers, and already the fireworks have changed colors. Both champions of the first half season were knocked off to start the second go-round, and the 8th ETC made the loudest noise.

MICOM, American Division winners, was nipped in extra innings by the 8th, 6-4, and National Division titlist Company D was nicked by Unit Training Command, 7-4.

The 8th came back after its nine-inning affair and barely slipped past Company C, 3-2. R. C. Johnson pitched both victories for the 8th, allowing only two hits against "Charly" after getting the first 14 batters out. Wendell Moore of Company C gave only four safeties in defeat, including a double to Victor Hayden in the sixth that set up the winning run.

Against MICOM, Hayden blasted a triple and a tying home run in the sixth that sent the game into overtime. The winning runs off Fred Holmer came on a double by Aden and singles by Dedkinski and Alexander. Jack Newnom and Dave English had a pair of hits apiece to aid MICOM.

Mike DeSancits slammed a three-run homer and single and Hackett added a triple to help UTC past Company D, offsetting a two-run homer by Stan Baker. Richard Hailey pitched steadily to gain the win.

The combined team of Student Officer Company/Headquarters Company also started the second half with two wins. They whopped Company C, 7-5, on the strength

of a two-run triple by Jim Porter's grand slam homer was the thrust in a 25-6 rout of 522nd Ordnance Company.

Company C's Robert Glass had a single, triple and home run in the loss to SOC, and Parris McGhee homered for the 522nd. His teammate, Duffy Aldridge, added a triple, while padding the SOC attack were two hits by Don Kerns, Jim Long, John Edwards, and a triple by Gil Gossman.

In other games: the 9th ETC whipped Marine Training Detachment 11-4 with Tom Zatkowski hitting a single and triple. Jim Pittman tripled for the Marines.

The 4th ETC used 11 walks, four to Hamilton, in rolling up a 10-6 decision over 2nd ETC, who got two doubles from Lee.

The MP's nipped the 4th ETC 9-8, and three games were won by forfeit—Company D over Medics, 3rd ETC over 1st ETC, and Marines over 3rd ETC in a game called with the Marines ahead 5-1 in the second inning.

The MP's and 6th ETC re-scheduled a postponed contest.



NEW CWF ACTIVITY—Skeet Shooting is the latest addition to the Civilian Welfare Fund recreation schedule and the five-man Missile Command team is making an auspicious debut in the Pine Bluff Industrial Skeet League. They have won each of their first five league shoots including a victory over the second place Marshall Space Flight Center team two weeks ago. The two Arsenal rivals are pitted against one another this week in the position round. The MICOM shooters are pictured prior to a recent match at the Pine Bluff Gun Club near Gurley. They are, left to right, Pat McIngvale, Charles Lewis, Kirby Moore, Kelly Grider (the team captain), and James Weaver.

Williams Blanks Foe

Pershing Takes Second Round Lead

Three CWF Slo-Pitch Softball teams are engaged in a scramble for the remaining berth in league's playoff series while Finance and Accounting is just as intent on cancelling the need for any playoff series.

Data Processing Office, the Pershing Project Office and the Computation Center each won a pair of second round games last week to remain unbeaten as the first-half winning Accountants won their only start to keep pace with their rivals.

DPO had little trouble in posting a 19-3 win over Safeguard and a 10-1 defeat of Metrology while the Comp Center edged DASO, 9-7, before whacking the S&M Lab, 16-9. The Missilemen experienced considerable difficulty before edging the G&C Lab, 4-0, and DASO, 6-4. F&A ran over G&C, 13-1.

Safeguard came back to decision Financial Management, 19-2, Missile Intelligence picked on the same team for a 24-2 blast, Metrology got an even split for the week at the expense of MCD, 7-4, and the Corps of Engineers handed MTE a 13-9 setback in other games.

Pershing had four straight wins at the close of last week's play and DPO had one less. The Comp Center and the Accountants have won both of their second round starts.

George Williams turned in a rare achievement in blanking G&C for one of the Pershing wins. Williams drove in a single run in the third and made it stand up although his mates provided him with a little breathing space with a three-spot in the sixth. Griffin and Jones joined the pitcher with two hit performances.

Williams picked up another win two nights later when Jerry Childs spiked a promising DASO rally with a sparkling defensive play.

With Pershing leading 6-4 going into the final inning the lead off hitter for DASO singled and the next batter sent a low line drive headed for left center. Childs made a leaping stab of the liner and turned it into a double killing. Two more DASO hits went for naught following the catch.

Doug Peavey handled the pitching for both of the DSO wins and set the hitting pace in the Safeguard win. He collected four safeties and Joe Stover added three more as DPO wrapped up the game with eight in the first turn at bat.

Hunter Horton joined Stover with three hits apiece against Metrology and Bishop Arnold led a brilliant DPO defensive effort that included three twin killings.

Gary James was the most devastating hitter in the Comp Center

ahead of the S&M Lab as Dick Matthews getting the wins. James got three hits, including a homer, and drove in four runs against DASO and got four more safeties against S&M. Johnny Roberts, Jerry Arszman and Jerry Langford homered in the latter victory.

Charles Amos was near perfect for six innings in hurling F&A to their win. Only one G&C hitter was able to connect safely during that stretch and only one more hit was recorded in the final inning as the Labmen broke through for the two runs.

Danny Franklin, Beddy Lewis, Russ Ward and Jack Willis collected three hits apiece to pace the Accountants on the attack. The Smith boys got MTE home

picked up the win with the solid support of Don who went four for five.

Jerry Andrews was credited with the Safeguard win over Financial Management when Walt Heflin laced four straight safeties. Floyd King and John Lubin homered in the winning cause while Don Woods connected for FM.

Charles Bradburn delivered five straight base hits in leading MID to their win over Financial Management with Bill Pennington getting the victory.

The Metrology Lab got yoeman service from Ray Wernle in chalking up a win over MCD. Wernle did the hurling and shared hitting honors with Jules Compton.

Bev Cramer Keeps Big Orange On Victory Path

Beverley Cramer showed the Huntsville Industrial Softball League that the Missile Command girls have more than one pitcher capable of winning when she hurled the Big Orange to a 17-5 win over Aerospace-Spaco.

Backed up by the usually fine fielding and a 20-hit attack, Beverley allowed just six hits and blanked the opposition in all but one inning. Only a brief spell of wildness kept her from turning in the fifth shutout of the season for the MICOM team.

The win was the fourteenth in fifteen tries for the Civilian Welfare Fund team. The girls had a chance to avenge their lone loss on Monday night in a return battle with Boeing. Gladys Hill, winner of twelve games, was scheduled to go against Boeing with Beverley getting the call tonite against Lockheed.

The Orange-shirted MICOM girls

jumped off to a 10-0 lead before Aerospace/Spaco used four free passes and a pair of two-base hits in scoring all of their runs in the fifth inning.

Sara Fisk and Glenda Kidd set the offensive pace with three hits apiece while Barbara Furlough, Kathie Leeth and Beverley Cramer each banged out an extra base blow.

Frances Bogue continued her blistering pace as the leading hitter with a pair of hits that boosted her average to .683. Glenda Kidd is close behind with .635 and Ruth Crisp gives the club three hitters over .500 with a .544 figure.

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Discuss Youth Football Plans

The Sports Committee of the Joint Activities Council, has set an open meeting for Thursday evening (July 17) for the purpose of formulating plans for the Youth Football program for the fall.

All interested persons are encouraged to attend the meeting in the Patio Room of the Officers Open Mess starting at 7 p.m.

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DOWNTOWN

Military Netters Whip CWF Entry

The Army's B Division rivals are pitted against off-post opponents in the fourth round of play in the Huntsville Industrial Tennis League after their duel for the division supremacy in the third round.

The Redstone Arsenal team of military netters swept seven of eight matches in a set with the CWF-backed Civilian Bees to grab a commanding lead at the half-way point of the Division schedule.

They will be out to add to their advantage in a three-week match with Boeing. The civilians will match strokes with Northrop in an effort to get back in the running.

The military team suffered a severe blow following the last match with the reassignment of Joe Rizo, the Arsenal champion and a consistent point maker for the last two seasons.

Bob Blair is moving up to take over the No. 1 position with R. P. Hazzard, the newly assigned Pershing Project Manager, taking over the No. 6 slot on the ladder.

Simmons, the team captain, named the same six players for doubles. Kellenberger is paired with Wray, Van Auken with Blair and Simmons with Hazzard.

The Bees will be going with the same six players in their match with Northrup although the singles lineup has been altered slightly.

Don Holder still heads the ladder but George Elrod, the team captain, jumped from the fifth

Top Players Score But MICOM Falls

Chuck Bowden and Bob Webb gave the MICOM A tennis team a fast start but their team mates were unable to sustain the momentum and the NASA Reds took a 7-2 victory in the third round of play in the HITL.

The win boosted the Reds into a tie for the division lead with the NASA Blues and left the CWF-sponsored MICOM netters without a team victory. The fourth round opened this week with the Missile Command testing the other Marshall entry.

Dr. Bowden, the MICOM captain, captured the No. 1 singles and Webb duplicated in the match between the No. 2 players.

But NASA came back to capture the other four singles matches and sweep the doubles play and take the team win.

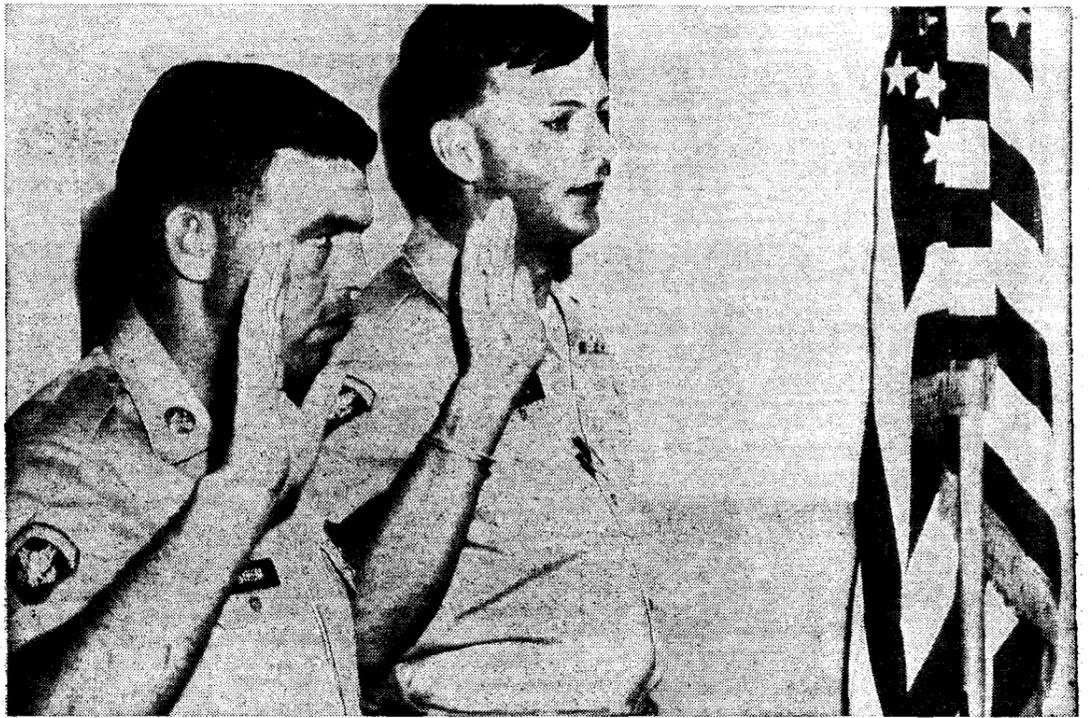
Clara Miller Has Own Private Par

Clara Miller is shooting even rounds on the Arsenal Golf Course. She achieved a 40 on both the front and back nines, playing with her son, John.

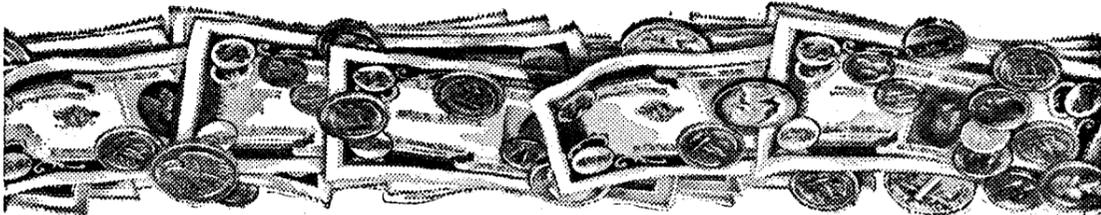
Now, she's shooting for a 39 at one end or the other.

spot to second with Irv Kellogg, Don Combs and Chuck McBrearty each dropping a notch. Bill Dunlap continued in the No. 6 position.

Kellogg and McBrearty make up the top doubles combo, with Holder paired with Combs and Dunlap teamed with Elrod.



REAFFIRM OATH—SP5 John Byrom of Huntsville and SP5 Michael Kuhn of Ottumwa, Iowa, repeat the Oath of Reenlistment. Byrom is with the Headquarters and Headquarters Detachment, Kuhn a Chaplain's administrative assistant. Kuhn has received a new assignment in Germany. The oath was administered by Maj. Robert Wesson, Troop Commander, during an award ceremony in his office.



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Dividend Declared

The Board of Directors has declared a dividend of members' first half 1969 shares at a rate of 5% per annum, payable to members' shares accounts as of July 1, 1969.

The first half 1969 semi-annual dividend period ended June 30, 1969.

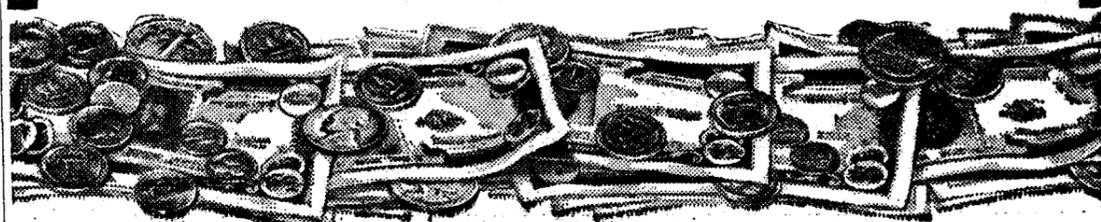
Members earn dividends from the first of the month on fully paid shares paid in by the tenth of the month which remain until the end of the dividend period. A share is \$5.

There is no maximum amount on individual shares accounts.



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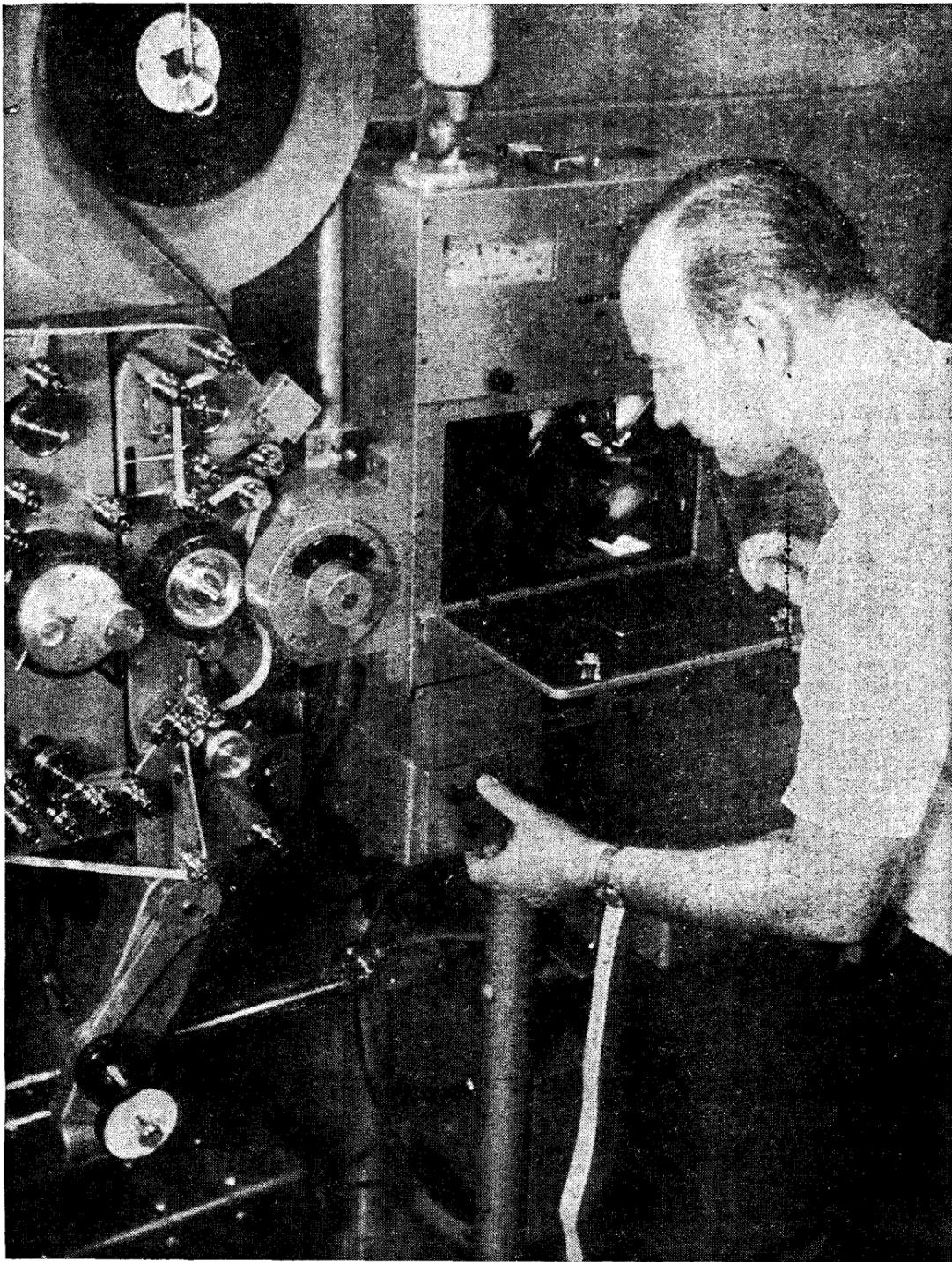
FEATURE STRATS TOMORROW

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Sat., Sun. and Holidays \$2.00
All Evening Performances \$2.00
Matinees 2:00 p.m. Evenings 8:00 P.M.

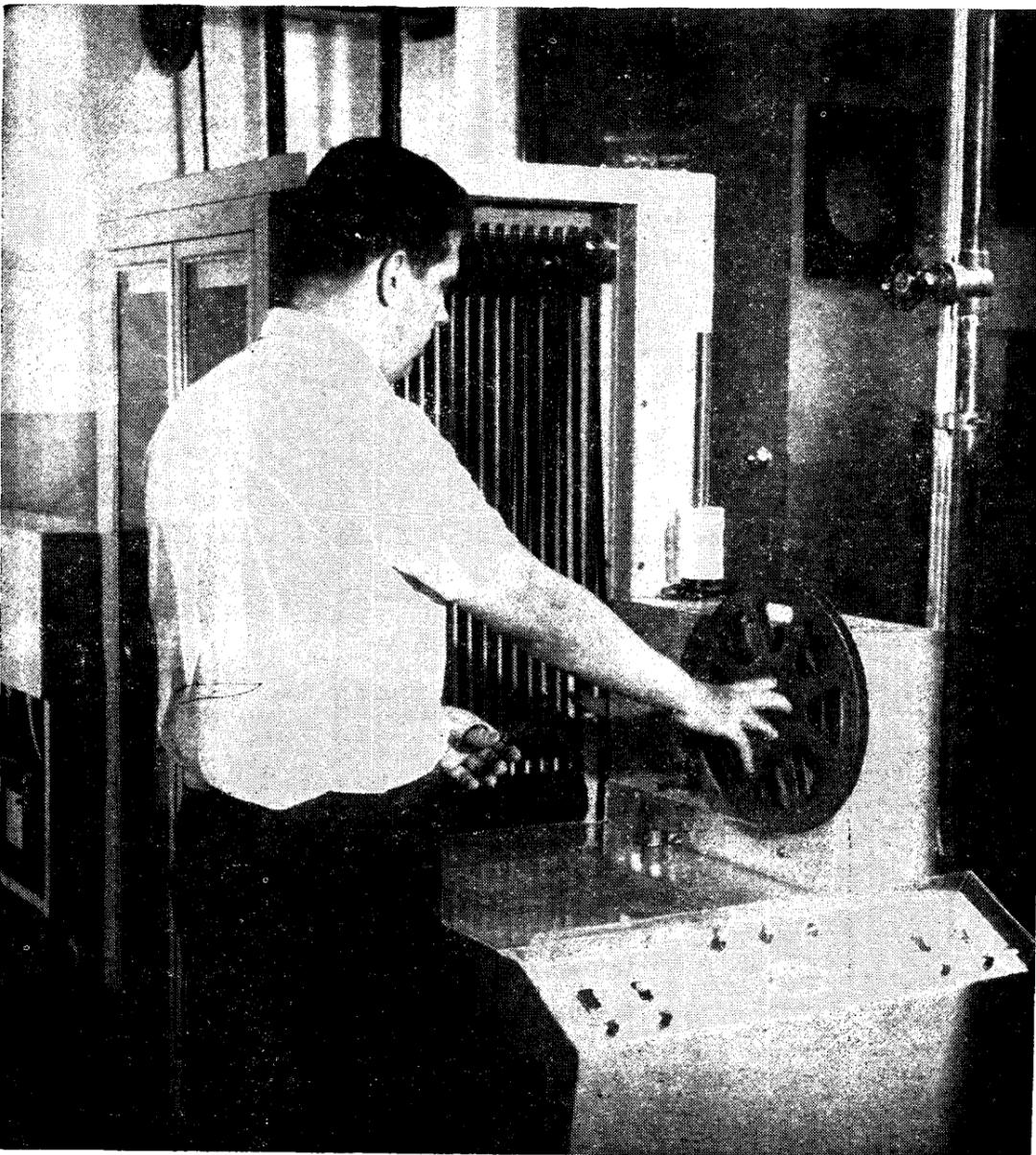
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RCA MAKES ARMY MOVIE



ADJUSTS PRINTER—B. F. Moye adjusts a Bell and Howell additive color film printer.



FILM PROCESSED—Bill Webb takes processed DASPO film off the dry end of the PAKO processor.

Like ham and eggs or tea and crumpets—when you think of a film at Redstone Arsenal, you think of RCA!

Manager W. F. Bischof and his photographic experts, who boast 374 combined years in film making, have just begun their tenth year at Redstone where — under contract — they operate, maintain and provide technical facilities and direction for motion picture production.

How well they do the job is evidenced by this record: Their films produced for the government have captured 12 industrial film awards during the past nine years.

Other RCA specialties include microfilm operations and photographic materials testing. Microfilm work includes photography, processing and duplication.

Materials testing is done for the Defense Supply Agency, and consists of functional chemical testing and sensitometric testing of the entire Department of Defense procurement spectrum of photographic materials.

Motion picture production is performed by two groups: Film Production and Services Group, and the Laboratory Services Group. Photographic specialists are multi-skilled, however, and can assist in other areas.

Bischof and his staff are convinced that films are the best means to educate, advise, and inform.

"Films are superior to other techniques," said Bischof, "in enlisting sympathy through emotion, in orienting the viewer, and in putting facts in perspective."

The educational objective of films, he added, is to get the maximum effect in a minimum of time.

The Film Production and Services Group produces films for Army Materiel Command project managers, commodity offices, the Research and Engineering Directorate as well as other government agencies.

Script writers, assisted by technical advisors, research information and create motion picture scripts which are translated by film directors and camera crews into color film scenes on studio sets or field locations.

Film scripts may require crew travel for location photography to other major commands and missile test sites throughout the nation.

RCA artists at Redstone provide full art and animation services. Frequently, actors and narrators appear in the films who are familiar to television and entertainment film audiences.

Sound laboratory technicians balance and record voice, music, and sound effects for the motion picture sound track. The film editor must then match the sound track to the edited work print.

Editorial, depository and technical sound support services are available to both Redstone Arsenal and other government agencies.

Films made by the Film Production Group are processed and printed by RCA's Laboratory Services Group, along with film from Missile Command test ranges, processed for engineering evaluation and data processing.

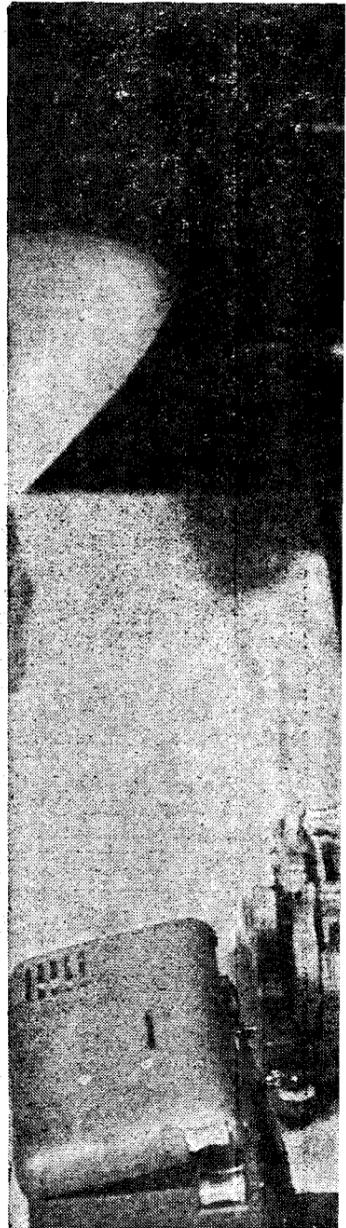
The laboratory produces duplicates of data film and full color 16-mm release prints with sound.

The quality control unit used for chemical control of solutions used in processing is also used for verification and serviceability of all Defense Supply Agency photographic materials. Confirmed savings in the multi-million dollar range have been achieved for the Defense Supply Agency by weeding out defective films, photographic papers, and chemicals, and by extending the useful life of large quantities of supplies. During one two-year period, savings were confirmed at \$3.6 million.

Among government clients of the Laboratory Services Group is the Department of Army Special Photographic Office (DASPO), which has teams of combat cameramen wherever the American soldier is serving.

Color film shot by these teams

is flown to the Pentagon from the field and forwarded to Redstone Arsenal by jet. It is processed



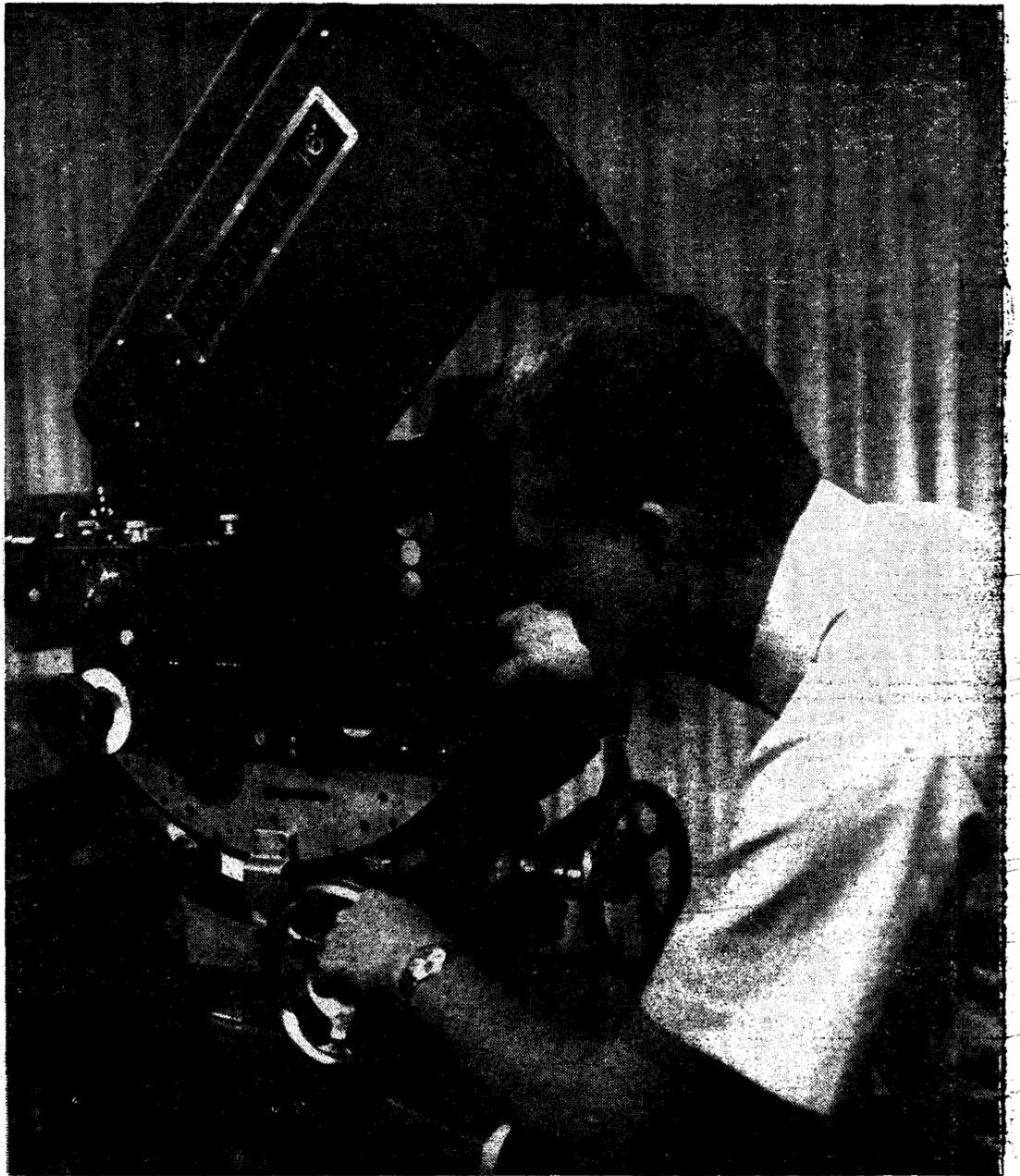
EDITS FILM—Calvin Cox edits film.



ANALYZES CHEMICALS—Bill Webb analyzes chemical solution used in processing color film.

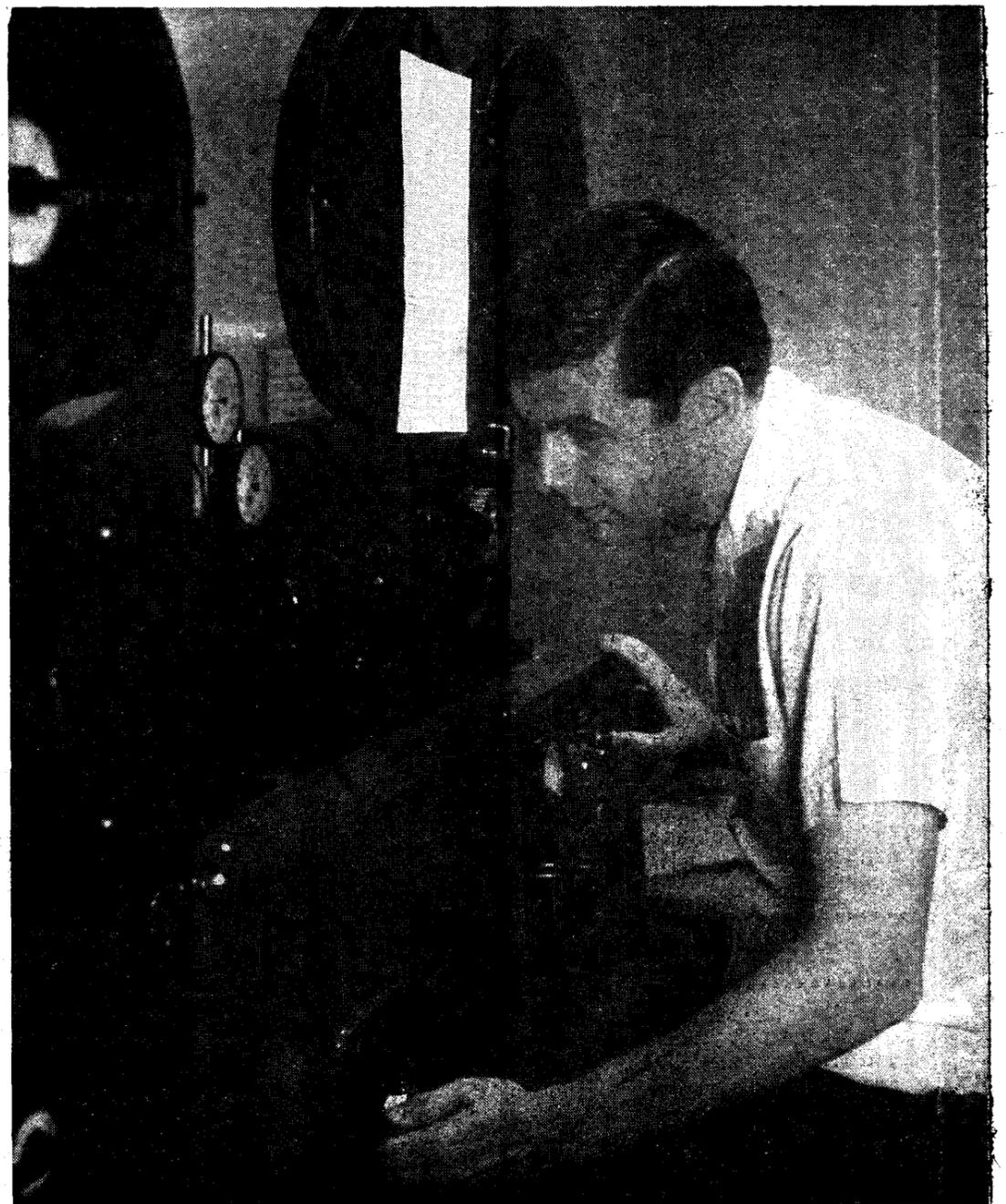
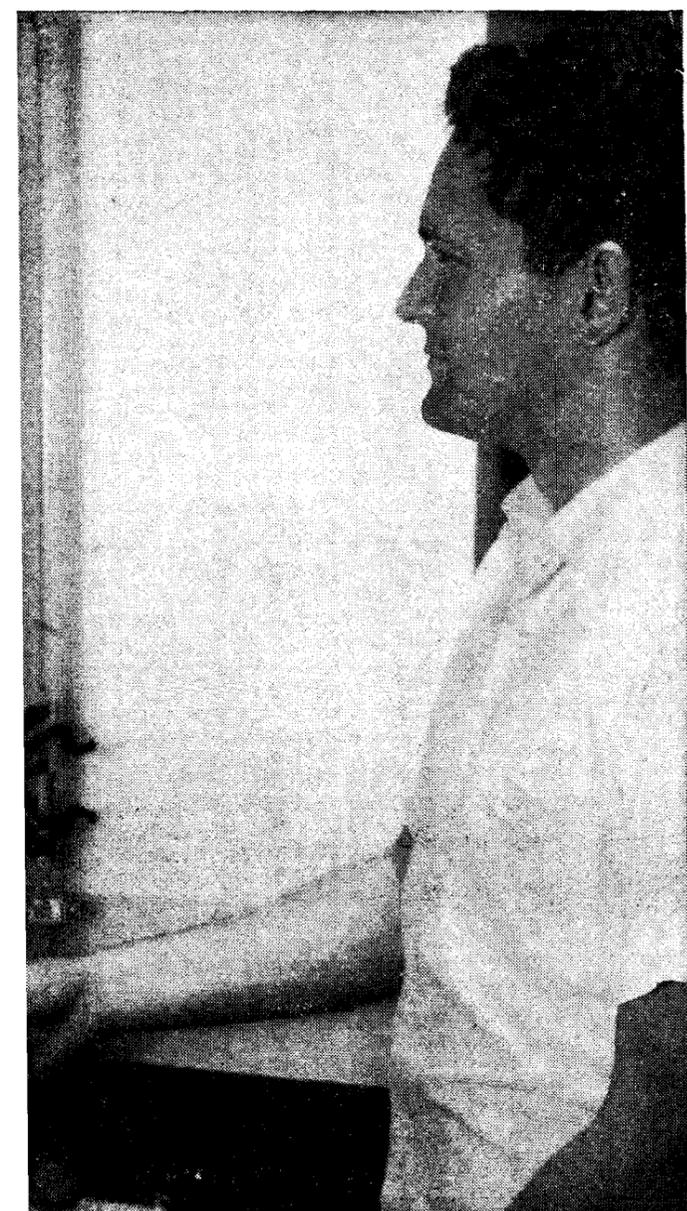
ES WHICH WIN AWARDS

nted, and returned to the Pen- key government officials. Some of
on within 48 hours. There the film is also released to the
n is reviewed for showing to press by DASPO for television use.



FRAMING SCENE—"Mac" Benson frames a scene "on stage" through the viewfinder of his Mitchell camera.

may be another award winning film for the Army Missile Com-



SPECIAL EFFECTS—Jerry Sterr prepares an optical effect on the Acme 104 special effects printer.

r, RCA's chemist, determines the precise chemical content of a

**MISSILE & MUNITIONS
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NAMES IN THE NEWS
by SP5 Ted Beattie

It's getting to be a habit . . . Charlie Company has done it again. For the fifth month in the last seven and the second month in a row, C Company received 1st Battalion's monthly award for the outstanding unit.

Capt. Ronald Hale chalked up an impressive record during his tour of duty as commanding officer of Charlie. Captain Hale stepped down from his commander's slot Friday afternoon in a change-of-command ceremony.

Under his guidance the unit captured the honor company award for the months of December, February, March, May and June.

2Lt. Kenneth R. Spicer moves in as commander with Capt. Hale leaving for a short TDY assignment to Ft. Bragg, N.C., where he will attend a Vietnamese language course. Following his stay at Bragg, he goes to his second tour of duty in Vietnam with MACV.

2Lt. Spicer comes to MMCS from Ft. Benning, Ga., where he recently graduated from OCS.

1Sgt. Franklin Holmes and Capt. Hale accepted the honor company trophy Thursday afternoon during the 1st Battalion awards ceremony. Ten other awards were also presented to battalion soldiers during the ceremonies.

MSG Clayton R. Campbell, the career counselor at MMCS, received a Bronze Star. MSG Campbell is assigned to Delta Company. Also receiving a Bronze Star was SFC W. J. Bailey, a B Company soldier.

The Joint Service Commendation Medal was presented to Company A's SFC J. E. Stocks. Retiring at the end of July, SGM William L. Farmer received an Army Commendation Medal. SGM Farmer, NCOIC of the Logistics Division, completes over 26 years service this month.

Also receiving ARCOMS were SSG Wilmer C. James (Delta), SFC Roy C. Fosnight (Charlie) and SP5 Richard G. Pizzi (Bravo).

Post Soldier of the Month honors went to a 1st Battalion soldier. C Company's SP4 John R. Ralls captured top honors for Redstone and receives a "weekend on the town" sponsored by the Huntsville-Madison County Chamber of Commerce.

SP4 Richard B. Moore won the

battalion Soldier of the Month award for June and will move on to SOM competition for MMCS honors.

Alpha picked up the Blood Trophy for June with the highest percentage of donors in the battalion.

Honor Graduates
MMCS continues to lead Third Army installations in the percentage of honor graduates at the NCO Academy, McClellan, Alabama. Two D Company men recently returned after taking the top two spots in their class.

SSG Ronald E. Scott, an instructor in the Shillelagh Branch of the Land Combat Department, topped all graduates with a 92.0 average for the six week course. SP5 Ignatius A. Thomas finished a close second with a 91.7 mark. SP5 Thomas is an instructor in the Redeye Branch of LCD.

Scheduled to leave for the Academy this weekend are three C Company soldiers, SSG Ralph C. Harris, SSG Paul R. Nava and SSG Christopher M. Hill, SSG Franklin D. Robertson, A Company, and SSG John R. Simons (D Company) are also slated to leave Saturday.

Promotions
In a surprise ceremony Friday afternoon (at least it was supposed to be), Col. Paul B. Schuppener, MMCS Commandant, pinned captain bars on former 1Lt. William Gossman. Captain Gossman is the administrative officer in the Office of Commandant.

In the Air Defense Department 1Lt. Edwin C. Hawkins received his new captain bars in ceremonies Monday morning.

Col. Schuppener greeted a new warrant officer Monday and at the same time pinned CW3 bars on Floyd N. Palmer. CW3 Palmer reported for duty and was happily surprised with his new bars.

Former SFC Lee Seaman assigned to C Company received a warrant officer appointment Thursday morning. WO1 Seaman is the supervisor in the Nike Maintenance Department.

New Assignments
Reporting for duty Monday Morning, LTC Donald S. Hanline returns to MMCS after a year's duty in Korea with the 335th Maintenance Battalion. LTC Hanline takes over as Chief, Office of Doc-

trine and New Materiel.

Other new officers reporting for duty at the missile school are Major James G. Voss and CW4 James A. McCawley who has been assigned to the Unit Training Command.

Re-Up News

How's it feel to pick up a check for \$9,400? SP5 Lonnie Parcel of the 522nd Ordnance Company knows. He recently signed on the dotted line for six years service an assignment in Europe and that big check. SP5 Parcel's reenlistment bonus is the largest received by an MMCS soldier this year.

Reenlisting today is 1Sgt. Lawson E. Archer. Taking another three, "Top" will move from his duties at the 4th ETC to HHC. He recently completed 18 years service.

SFC James R. Searcy (A Company) reenlisted for 3 years last week. He has 16 years service to date. A Bravo Company NCO, SFC George W. Hessert took three to add on to his 13 years of active duty. SSG Jeffrey J. Hamielec re-upped for four years. He's assigned to Charlie Company.

Memorial Service

A memorial service was held Monday morning at the Post Chapel for two members of the Fourth Enlisted Training Company at the Army Missile and Munitions Center and School who died in an automobile accident in Huntsville last Saturday.

Pvts. Harry E. Fenwick of Fairview, N.J. and Stephen D. Vignari of Brooklyn, N.Y., were honored by Col. Paul B. Schuppener, commandant, and members of their company and of the staff and faculty of MMCS. Both young soldiers were students in the Ammunition



ANOTHER TOUR—Sgt. Robert Dorsey of the 291st Military Police Company repeats the reenlistment oath administered by his company commander, Capt. Walter B. Danley. Both Sgt. Dorsey and Capt. Danley were assigned to Redstone Arsenal following duty in Vietnam. At one point during that tour, Capt. Danley was Sgt. Dorsey's CO. The Sergeant has new orders—for Hawaii.

Storage course.

Participating in the service were Chaplains George R. Hattle and James R. Perkins, Col. James L. Keown, commander of the MMCS School Brigade; and Capt. Jack R. Braden, commander of the Fourth ETC.

The ceremony closed with a si-

lent tribute and the rendition of "Taps" by the 55th U.S. Army Band.

WASHINGTON—Federal budget outlays were \$179 billion in 1968, or \$25 billion more than receipts of the federal government.

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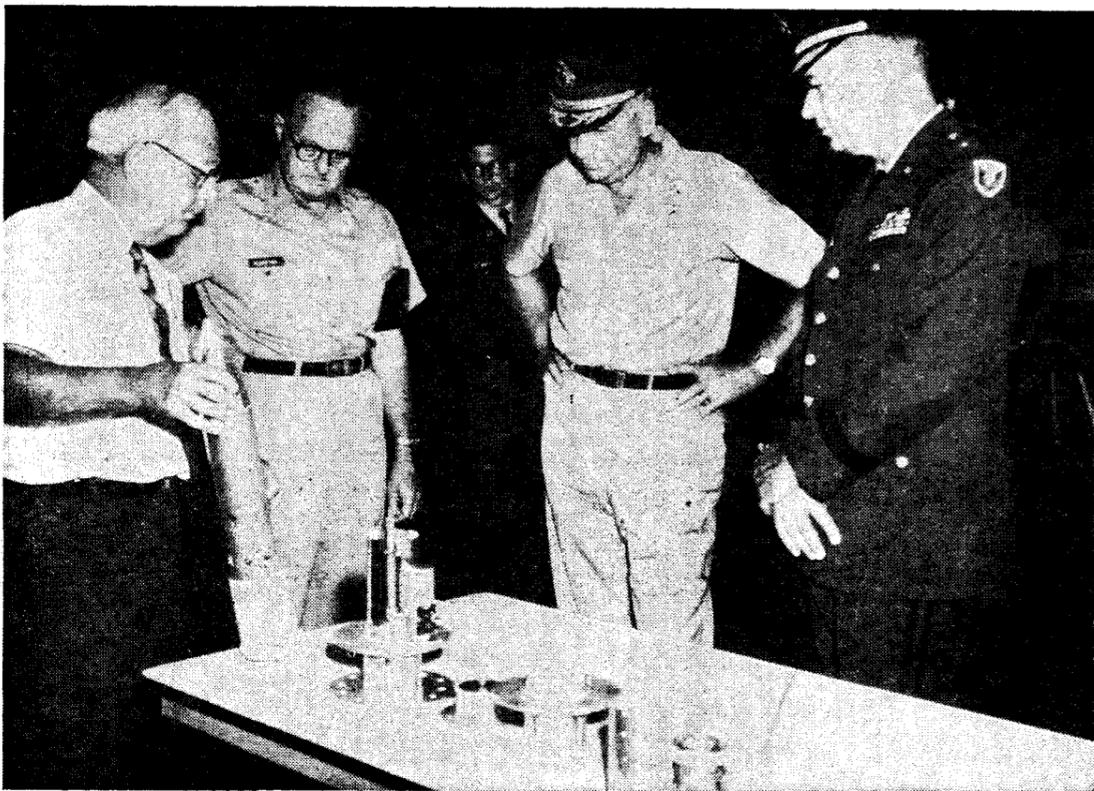
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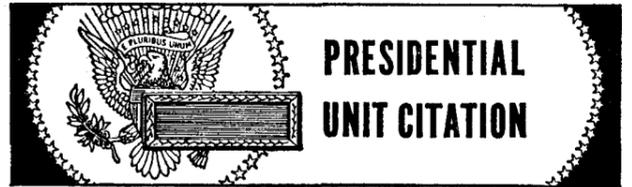
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MISSILE TALK—Maj. Gen. Leo B. Jones, (right center), Chief of Staff, Army Materiel Command, and Brig. Gen. Arthur W. Kogstad (left center), Director of Maintenance, look at missile components during their recent tour of facilities at the Army Missile Command. At left is William H. Hodges of the Missile Command's Army Inertial Guidance and Control Laboratory and Center and right is Brig. Gen. George H. McBride, Deputy Commanding General for Air Defense Systems at the Missile Command.



On June 16 President Richard Nixon awarded the Presidential Unit Citation (Army) for Extraordinary Heroism to the 1st Platoon, Troop C, 1st Squadron and Troop B, 1st Squadron of the 11th Armored Cavalry Regiment, United States Army, for their actions on Nov. 21, and Dec. 2, 1966, Republic of Vietnam.

President Nixon also awarded the citation on June 16 to the 13th Aviation Battalion for its actions on Aug. 27-28, 1965, Republic of Vietnam. The 13th Aviation Battalion consists of the following assigned units: Headquarters and Headquarters Detachment; 114th, 121st and 221st Aviation Companies; 82nd Medical Detachment; 80th and 167th Transportation Detachments; 544th Transportation Company; 28th, 257th, 277th and 325th Signal Detachments; 5th, 53rd and 62nd Quartermaster Detachments; 5th, 7th and 12th Door Gunner Detachments; and Company A, 101st Aviation Battalion, United States Army.

CONTRACT MANAGEMENT

A short course, "Contract Management Seminar," will be offered by the University of Alabama in Huntsville. The course, offered for the first time by UAH, will be held from 8:00 a.m. to 4:30 p.m., July 21-25.

The seminar is designed for administrative personnel in business and government engaged in the

management of research and development contracting. It provides concise presentations of management principles, practices, and techniques applicable to R & D effort under government prime contracts and subcontracts.

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NEW OFFICERS

New officers of the Huntsville chapter, Society for Personnel Administration, are making plans for chapter activities during the coming year. The officers are: J. T. Temple, Army Missile Command, president; J. E. Waggett, vice president; Marge Jege, secretary; and Frank Bynum, treasurer.

GEN. MILEY, AMC DEPUTY

Lt. Gen. Henry A. Miley, Jr., who was named Army Materiel Command Deputy Commanding General by President Nixon, has received his third star from Army Chief of Staff, Gen. William C. Westmoreland in a Pentagon ceremony.

Formerly AMC Director of Procurement and Production from 1964-1966, Gen. Miley has served in ODCSLOG for the past two years.

An experienced logistician, Gen. Miley has held many key positions in the Army's materiel structure both here and abroad. He served as tank-automotive procurement chief for four years for the Army's Chief of Ordnance; as Ordnance

TO VISIT PARK

Little Mountain State Park and Guntersville Beach will be the destination of the weekly tour sponsored by the Post Service Club.

Little Mountain State Park, located about 12 miles east of Guntersville, will be the first stop for a picnic and sightseeing. After lunch the group will stop at the amusement park and beach for swimming.

The bus will leave the Service Club at 11 a.m. Saturday and re-

turn at approximately 4:30 p.m. Lunch will be furnished.

UNIVERSITY COURSES

The University of Alabama in Huntsville will present a two week course sequence on "Probability and Statistics with Engineering Applications" and "Reliability Test and Demonstration for Missile and Space Systems" to be held Sept. 8-19.

This course is designed for engineers, scientists, and technical managers concerned with Product Assurance and Reliability Systems.

Beginning Sept. 22-26, a short course in "Modern Developments in Lubrication" will be presented by the University.

This course is intended to provide engineers and designers, with no special background in lubrication engineering, with a broad concept of lubrication principles, problems, and their solutions.

Officer, U. S. Army Europe; in the supply (G-4) division of the U. S. Army Communications Zone, Europe; and Commanding Officer, Advanced Weapons Support Command, Germany.

The oldest governor's mansion flying the United States flag is the residence of Puerto Rico's governor in San Juan.

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"Next to Sheraton Motor Inn"

Thiokol Holds Press Tour On 20th Anniversary Here

In the past 20 years of operation at Redstone Arsenal, Thiokol Chemical Corporation has totalled a pay roll of \$137 million and has spent \$27 million in procurement in the Huntsville area.

Thiokol officials observed the 20th anniversary of the Huntsville facility operation by inviting the press to tour the 1100 acre complex last week.

John H. Goodloe, vice president and manager of the local plant, outlined some of the company's early history as a supplier of synthetic rubber. When company officials agreed to use the polymers that make synthetic rubber to experiment with solid propellants for rocket motors, the company expanded operations at several sites, among them the government-owned, contractor operated plant at Redstone Arsenal. It began operations in one building in June, 1949.

Thiokol was the first missile contractor in Alabama. It began operation before missiles and space became household words in the Huntsville area.

The little motors which came off the line at first could be held in one hand. The latest flight motor tested at Redstone, the Castor IV in 358 feet long and 40 inches in diameter. Castor motors have been used as strap-on motors to help power satellites into orbit.

The building complex has grown so that each operation of manufacture occupies its own building.

Curing pit covers can be seen from the road network throughout the complex, and storage bunkers with concrete faces, steel doors and green sod over the top and sides stare blankly at visitors. Earth bulwarks guard potential hazard areas, eliminating the possibility of fire or explosion affecting more than the immediate site where it could happen.

The company's safety record is one of the best throughout industry despite the hazardous potential.

Thiokol has its own motor torture road. The motors are loaded on lowboy trailers and dragged across the stretch to see whether or not the propellant is rugged enough to withstand the stress. If it develops cracks or other flaws which show up on X-rays, it's a dud.

An even rate of burning, from the surface of the hollow core to the case of the missile, controls the reliability of a solid propellant motor. And the propellant serves as its own insulation for the casing until burnout.

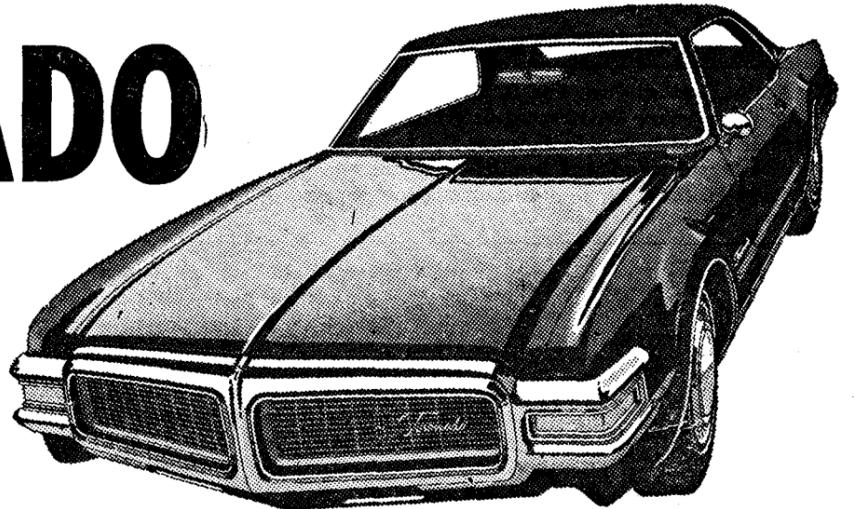
Scientists, engineers, and technicians keep at the business of building better motors to suit specific needs. For instance, a Sprint missile motor's burn rate is much faster than the propellant used for Pershing. All this came out in the laboratory where Dr. David Flanagan demonstrated the things that happen with propellants mixed for different purposes. He even handed out samples of inert propellant so that the reporters could feel the texture of the eraser-like substance. He pointed out that much of the dangerous work is done by remote control, such as laboratory experiments and mixing propellants.



OUR NEW AUSA TOP KICKS—New officers for the Tennessee Valley Chapter, Association of the U.S. Army were installed during the chapter's annual meeting last week. Shown above discussing plans for the coming year are: Herbert E. Meyer, secretary; J. J. Weed, director; Walter F. Eigenbrod, president; Dolly Flowers, director; William P. Burnett, first vice president; and John W. Monger, treasurer. New officers not included in photograph are: Edward D. Mohlere, second vice president; Tom D. Johnson, and Karl A. Woltersdorf, directors.

YEAR-END

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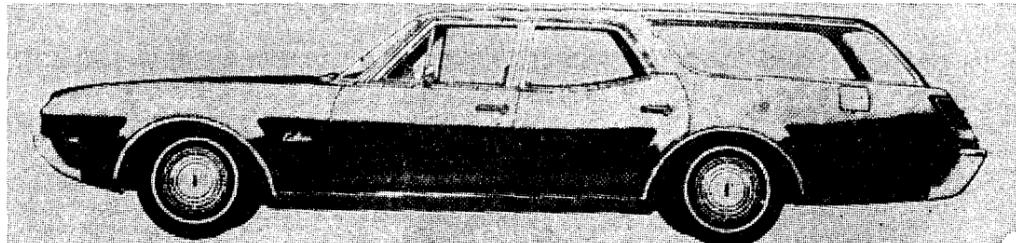
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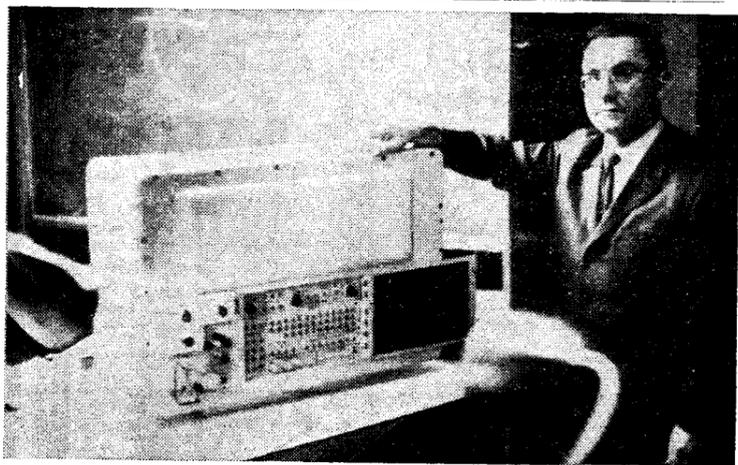
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DATA CONVERTER—The late Lt. Gen. William Bunker called the newly developed Nike Battery Terminal equipment, "The best in Ground Support Equipment available to the Army today." Designed to integrate Hercules and Hawk batteries into Air Defense Control and Coordination Centers, the AN/GSA-77 system was developed by Litton Industries under Missile Command supervision and is being deployed with Army units in the field. Claire Keppler is shown with the electronic data converter system during a recent new equipment training session at Okinawa. Keppler is a Missile Maintenance Technician with the Supply and Maintenance Directorate.

TO C&GSC

LTC Frederick Niedermeyer of the Army Air Defense Command Field Office in the Huntsville area is leaving for Ft. Leavenworth, Kans., where he will be enrolled in the Command and General Staff College.

He has been representing ARADCOM Headquarters for logistics at the Army Safeguard Logistics Command and was chief of Production and Logistics in the ARADCOM Field Office.

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Size	List	Sale	Excise Tax
6.50-13	27.34	14.72	1.79
7.00-13	27.45	15.55	1.94
775-14	30.45	16.90	2.20
825-14	34.47	18.39	2.36
560-15	26.96	14.64	1.76
775-15	30.45	14.88	2.21
855-15	34.47	19.08	2.63

GOLD SEAL BELTED "78"

2 Ply Nylon Cord Plus 2 Ply Fiberglass Belt—Designed for Sustained Speeds to 100 MPH—4-Ply White GS Belted TW

Size	Fits	List	Sale	Ex. Tax
F-78-14	7-75-14	49.00	24.07	2.36
G-78-14	8.15-14	53.69	26.32	2.44
H-78-14	8.55-14	59.02	28.47	2.68
G-78-15	8.15-15	53.71	26.36	2.68
H-78-15	8.55-15	59.05	28.51	2.77

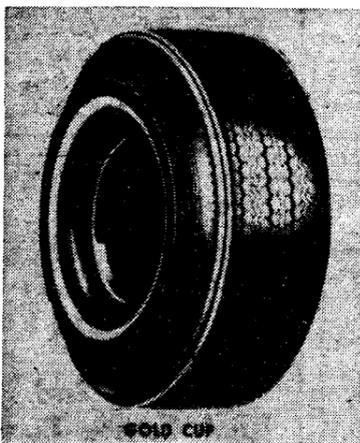
SUPER SPORT WIDE TRACK

Nylon Tubeless—Designed for Sustained Speeds to 100 MPH

Size	Fits	4 Ply White Sup Spt NT WT W List	Sale	Ex. Tax
F-70-14	7.75-14	51.10	25.91	2.58
G-70-14	8.15-14	56.06	28.16	2.73

ELITE SAFETY SHOULDERED NYLON TUBELESS

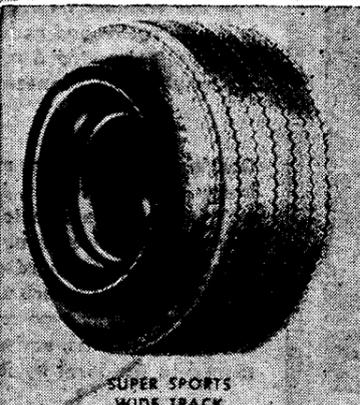
Size	Fits	4 Ply Elite List	Twin White 78 NT TW Sale	Ex. Tax
E-78-14	7.35-14	57.84	23.57	2.41
F-78-14	7.75-14		24.79	2.54
G-78-14	8.25-14	67.02	26.83	2.66
H-78-14	8.55-14	73.62	28.93	2.89
J-78-4	8.85-14		31.78	3.00
	7.75-15	61.28	24.80	2.48
	8.25-15	67.02	26.87	2.62
	8.55-15	73.62	28.92	2.85
	8.85-15	81.70	31.78	3.02
L-78-15	9.15-15	84.69	32.84	3.05



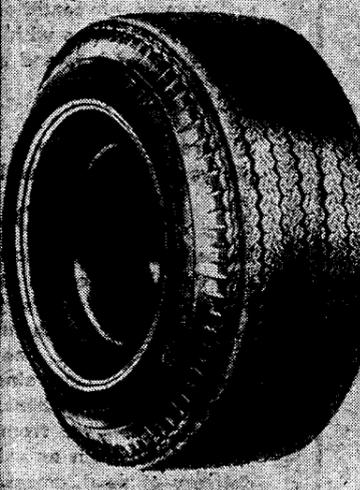
GOLD CUP



GOLD SEAL BELTED "78"



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 ACROSS FROM STONE JR. HI
539-8006

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 only \$2.98

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- * gives increased power

MAKE THIS 10-SECOND BATTERY CHECK TODAY
 Raise the hood of your car and look at the battery. A green or white formation around the battery or terminals means sulphation and sulphation means your car's battery is dying. You need VX-6 immediately, or you will soon have to spend money for a new battery. If there is no sulphation, you can prevent it by adding VX-6 now — it takes just a minute to increase the life of your battery by years. VX-6 is backed by an unconditional money-back guarantee, for 6 or 12 volt batteries.

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WHY PAY RENT . . . WHEN YOU CAN OWN YOUR OWN LOT WITHOUT ANY DOWN PAYMENT AND AS LITTLE AS \$35.00 PER MONTH.

AT AUCTION

SATURDAY, JULY 19 — 10:22 14/29 A.M.

The Joe Holland Charolais Farm. 326 acres more or less. New 6 room home, 2 baths. Another house 12 rooms and bath, barns, loading chutes, scales. 50 head Charolais cross cows, bred, 6 pen bred bulls. Located 6 miles south of Pulaski, Tenn. 20 miles north of Athens, Ala., on Alabama highway 127 or Tennessee Cedar Grove Road.

THE FARM

Consisting of 326 acres more or less. Located 6 miles south of Pulaski in the land of milk and honey and Bob Keller, is one of the finest livestock farms to go under the auction hammer. It is well located on a blacktop road on school bus, mail and milk routes. There is practically no waste land on the entire farm. It is all in permanent pastures with 20 acres of coastal bermuda. The balance in fescue, orchard grass, bluegrass and clover. It is fenced and cross-fenced with new woven wire and 5 strand barb wire, approximately 250 acres are level with enough rich land, creek bottom land to grow any type crop or hayland. Balance is rolling hill land, has several barns, loading chutes, catch pens, scales, and upright concrete silo. PLENTY OF EVERLASTING WATER is furnished to the farm by Richland Creek, well, ponds, springs and branches.

THE NEW HOME

Consists of 3 bedrooms, living room, dining room, kitchen, two full baths, partially ceramic tile, utility room, air conditioner, electric heat, dishwasher, built-in range and oven, carport and patio. The 12 room home with bath has recently been remodeled and paneled inside. This farm will be offered in 4 tracts and as a whole. Highest price will determine sale.

SOIL BANK

70 acres of this farm is now in the Soil Bank and has seven more years to go, and is paying \$2200 per year. The buyer will receive the Soil Bank checks beginning with 1970.

50 HEAD OF CROSS CHAROLAIS COWS BRED

These Herefords and cows are all bred from 4-T bulls and most of the cows will have calves by side sale day. Balance will calve during summer. There are no cows older than 1965 cows. Most are 1967. There are several fine 1968 bred heifers. Anything I've bred on sale day will have breeding privileges to grand champion Bull Fuyard 31st.

Six bulls registered, one son of Sam 951, 5 two-year old Charolais bulls registered. This is a production sale of cows since Mr. Holland has decided to sell the farm due to the fact that his business interests in Athens, Ala., makes it impossible for him to look after the farm here. Papers will be transferred from every animal sold.

Terms 25% down on sale day, balance on or before 30 days. Cattle, calf, possession of farm with delivery of deed, possession of houses on or before 30 days. The cattle will sell at 10:22 14/29 A.M. will be first, and the sale of farm will be at 12:21 1/2 P.M. Lunch will be served. For plats and brochures, contact—

IF YOU PLAN A real estate or cattle auction, let Keller Sell 'er. Licensed, bonded and insured.

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 Telephone 363-2527 or 363-4609
 Frank Adair, Our Alabama Broker
 Phone 539-1148 Huntsville

The information contained in this ad is derived from sources believed to be correct, but is not guaranteed.



Smelser Retires With 35 Years Federal Service

Paul E. Smelser, a civil engineer with the Huntsville Division, U. S. Army Corps of Engineers, retired last week after nearly 35 years federal service.

Except for a brief period with the U. S. Forest Service, Smelser's entire federal career has been with the Corps of Engineers.

He went to work with the Forest Service in August 1934, but transferred to the Fort Peck District of the Corps of Engineers three months later. In 1937 he moved from the Fort Peck District to the Mobile District, where he worked for 30 years. He joined the Huntsville Division in December 1967.

During World War II he served as an Engineer officer in Europe.

Since coming to Huntsville the Smelsers have lived at 600 Thornton Avenue. They will return to Mobile for retirement.

RETIRES—After 35 years of federal service Paul E. Smelser retired from the U. S. Army Corps of Engineers. Smelser has worked in Huntsville since December, 1967. He spent 30 years of his career with the Mobile (Ala.) Engineer District.

GREEN RETIRES WITH 27 YEARS

Dudley S. Green has returned to San Antonio, Tex., in retirement after having accumulated over 27 years of civilian service with the Army, the Air Force and the Navy.

Green concluded his long service as an equipment specialist in the Supply and Maintenance Directorate. He started his Redstone employment with the Redstone system support group and spent a period of time in the Pershing Project Office prior to being transferred to S&M.

A light plane pilot and certified aircraft inspector, Green hopes to establish a light plane repair shop in San Antonio.

AIR CONDITIONERS Installed \$199

MOST AMERICAN CARS—14,000 BTU
12 MONTH FACTORY WARRANTY
LIMITED SUPPLY . . . AT THIS PRICE

Call—

Jerry Damson Motors

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AUCTION

SAT., JULY 19th, 11 A.M. UNDER THE BIG TENT

27 Commercial Tracts

Located On South Memorial Parkway, Huntsville, Ala.

Adjoining The Automatic Electric Plant

ALL TRACT SIZES APPROXIMATELY 100 x 369 FT.

These are large, spacious tracts in a strategic location in the path of progress, centrally located, not too far from downtown Huntsville and only a stone's throw from Gate 2, Redstone Arsenal, Tennessee River and Madison County Boat Harbor. These level tracts with all improvements including paved streets, city sewage and a 12-in. water main open up possibilities for jackpot profits. Buy as many tracts as you can, build now for fast sales or hold the property and watch the value increase! If you are looking for a real investment, be sure and look these tracts over. Pick out yours and be there for the sale. Here is everything you need, and you set the price. Remember, all grade work on these tracts is finished and stub-outs on each tract. Zoned industry with railroad siding available. Pre-sale inspection invited.

20% DOWN SALE DAY. BALANCE TO BE PAID UPON DELIVERY OF DEED. OR BALANCE MAY BE FINANCED UP TO 5 YEARS.

NOTE: Automatic Electric Now Employs Approx. 1500 People And Will Soon Reach A Capacity Of Approx. 3000 People!

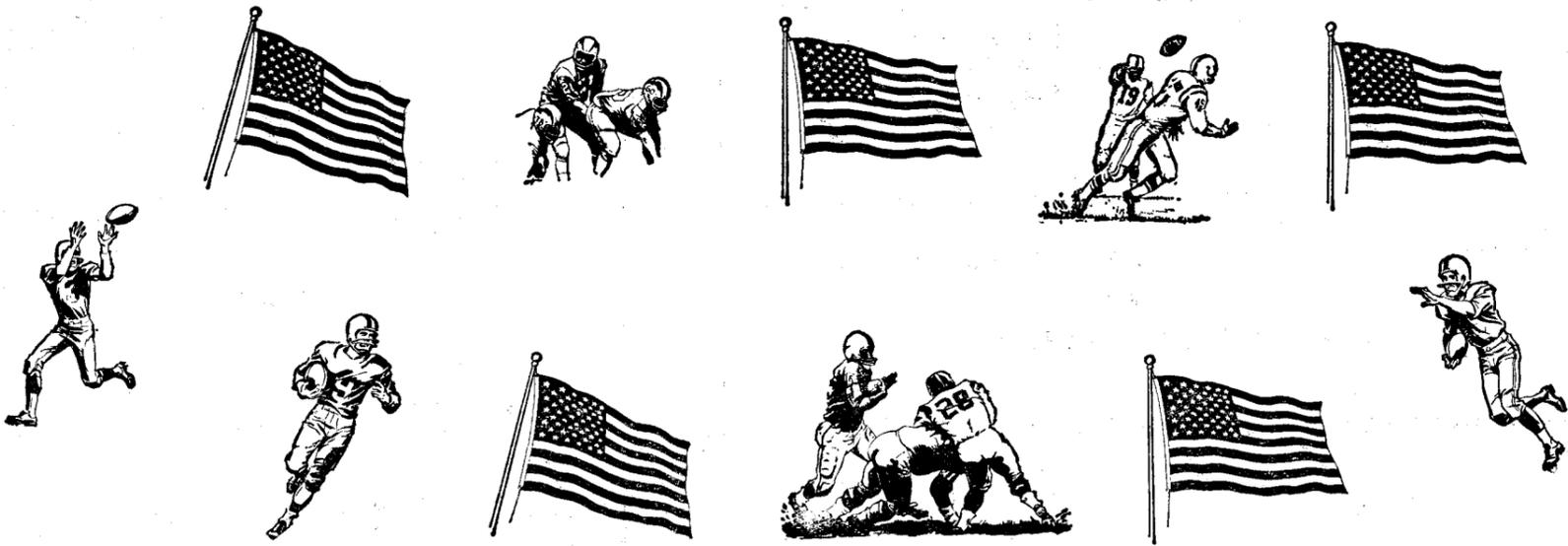
FREE BARBQUE
Lunch served to everyone under the big tent attending this sale.

FOR FURTHER INFORMATION CONTACT:

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Auction Company

509 Madison St. — Phone 539-4328 — Huntsville, Ala.



Your reaction to the idea of flying your personal flag at Milton Frank Stadium during the Alabama Hawks home games is gratifying.

This non-profit project could become bigger than we expected, but, your Hawks assure each of you that participate, your flag will fly at each of the home games, no matter how many of you join in this display.

Our immediate goal now is to have at least 100 flags up for the Sesquicentennial Ceremonies at the stadium on August 2nd, and at the Hawks vs. Atlanta Falcons game that evening.

Our spring camp opens on the 16th of July, but many of our boys under contract are already working out – all of us would like to come out on top in this Atlanta Falcons games.

It's the first time for a Continental Football League team to play a National Football League team – so we might as well make it a good one – it'll be a good game . . . so why not make it a winning one.

CALL NOW FOR YOUR SEASON TICKETS

SEASON TICKET HOLDERS ADMITTED FREE

FOR THE FALCON GAME

CALL FOR YOURS NOW

CALL 534-HAWK or 536-3391

**REMEMBER,
IT'S YOUR
FLAG**

**THAT WILL BE
FLYING!**



FLAGS:

Yes, I would like to have my Flag flying during the six home games of the Alabama Hawks.

Enclosed is my check for \$10.00 payable to Flags.

OR

Put it on my First Charge Plan No.

Put it on my Master Charge Card No.

NAME

I understand the Flag and staff will be given to me at the end of the Hawk's season.

ADDRESS

SIGNATURE