

The Redstone Rocket

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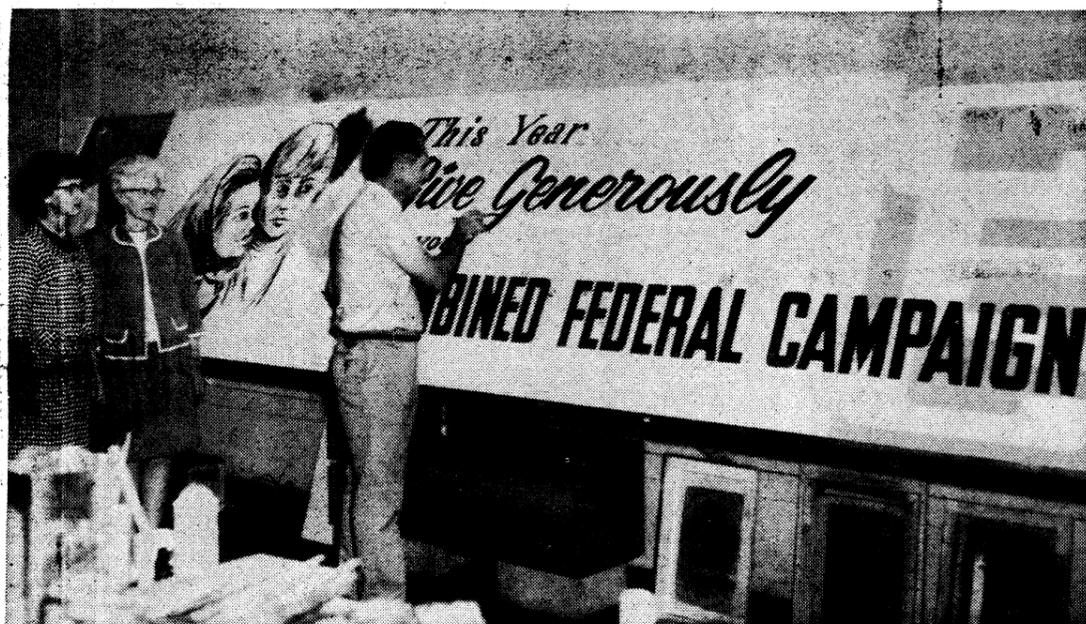
SEPTEMBER 18, 1968

Arsenal-Wide

Spot News

Dial 112

CFC BEGINS NEXT WEEK



SIGNS OF THE TIME—Murray Whisenant gets a little moral support as he puts the final touches on a sign to promote the Combined Federal Campaign that opens next Wednesday at Redstone and throughout the Huntsville area. Bonnie Holmes, secretary to Dr. Wernher von Braun, director of the Marshall Space Flight Center, and Louise Julich, secretary in the Land Combat Systems office, offer their suggestions to the artist.

14 Federal Agencies Set To Participate In Annual Fund Drive

Maj. Gen. Charles W. Eifler will be the keynote speaker for the traditional kickoff rally opening the 1969 Combined Federal Campaign for the Huntsville area at the Rocket Auditorium next Wednesday morning.

The Commanding General of the Army Missile Command will be the featured speaker at the assembly of CFC officials of 14 Federal agencies participating in the united drive and organizational chairmen of Army elements as they seek to duplicate or better the outstanding record that Huntsville area personnel have compiled in recent drives.

During each of the last four years Federal personnel in the Huntsville area have gained national recognition for their response to the annual appeal for working funds to support the work of some 150 local, national and international health, welfare and social service agencies.

Gen. Eifler is serving as general chairman for the 1969 drive and Robert Malone is the campaign coordinator.

Malone said that the annual fund-raising drive will be conducted over a five-week period. However, he added that it is hopeful that the solicitation will be concluded in less time.

He has met with the area coordinators for each of the agencies on two occasions to outline the aims and objectives and to familiarize the leaders with the techniques and mechanics of the drive.

Assisting Malone with the preliminary organizational meetings were, Al LaGrone, the Missile Command coordinator, Robert Starnes, who will be the Finance and reports chairman, and Marietta Graves, the payroll deduction coordinator.

The Missile Command's share of the annual drive will be directed by an experienced team of volunteer workers, headed by LaGrone. This is the second year that La

Gen. Gates Addresses Local Groups

Brig. Gen. Mahlon E. Gates, Commanding General, U.S. Army Sentinel Logistics Command, is making his first two public speeches in Huntsville this week.

Last night the Army's newest major commander in Huntsville addressed the North Alabama-Mississippi Section of the American Society of Mechanical Engineers at the Sheraton Motor Inn.

Tonight he is scheduled to be featured speaker again, this time to the Society of Logistics Engineers, Tennessee Valley Chapter, in the Redstone Arsenal Officers Open Mess.

His presentations include a brief description of Sentinel, the Army's anti-ballistic missile system which is to be deployed as a thin-line defense against the potential Chinese-Communist ICBM threat of the 1970's, the organizational structure within the Army to field the system, the logistical concepts for support of the system, and the current status of SENLOG, a major subordinate command of the U.S. Army Materiel Command.

SENLOG was activated on April 15, 1968 to provide mission logistical support to the deployed Sentinel System.

\$1.1 Million Contract For Hawk Goes To Local Production Contractor

The Army Missile Command has awarded \$1.1 million contract to the Boeing Company for work on the Improved Hawk missile system, with work to be performed primarily in Huntsville.

The contract is for advanced production engineering on the Improved Hawk wing and for production of industrial prototype wings.

Under the improvement program, the Hawk missile is redesigned as a more reliable and capable defense against high and low performance aircraft.

Outward configuration of the 16-foot supersonic missile is unchanged, but the missile contains a new guidance package, larger warhead, and improved motor propellant.

A "wooden round" concept, obtained by use of solid-state components, eliminates maintenance and adjustments in the field. Ground electronics equipment also is being modified under the improvement program.

Hawk is in operation with U.S. Army and Marine Corps overseas and in the U.S. The system is also built and operated by a North Atlantic Treaty Organization consortium.

The U.S. Army Missile Command at Redstone Arsenal is responsible for technical supervision of Hawk, with Col. John G. Redmon as Project Manager.

This contract was negotiated by the Command's Procurement and Production Directorate.

Sentinel Site Scheduled Near Boston

The U.S. Army said Friday that as a result of Congressional authorization to acquire land in the Boston area for construction of the nation's first Sentinel ballistic missile defense site, it is proceeding to acquire the necessary property from private owners and the Commonwealth of Massachusetts.

The Army Corps of Engineers will handle Sentinel site construction.

The site will consist of a Perimeter Acquisition Radar (PAR) facility to be located near Sharpners Pond in North Andover Township, 22 miles north of Boston.

Associated with the PAR will be a Missile Site Radar and missile launching facilities to be located (See SENTINEL on Page 3)

General Besson Visits Missile Command Monday For Program Briefings

Gen. Frank S. Besson, Jr., whose Command furnishes soldiers around the world with the weapons and equipment they need, flew into Redstone Arsenal Monday morning for talks on Army missile activities.

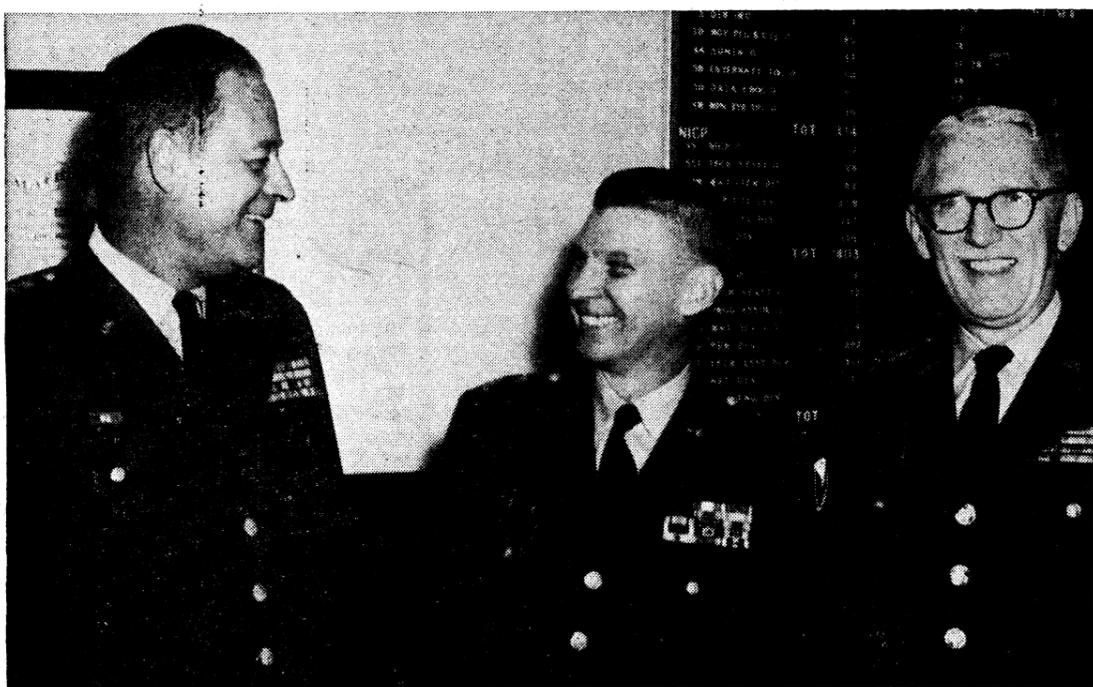
The Commanding General of the U.S. Army Materiel Command in Washington was welcomed at Redstone Army Airfield by Maj. Gen. Charles W. Eifler, Commanding General of the Army Missile Command.

Full briefings were conducted throughout the morning, emphasizing continued fast support of sol-

diers in the field and other logistics problems.

Taking part in the briefings for the Missile Command were Col. William J. Macpherson, Director of Supply and Maintenance Directorate; Robert O. Black, Vernon Cramer, Lt. Col. Frank M. Creighton, Jack Bailey, Mrs. Francis McFarland and Axel Davidson.

Accompanying Gen. Besson were Maj. Gen. John H. Hayes, Director of Materiel Requirements at the Materiel Command; John Shada Special Assistant for Support Operations; and Col. John H. Sollosi, Acting Chief, Program and Resources Office.



WELCOME BACK TO REDSTONE—Gen. Frank S. Besson, Jr., Commanding General of the U.S. Army Materiel Command, is welcomed back to Redstone Arsenal by Maj. Gen. Charles W. Eifler, Commanding General of the Army Missile Command, (center). At the right is Maj. Gen. John H. Hayes, Director of Materiel Requirements at the Materiel Command. General Besson and his party were here Monday for logistics briefings at the Missile Command's Supply and Maintenance Directorate.

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.

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 noon of Friday before publication.

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Rocket Ruminations

I cannot tell how the truth may be;
I say the tale as 'twas said to me.

—Sir Walter Scott

EDITORIAL—

Our Army Hawk Serving Well

Announcement by the Missile Command last week of a \$1.1 million contract award for work on the improved Hawk missile to the Boeing Company, and subsequent announcement by Boeing that the work would be performed in Huntsville, has particular significance.

It marks the first production line work on an Army missile in Huntsville.

The contract is for advanced production engineering on the missile's wing and for production of industrial prototype wings.

The Hawk missile has an illustrious history, and a bright future. It has been on site in the United States, is widely deployed in Europe as a NATO air defense weapon, was a comfort to all freedom-loving peoples during the Cuban crisis, and has been ready if needed in Vietnam.

Our Hawk has provided employment for hundreds of Department of the Army civilian personnel at Redstone Arsenal, and all over the world, as they helped the Army develop and deploy this system.

It's good to see Hawk assume a new role in boosting Huntsville's economy.

RALLY

(Continued From Page 1)

Grone has been the MICOM coordinator after having served as finance and reports chairman for four years.

Malone will double as chairman of the drive for the Land Combat Systems, a position that he has filled for several years, and Abner McNaron will be seeking to place the Comptroller and Director of Programs Office in the 100 per cent participation bracket for the fourth straight year.

Lt. Steven O'Keefe takes over from George O'Reilly as chairman for the Command Staff Offices and William Willoughby succeeds Aaron Brackeen as the coordinator for the Product Assurance and Test Management Office.

Each of the large MICOM di-

rectorates have designated a new chairman this year with Col. W. J. Macpherson, director of Supply and Maintenance, assuming the role of chairman for his directorate. He will be assisted by Leonard Twinem, who has served as chairman in past drives.

Jess Huff will be assisted by Dave Hayles in the Research and Development directorate, Austin Couch and D. W. Ryals, will coordinate the drive for Procurement and Production, while Robert Seavers will direct the effort for the Assenal Support Operations Directorate.

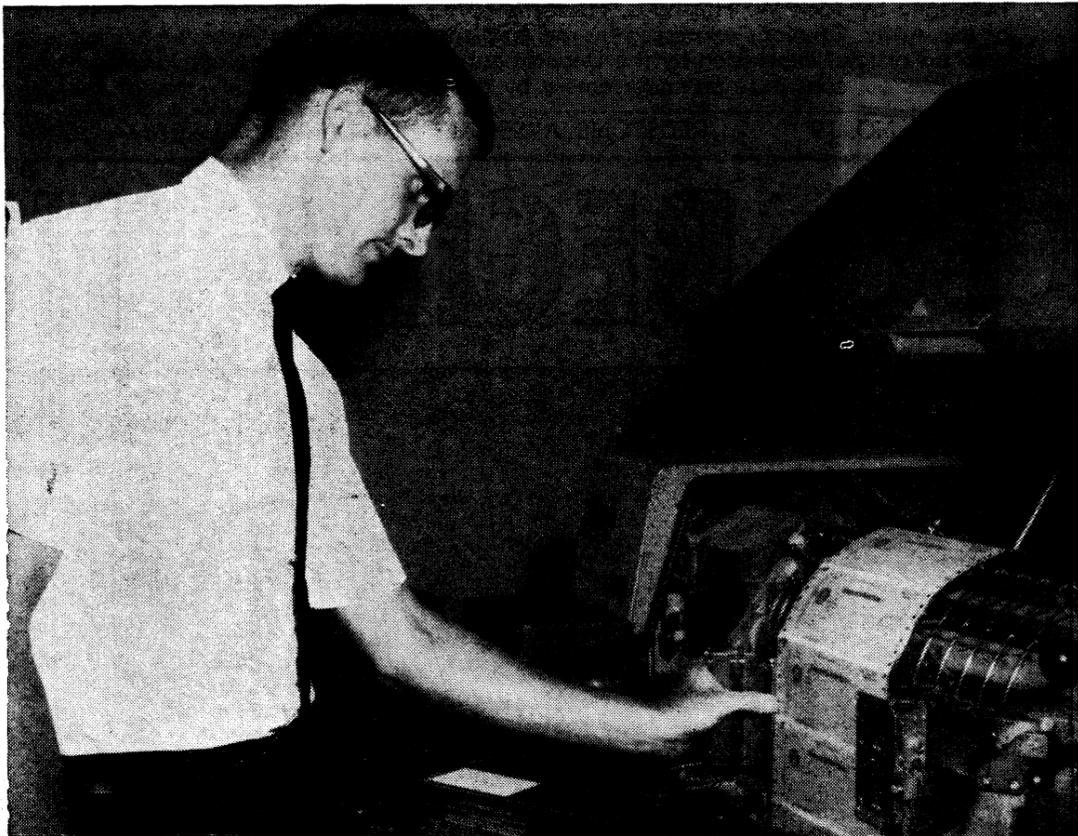
Heading the drive among the Air Defense Fire Distribution Systems Office will be Maj. Alexander Stewart while Fred Sayers will coordinate the campaign within the Air Defense Systems.

Jerry Miller will direct the drive

ZERO DEFECTS CORNER



it's up to you!



For the second consecutive month the Zero Defects Program Council has tapped an employee of the Finance and Accounting Center for Employee of the Month acclaim. The September citation was voted to Elmer Perry, a digital computer system operator, who is responsible for processing all of the payroll checks that are paid through the local Center.

Perry was selected for the honor in recognition of a near-perfect performance of his assigned duties over the past six months. During that time he has prepared some 250,000 checks and only 26 of them had to be spoiled and re-issued. At the same time Perry has issued over 85,000 U.S. Savings Bonds and Notes. It was necessary to spoil and re-issue six of the Bonds.

In recommending him for the monthly award, LTC M. A. Jones, the MICOM Finance and Ac-

counting Officer, said that Perry's performance is indicative of the high degree of accuracy in the issuance of checks and bonds at this installation. Since checks and bonds are such highly controlled documents, he added, the responsible individual must be held accountable, not only for the checks and bonds, but also for the printing, punching and bursting.

A native of Lauderdale County, Perry attended Alverson Draughon Business College and is presently attending night classes at John Calhoun College. He has been employed by the Missile Command for over five years having spent all of the time with the Finance and Accounting Center. During this time he has advanced from an EAM Operator to his position as Computer Programmer.

for the Missile Intelligence Directorate while Ruth Milner will occupy the same position for the Metrology and Calibration Center.

As in past years the Thiokol Chemical Corp. and the Rohm & Haas Company will join in with the Missile Command units for the drive as will the Mobile District Office of the Corps of Engineers.

Leon Champion will coordinate the drive for Thiokol with P. T. Campbell handling the assignment for Rohm & Haas. William Ashmore is heading the drive for the Engineers.

NASA TOUR

The Service Club will sponsor a tour to The NASA Museum Sunday afternoon, Sept. 22. The bus will leave the Service Club at 1:30 p.m. and return at 3:30 p.m.

Theatre Schedule

WEDNESDAY, Sept. 18 — "The Ugly Ones"(M)
THURSDAY-FRIDAY, Sept. 19-20 — "The Bliss of Mrs. Blossom"(M)
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TUESDAY, Sept. 24 — "A Bullet for the General"(M)

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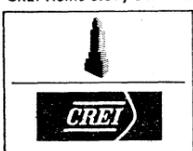
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Arr. Tampa	11:34a	1:34p	—	10:26p	39.00
Art. Orlando	11:25a	2:32p	—	9:30p	39.00

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Sentinel Awards \$9.7 Million Contract

Kentron-Hawaii Ltd., a subsidiary of the Ling-Temco-Vought Corp., has received a \$9,777,000 contract for continued technical support at the Kwajalein Missile Range in the Pacific, the Sentinel System Command said today.

Kwajalein, a national missile range located in the Marshall Islands, is operated by the Command for the Army Chief of Research and Development. It is used, however, by all services and the Department of Defense for missile research and development and related programs.

The cost-plus-fixed-fee contract will cover work to be performed by Kentron-Hawaii during the period from Oct. 1, 1968, through Sept. 30, 1969.

The Honolulu based firm has held the Kwajalein technical support contract for several years.

The firm will supply a variety of technical services as well as management, engineering and technical personnel necessary for operations of the complex range facilities.

Included among the Kentron-Hawaii services are operation of telemetry systems, optical instrumentation systems, a photographic laboratory, electronic instrumentation systems, a range operations control center, a recovery system for ICBM boosted target vehicles which impact in the Kwajalein lagoon and a central data processing center.

Kwajalein is not only the primary test area for the Army's Sentinel ballistic missile defense system, but is also used by the Air Force, Navy and Department of Defense for reentry physics studies. Many of these latter programs involve reentry observation of specially designed missile payloads launched aboard intercontinental ballistic missiles at Vandenberg Air Force Base, Calif., 5,000 miles away.

Some missile payloads are pinpointed by radar on impact and recovered from the Kwajalein lagoon through use of divers and a two man submarine operated by Kentron-Hawaii.

The Kwajalein Range is managed by the Sentinel System Command's Kwajalein Range Directorate. The contract will be administered by the Command's Contracts Office.

McDonald Named To Faculty Post

Homer N. McDonald, who was employed in Systems Contract Division A as chief of Negotiation Branch 2 in the Army Missile Command Procurement and Production Directorate before his retirement in late February, has been appointed to the Snead State Junior College faculty.

He is serving as an instructor in business administration. He has a bachelors degree from Samford University and a masters degree from the University of Alabama. His major fields are business administration and chemistry.



CAPT. WILLIAM P. BOCK

Capt. Bock Named Aide

A Vietnam veteran who holds the Soldier's Medal, Purple Heart and the Bronze Star has been named Aide-de-Camp to Maj. Gen. Charles W. Eifler, Commanding General of the U. S. Army Missile Command.

son of Mr. and Mrs. Paul F. Bock, Upper Saddle River, N.J.

Capt. Bock succeeds Capt. John Mumford who is leaving for duty in Vietnam.

The new aide just recently returned from Vietnam where he served with the Third Battalion,

He is Capt. William P. Bock, 24,

Civil Service Explains Employment Procedures

Better understanding of employment procedures of the U. S. Civil Service Commission and local Department of Defense agencies was the objective of a meeting Friday at the U. S. Army Missile Command.

Approximately 20 educators, guidance counselors and others in a position to advise Negroes interested in federal employment opportunities attended the two hour session.

Gordon Pressley, chief staffing branch, Atlanta Regional Office, Civil Service Commission and Robert Seay, executive officer, In-

teragency Board of Civil Service Examiners for North Alabama, explained Civil Service recruiting and examining procedures as well as the centralized federal employment service offered locally by the Interagency Board.

Pressley, Seay, and representatives of the Missile Command Civilian Personnel Office discussed the relationship of the Interagency Board and local Army agencies in the referral of qualified applicants for specific job openings.

Maj. Gen. Charles W. Eifler, Commanding General of the U. S. Army Missile Command, and Dr. R. D. Morrison, President, Alabama A & M College, were co-chairmen for a group discussion following the formal presentation.

Sixth Artillery, as a forward artillery observer in the Central Highlands. He was wounded by an enemy artillery round serving in this assignment in 1967.

Among other assignments, he was stationed for a short time as a platoon leader in Korea with the First Battalion, 38th Infantry.

Other awards and decorations include the Air Medal. He also wears paratrooper wings and aircraft crew member wings since earlier duties as an aerial observer.

Capt. Bock is a graduate of Gettysburg College in Pennsylvania with a BS degree in History. He lists as hobbies sailing, skiing, riding, hunting, fishing and sports car rallying.

SENTINEL

(Continued From Page 1)

at Camp Curtis Guild, Massachusetts National Guard Camp near Reading, 14 miles north of Boston.

Each of the two facilities will require approximately 300 acres of land.

Drive Safely

ATTENTION REDSTONE ROCKET READERS FROM HUNTSVILLE YMCA

We are pleased to advise you that due to the great success of our Speed Reading program this Summer, we have arranged to hold Fall Speed Reading classes. Nearly 200 Huntsvillians took the course and the enthusiasm of the students has spread through the community. Many of you attended demonstrations but were unable to register because of conflicts. Classes will be held on a once a week basis and are due to be completed just before Christmas.

Professional and Businessmen have a constant problem of keeping up with paperwork, periodicals of their trade and all other written and printed matters vital to the successful conduct of their business. If you saved only 6 minutes out of every working hour due to greater efficiency and ability to concentrate, the cost of this course would be amortized in less than 6 weeks. There is so much to read and so little time to do it.

The free initial classes for twelve once a week two hour sessions will be held at Central YMCA, 203 S. Greene Street, daily at 4:30 p.m. and 7:00 p.m. These will begin on Monday, September 23, and run through Tuesday, October 1 (except Saturdays).

You owe it to yourself to find out how fast you read, how much you comprehend and how you will achieve a guaranteed 1000 words a minute with good comprehension. Find out how you will be able to concentrate more and how you will be able to do all your required reading and much more in a fraction of the time you now use.

Cost for the course is \$72.00 for students 13 years old and up going to High School and Jr. High School. College students and Adults cost is \$88.00. If 2 or more members of a family register an additional 5% discount is given. 'Y' members also get an additional 5% discount.

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Officers Wives Club Members Face Busy New Year With Many Activities

Approximately 350 members and guests attended the Fall Coffee sponsored by the Redstone Officers Wives Club at the Open Mess Sept. 10.

Cultural, recreational and religious activities are offered to club members. Rosters were available for individuals to sign for participation in forthcoming classes in ceramics, candlemaking, sewing, needlework, grape making, papier-mache, cake decorating, bridge, art, dancing, slim and trim, interior decorating and tennis.

For the athletic, the club sponsors golf and bowling groups. In addition both party and duplicate bridge are offered and for those with a green thumb there is the home and garden club. Another activity is the choral group.

Mrs. W. J. Macpherson is the president, Mrs. L. R. Wright, first vice president; Mrs. A. F. Pottle, Jr., second vice president; Mrs. J. W. McCoy the recording secretary, Mrs. D. A. Rodeman, corresponding secretary and Mrs. N. P. Hopkins, treasurer.

The appointive chairmen are: Mrs. T. L. Waters, hospitality; Mrs. C. J. Tuel, reservations; Mrs. C. M. Beavers, publicity; Mrs. R. L. Hart, house; Mrs. W. R. Marlowe, Jr., membership; Mrs. A. Holston, sports, hobbies and crafts; Mrs. A. F. LeBlanc, ways and means; Mrs. E. M. Dooley, welfare; Mrs. L. B. Shanley, Jr., parliamentarian; Mrs. G. W. Budd, Mrs. A. F. LeBlanc and Mrs. W. F. Koontz represent the thrift shop board and Mrs. F. T. Morano and Mrs. R. J. Feist the teenage club.

Mrs. R. P. Dials is chairman of the golf group; Mrs. R. G. Ficke, party bridge; Mrs. F. B. Goodman duplicate bridge; Mrs. E. V. Lau, bowling; Mrs. Morris Pettit, choral group and Mrs. K. C. Johnson, home and garden club.

The honorary board includes Mrs. Charles W. Eifler, president; Mrs. Paul B. Schuppener, vice president; and Mrs. Edmund O'Connor, Mrs. Ivey O. Drewry and Mrs. Robert P. Young, advisors.

In addition to the club sponsored activities, members work as Red Cross Volunteers, are on the staff of the post nursery, work with the post chaplain, participate in Boy and Girl Scout programs, and the many activities sponsored by the Joint Activities Council on post.

In addition, representatives are active in the Redstone Yacht Club and the Saddle Club. Others participate in such community activities as the Huntsville Civic Symphony and the Huntsville Ballet Association as well as Little Theatre and school sponsored programs.

At forthcoming monthly meetings of the Wives Club, the pro-

gram includes a fashion show in October, a demonstration of wigs and cosmetics, a Christmas Ballet, an art show, card party and interior decorating demonstration.

Special events include the annual Harvest Ball, college mixers and a Spring Cotillion.

Hostesses for the season's kick-off coffee were members of the Hospitality Committee under Mrs. Water and Arts, crafts and Hobbies chairman, Mrs. Holston.

SCHEDULE PICNIC

Earl D. Hicks, president of Redstone Chapter 353 National Sojourners, announces the annual picnic will be held at 3:00 p.m. Saturday at the Redstone Arsenal boat docks (Military) picnic area. Sojourners, their families and guests are invited.

Reservations may be made by calling Charlie Rollins at 876-3032 or Paul Neilson at 881-4144.

LADIES IN 'VIETNAM'—The Army Missile and Munitions Center and School hosted wives of personnel at the Huntsville Division, Corps of Army Engineers, for a tour of the Vietnam village. At right, Cindy Sterner, an escort for the tour, emerges from a true-to-life replica of a Vietnamese hut. Below, Mrs. Perry Davis, whose husband is assistant information officer for the Huntsville Engineers, views a Viet Cong propaganda poster.



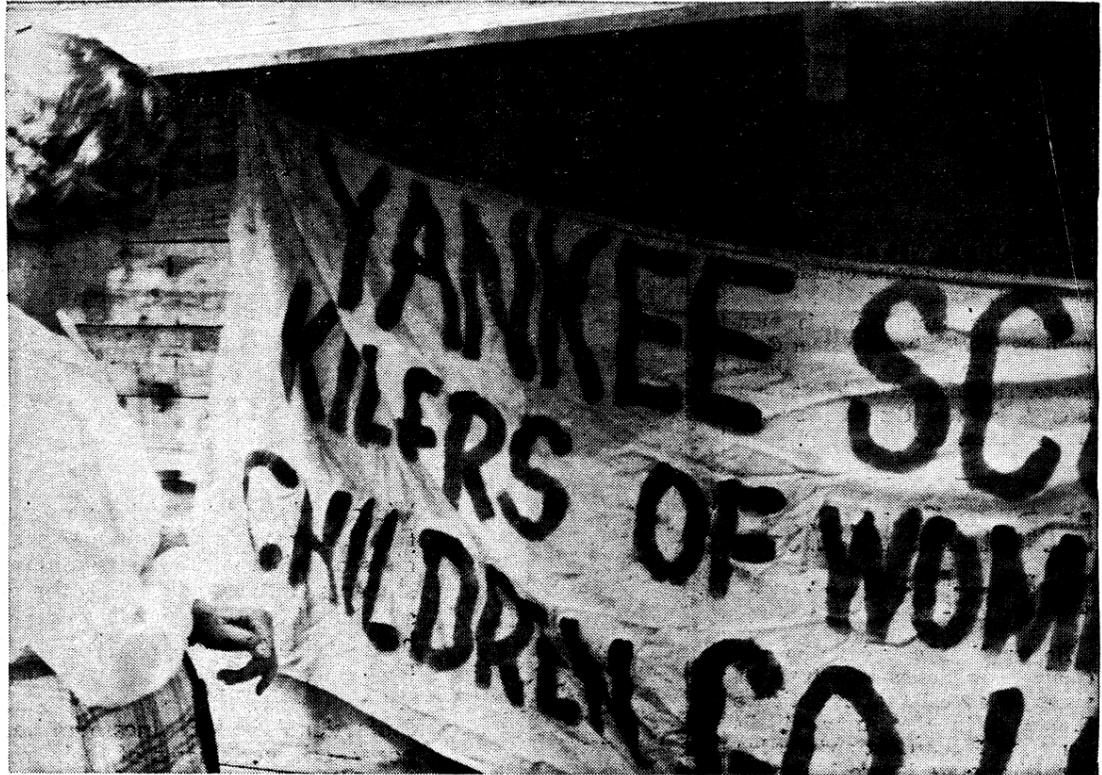
SPEAKS TO GRADS—Maj. James L. Buckner, commander of 3rd Battalion at School Brigade, will be guest speaker at graduation of the Missile and Munitions Center and School Friday. Scheduled to receive diplomas are 121 students, including men from Denmark, Netherlands, Korea, Germany and the Marine Corps. The exercise begins at 9:15 a.m. in the Post Theater and everyone is invited to attend.

PLAN COFFEE

A coffee party and talent show will be the entertainment at the Service Club on Sunday, Sept. 22 at 1900 hours.

The coffee has become one of the most popular regular activities at the Club. The relaxed atmosphere of the coffee encourages participants to be themselves whether it be song, music, poetry or politics. The Club coffee gives talented enlisted men a chance to perform.

All persons interested in performing at the party are requested to come by the Service Club and register with a member of the club staff.



Gen. Antonelli To Speak At Transportation Meet

Brig. Gen. Theodore Antonelli USA, will be the speaker at the Sept. 19th meeting of the Huntsville Chapter, National Defense Transportation Association.

Gen. Antonelli is Vice Director, Defense Communications Planning Group, Washington, D.C. His subject will be "Strategic Mobility."

Col. Henry R. Delmar will accompany General Antonelli. Gen. Antonelli was Chief of Transportation at the Army Missile Command from 1960 to 1962. Colonel

Delmar served as Chief, Transportation, ABMA and AOMC from 1956 to 1960.

The meeting will be in the Sentinel Room, Redstone Officers Open Mess and social hour will be at 6:00 p.m. Ronald Sparks telephone 534-2445, is taking reservations.

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Twelve JANGO's Receive Caps In Chapel Ceremony

Twelve girls received their caps as full-fledged members of the Junior Army Navy Guild Organization (JANGO) during a candlelight ceremony Thursday night at the Redstone Post Chapel. Col. Annie E. Taylor, Chief Nurse, Third Army, placed the caps on the girls' heads, assisted by JANGO secretary, Lynn Pearson.

dent, welcomed the guests and presided over the program which included an address by Col. Ernest M. Bralley, Jr., Redstone Post Surgeon.

Those in the class who were awarded caps for completing 24 hours of time in class training and 76 hours of work in the Post Hospital, Dental Clinic and Bloodmobile, were:

Donna Blue, Brenda Brochu, Margaret Clegg, Margaret Gannon, Sherry Graham, Claire Hamilton, Peggy Hoffman, Ann Holston, Andean Larson, Teri Mendelson, Leslie Murphy and Virginia Van Auken.

The girls were the fifth JANGO class to finish training as nurses aides at Redstone since the chapter was established. The Redstone JANGO Guild is the only one on an Army post outside the Washington, D.C. area.

Chairman and assistant chairman for the Redstone JANGO Guild are Mrs. Alfred Holston and Mrs. Richard J. Clement.



LEADERS—Officers of the Redstone Guild of JANGO this year are, left to right, first row, Virginia Van Auken, second vice president; Cindy Twitchell president; and Mary McHugh, first vice president. In the back row, left to right, are Lynn Pearson, corresponding secretary; Ann Holston, recording secretary; and Teri Mendelson, treasurer.

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JANGO CLASS—The fifth JANGO class at Redstone was capped Thursday night at the Post Chapel. Shown here are, first row, left to right, Leslie Murphy, Andean Larson, Margaret Clegg, Margaret Gannon, Peggy Hoffman and Teri Mendelson. In the back row, left to right are Virginia Van Auken, Sherry Graham, Donna Blue, Brenda Brochu, Patricia Young, a candidate, Claire Hamilton and Ann Holston. Diane McCombs and Kay Pella, who are also candidates, were not present for the photo.

WHY READ FASTER

Dr. Cecil Mullins, renowned Texas Educational Psychologist, states that the faster you read the more you comprehend. "Fifteen years ago," he continued, "I became intrigued with the tremendous possibilities of the human mind. I found that by teaching students to read with greater speed and concentration I was able to make them read books in as little as fifteen minutes with better comprehension than they would ever have been able to in 8 to 10 hours. It didn't matter whether the books were fiction, history or of a technical nature. A doctor can devour medical books, a lawyer legal matter, etc., at unprecedented and often unbelievable speeds."



DR. CECIL MULLINS
Inventor of Optimation

become the best readers anywhere."

The accomplishments of some of Optimation's previous students sound like something out of science. One 13-year-old lad read books for his public school assignments in 6 to 10 minutes. His grades have jumped from barely passed to straight A's and B's after taking the course.

Another ex-student, a 35-year-old public school teacher, had made less than average grades in his undergraduate university work. He went back for graduate studies after developing, through Optimation, the ability to read an average non-fiction book in 10 to 15 minutes. His first semester at Texas University he was awarded straight A's and a chance for a scholarship.

These are just two of many reports from teachers, doctors, lawyers and other business and professional men who find that each day has progressively more reading to be done and fewer minutes to do it.

"I know the results sound incredible," Dr. Mullins said "but we have a standing offer wherever Optimation is taught for anyone who is undecided to come to our first meeting free of any obligation to see for himself what the course will be like. And our guarantee is absolutely firm."

THE COURSE

The Optimation method has been producing reading speeds of several thousand words per minute for ten years and has drawn praises and comments from educators and businessmen in every state of the Union and many foreign countries. During recent years Optimation has developed to the point where it offers a written money back guarantee of 1,000 words per minute and one book an hour to each of its students.

"To the best of my knowledge, Optimation is the only method in the world which offers such a guarantee," said Dr. Mullins, the inventor of the technique.

The course is taught in 12 two-hour sessions, usually meeting once a week for 12 weeks. Optimation accepts all students 13 years old or older. It is not unusual to have grandparents and grandchildren sitting next to each other in the same class.

"One of the secrets of our success," Dr. Mullins said "is that we are firmly committed to the principles that learning proceeds best only when the students are enjoying themselves. In our classes most of the students have a ball from beginning to end—and along the way, they

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Accountants Take RSA Slo-Pitch Crown Again

Amos Takes Over After MARS Wins First Game

After dropping their first decision of the year in the playoff opener, Finance and Accounting came roaring back to outscore the Aero-Jugs twice and capture their second straight Redstone Arsenal slo-pitch championship last week.

The Army Team raced through the Civilian Welfare Fund league season with 21 consecutive victories while the Jugs took the Marshall Space Flight Center title.

In the opener last Monday the Jugs pushed across a pair of tallies after two men had been retired in the seventh inning for a 10-9 victory. But the Accountants were not to be denied and they came storming back to square accounts with a 16-3 win on Wednesday and followed that with a 6-2 win and the championship the following night.

F&A started fast in the opener and built up a 9-3 lead in the third inning of the first game but from there on out it was all Marshall as Joe Lowery limited the Accountants to a single safety over the last four innings.

Dale Andrews started the winning rally with a single. After the second out had been recorded, Colley Kellett singled sending Andrews to third. Bob Dunn followed with another single scoring Andrews from third and Kellett raced around third and slid home under Elliott Agee's tag with the winning run.

Andrews had homered earlier in the game and Harold Jacobs sparked the early Accounting scoring with a three-run homer.

The Accounting bats that had been silent during the last half of the first game sounded off with a vengeance early in the second game accounting for four runs in the second and six more the next turn at bat.

Five of the Accountants collected three hits in the game with Russ Ward connecting for a pair of round trippers and Fred Smith getting another. Charles Amos was on the mound for the CWF team and he had an easy time in recording the win.

Amos and Lowery opposed each other in the final game which turned into a defensive duel with

sparkling infield play on each side.

The Accountants loaded the bases with one out in the first and again in the second but were only able to get a single score out of the two threats. In the top of the third Bob Dunn doubled for the first hit off Amos and took third on an infield out. Mike Susko delivered the tying run with a fly to Julian Williams near the fence in right center.

The Army representatives got to Lowery again in the third and this time they made it pay off with a pair of runs. Ward, Lewis and Duane Kidd singled with Ward scoring on the third hit. Lewis made it 3-1 when Fred Smith flied out.

Another pair of runs scored in the fourth and Williams completed the scoring for the Accountants with a sixth inning homer. Meanwhile Amos kept the NASA hitters at bay surrendering the final run in the fifth, on singles by Charley Dill, Andrews and Kellett. The threat died when Andrews was thrown out trying to take third on Kellett's hit.

Buddy Lewis was the top hitter for the Accountants with six out of nine while Ward collected seven out of eleven with five of the hits going for extra bases. Andrews, the top Jug hitter throughout the year, was limited to five safe blows but each of them was delivered during a scoring threat.

In capturing their second straight Arsenal championship, the Accountants boosted their winning record to 48 wins against six losses over the past two years. They have completely dominated Civilian Welfare League play winning 35 straight after three early season losses last year.



READY TO UNLOAD—Russ Ward, hard hitting third baseman for the Finance and Accounting softballers, gets ready to cut down on one of Joe Lowery's pitches during the first game of the Redstone Arsenal playoff series. Ward is a distinct threat to hit a home run every time he steps into the batter's box and he delivered a pair of four baggers as the Accountants pounded out a 16-3 win in the second game.

Supply Strikers Get Fast Start

Supply and Maintenance League bowlers were in mid-season form last week as they blasted the lid off their 33-week season at the Starlite Lanes.

Just about the only thing lacking was an individual Honor Roll count when the twelve team circuit finished their warfare with the maple ten pins. However, eleven bowlers came within 50 pins of reaching a 200 average for their first series of the year.

Reba's Raiders (formerly HUBCO) turned in the only sweep of the evening when they took the measure of the Bushwackers with

each of their regulars going over 530. Tom Lindsay was high with 548 while Tom Palmer hit for 549 in the losing cause.

Fred Washington copped individual honors with a 580 and John Montana chipped in with 558 more as Lily Flagg took the Pin Busters, three to one, and Tad's did the same to the Baker Realtors as Al Sarge fired a 546. Nate Barnes shot a 557 and Seth McCracken collected 550 sticks for the Realtors.

Morgan Caudle carved out a 577 tally and Joe Holub added 547 more, but the Auto Center could do no better than split when Ed Berg shot a 571 and Buck Wade turned in a 563 card for the Crackers. John Weaver got the Chiefs a split with the Dragons with a 550 total.

The newly formed Renegades got off to a 3 to 1 start at the expense of the defending champion All-Sports as George Foster shot a 560 and Fred Stewart had a 557. Frenchy Marquis topped the Sports with a 553.

Male Bowlers Get Lesson In Scoring

The male members of the F&A Mixed Bowling League were forced to set up and take notice last week as one of the gals showed them what the game was all about.

Marty Schmitz put together a 194 game and Milt Jones was close behind with a 193. But the "weaker" half of the league was way out ahead of that with the 216 that Glenda Kidd manufactured.

As for team play, the Avengers clung to first place by winning three from M Squad as the Untouchables dropped a point by splitting with the Kidds. The Updates broke even with the Twosomes and the Lanerunners won



POWER HITTER—Tom Kaminski, of the 291st Military Police Company, accepts the Most Valuable Player award from Col. James L. Keown in recognition of his play in the Unit Level Softball league this summer. Kaminski connected for 25 home runs during the season as he led the Police to the regular season championship with a record of 29 wins in 31 starts. A native of Detroit, the hard hitting shortstop was a freshman football player at the University of Houston before being called to active duty. The Sixth ETC captured runner up honors with a 26-5 record while the Missile Command took the playoff series by defeating the Ninth ETC in the final game.

Arsenal Youths Start With Win

The Redstone Rams exhibited an immovable defense to go along with their fast and hard hitting attack in posting a 12-0 win over Monrovia in the 95-pound division of the Huntsville Parks and Playground football league last week.

It was the opening game of the season for the Rams who will be back at Hunstville Park tomorrow evening to take on the Northern League eleven.

The defensive platoon for the Arsenal youths never surrendered as much as a single first down to the Monrovia team while Craig Willis reeled off a 65-yard dash for one touchdown and Mike Bussey tallied the other from 35 yards

away. Mike Howell, Larry Joe Silence and Pat Mahoney led the defensive charge that kept the Monrovia offense from getting started and consistently threw their runners for losses.

On the attack Will's and Bussey got a lot of help from Gus Steenborg, Bobo Bearden and Bill Willis.

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Officials Needed For RSA Football

Special Services reports a desperate need for football officials for the upcoming season. A rules clinic will be set soon. Anyone interested in earning money as an official, contact SFC Irving Lyles at 876-2501.

Tackle football is sponsored by Special Services on the battalion level and five teams are in the league this year: 1st, 2nd and 3rd Battalions from School Brigade Unit Training Command, and Army Missile Command.

On the unit level, 15 squads have signed up to participate in flag football. From the school are teams representing the four permanent party companies—A, B, C and D—and the 11 student companies—1st-4th ETC combined, 2nd ETC, 3rd ETC, 5th-7th ETC combined, 6th ETC, 8th ETC, 9th ETC Student Officer Company-Headquarters Company combined. MI COM, the MP's and 200th Ordnance Company round out the league.

Beal Tops Comp Center Bowlers

A three out of four win over the Hawks last week enabled the Bobby Beal to hold onto the Comp Center Mixed League lead despite a strong challenge put out by the Spares.

The latter quartet put together a 2329 total pinfall but they could do no better than equal the three out of four victory margin and remained a single point off the leading pace.

Bobby Beal was the top chucker in the Spare lineup with a 543 total and Helen Matthews chipped in with a 510. The Gnus took their lead from Norma Street who was the top female scorer with 533.

Bobby Todd shot a 224 game and finished the evening with 547, Ra McCormack tied Beal for runner up honors and Joe Bennett fired a 540 count.

The other half of the McCormack duo, Reba, turned in a 511 total to be the second high scorer among the women.

a trio from the Buckhorns. Julian Williams was the high three game scorer for the evening with a 539 and Mrs. Kidd used her big game in putting together a 493.

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Ken Bell Leads Upsurge In AMC

Scoring was on the upswing in the AMC Bowling League last week, but as far as two of the quintets are concerned, the difference in the end result was hardly noticeable.

On one side of the ledger the Bombers kept their loss column clean by sweeping the Rejectors while the Spartans are more convinced than ever that being close only counts in horseshoes.

In six games the Spartans are still looking for their first win although they have been within a very few pins of winning each time. The six losses have been inflicted by a total of 41 pins with 12 pins being the largest margin.

The blank doled out by the Metro Cals was especially painful to Jack Vickers, the Spartan captain, who turned in a 580 effort on games of 193, 190 and 197. Jim Brewer topped the Metro Cal attack with 537.

A two-pin margin also deprived Vickers of individual honors for the week when Ken Bell chopped down 582 sticks, including a closing 235, as the Avengers took three from the Bandits.

Tom Smith turned in a 545 to lead the Bombers to their sweep with a 2967 total count while Frank Brown was hitting a 538 for the losing Rejectors.

The Lancers took all from the Wonnors, the All-Sports blanked the Alley Cats and the Travellers swept the Voyagers. The Sprinters won a trio from the Raiders and the T-Birds lost only one to the Tigers.

Tow Target Contract Goes To Hayes

Hayes International Corporation, a subsidiary of City Investing Company of New York, has been awarded an \$808,481 contract by the U. S. Army Missile Command. This award covers the fabrication of TA-8 Tow targets which were designed and developed by Hayes personnel at its Birmingham facility.

These targets consist of two separate versions, one with radar augmentation for Hawk type ground to air missile and the other with infra-red source augmentation for heat-seeking Redeye type ground to air missiles.

Work under the contract will be performed at the company's Birmingham facility and will continue through February, 1970.

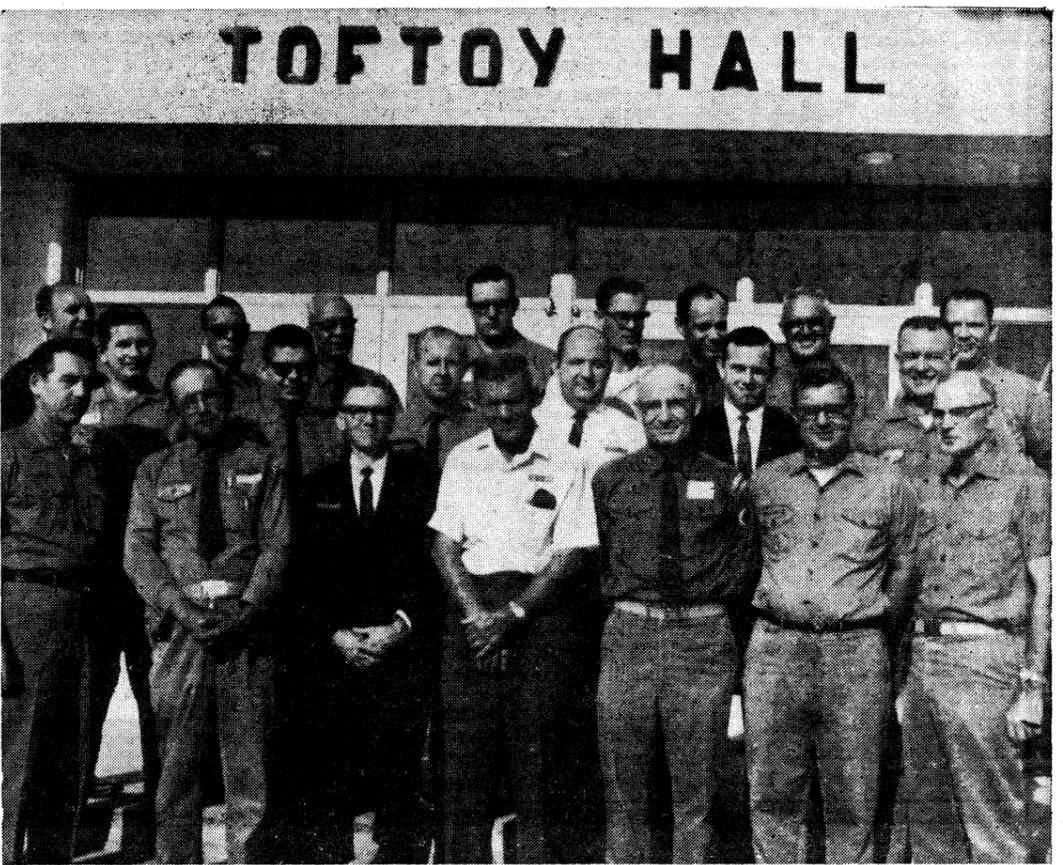
SCOUT LEADERS MEET AT SCHOOL

The Army Missile and Munitions Center and School played host to the Boy Scouts of America here Saturday. The annual commissioners' training session was held by the Tennessee Valley Council of BSA in Toftoy Hall on the huge missile training complex.

Members of the Tennessee Valley Council professional staff presented techniques and procedures of unit administration to all new commissioners in a nine-county area of north Alabama.

Keynote address for the event was "BOY POWER—'76" which is the slogan adapted by the BSA for its project to have one out of every three American boys in the Boy Scouts by the 200th anniversary of the United States' independence.

Coordinating the event was Lt. Col. Matthew R. Thome, commanding officer of Unit Training Command at MMCS who is an active member of the Tennessee Valley Council.



BOY SCOUT LEADERS—Attending the annual commissioners' training of the Boy Scouts at the Tennessee Valley Council meeting Saturday on Redstone Arsenal were: (front row, from left) Charlie Fredrick, Rev. Curtis Kritner, Buford Richey, John Hardeman, Don Frazier, Steve Hagen, Bob Haskins; (middle row, from left) George Doss, Don Norvell, Lelan Perry, Leon Champion, John Savage, Lew Danner; (back row, from left) James Shubert, Lolan Hughes, David Kelley, Bill Robinson, Richard Sherwood, Cauthorn Walker, Joe Sandlin and Lt. Col. Matthew R. Thome.

Industrial Problems To Be Subject At Accountants Meeting

A panel discussion on "Problems Confronting the Industrial Accountant Today" will highlight the September meeting of the Huntsville Chapter of the Federal Government Accountants Association.

The meeting is slated for tomorrow evening at the Ramada Inn in Huntsville. A social hour at 6:30 will open the session with dinner at 7:00.

Reservations for the first meeting of the new year can be made by calling William McGucken at 876-1495.

Volunteers Needed

The Red Cross Bloodmobile will visit Redstone Arsenal twice this month: Sept. 18 and Sept. 27.

The first visit will be at the Old Post Hospital, Bldg. 7110 between 8:30 a.m. and 2:30 p.m. The second visit will be at the Post Service Club between 10 a.m. and 3 p.m.

Volunteers willing to assist may contact Mrs. F. T. Morano, 837-0159 and Volunteer nurses may call Mrs. J. M. Loomis, 881-9582.

Red Cross Volunteers will be trained to work at the U.S. Army Hospital, the clinics and the Red Cross Bloodmobile in a six hour class at the Post Chapel, Social

Room, Sept. 25th.

The course starts at 9 a.m. and everyone is requested to bring a sack lunch. Further information may be obtained from Mrs. H. D. Arrott, 883-2285.

Red Cross Volunteers will meet at the Post Chapel Social Room on Sept. 26, 1968 to pack ditty bags for the servicemen in Vietnam. All

of those willing to help are asked

to be there by 9:30 a.m. For information about this project call Mrs. R. A. Loy, 837-2546.



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Sergeant Spreads Studies Under Bootstrap, Soon Will Earn Coveted Degree

By way of the Army's valuable Degree Completion Program, Master Sgt. Vernon L. DeLong is on his way to a college education. Sgt. DeLong is a senior instructor in the office of doctrine and new materiel at the Missile and Munitions Center and School. He leaves Sept. 13 to attend nearby Athens College to complete final requirements for a degree in business administration.

Commonly known as "Bootstrap," the Army program for obtaining a degree while on active duty provides for full-time temporary duty assignment up to 12 months at any fully accredited institution. Eligible students (governed by Army Regulation 621-5)

can apply to finish work on any degree level—undergraduate, master's or doctorate.

The Army continues his regular pay, but he must meet his own academic expenses, although many men are utilizing the inservice portion of the GI Bill. All information regarding eligibility and application for the program can be obtained from the Army Education Center here (876-2844), where director Paul Fisher and his assistant Mrs. Nellie Sharp have assisted several MMCS personnel in finishing their degrees.

Sgt. DeLong has earned credits toward his bachelor's diploma at Ranger (Tex.) Jr. College, Kansas State University, University of

Maintenance Time Cut When Logic Model Is Used

An easily maintained and reliable system is the aim shared by the Army and the manufacturer of the Chaparral weapon system.

Tests in the Army's Missile Command's Arsenal Support Operations Directorate for the Chaparral Management Office on the Chaparral launching station helped determine the time required to

Alabama at Huntsville, and University of Maryland (Far East). In a 23-year career, he has served overseas in Korea, Hawaii and Okinawa, returning from the latter last year.

Sgt. DeLong, who lives here with his wife Marquita, knows full well the educational opportunities the Army can provide: he also completed his high school education while on active duty in 1946. He will attend Athens College through the 1968-69 term.

diagnose, remove faulty items and place the system in an operating condition.

The demonstration was conducted by soldier and civilian Army technicians who had received new equipment training at the contractors plant. They had been taught a new form of troubleshooting, a technique called logic models which was evaluated simultaneously on the equipment.

Faults were inserted, the test team was asked to make a monthly system checkout and when the fault symptom was identified, a stop watch was set in motion. Timing stopped when the faulty assembly or part was replaced and proper operation verified.

To introduce technicians at the Army Missile Command and the Army Missile and Munitions school to logic models, two representatives of Aeronutronics Division of

Philco-Ford Corporation conducted classes in trouble shooting the system. One of the advantages of a logic model is that it eliminates the need to follow a schematic of the system and can be taught faster than using the schematic.

Because the logic model eliminates reading an intricate schematic and saves time in pinpointing a fault, the maintainability engineers from the manufacturer estimate that two days of study using the logic model method equals a full week of studying schematics.

Lt. Col. Donald H. Steenburn is chief of the Chaparral Management Office. Maintenance training was conducted under the direction of his office in the Maintenance Procedures Branch which Harold Vanderveen heads.

By the time the system is ready for the field, the inherent availability per thousand hours will be thoroughly documented and so will the complete organizational maintenance task and direct support maintenance task—in other words, how often does it need to be inspected and how long will it take to fix if it breaks down.

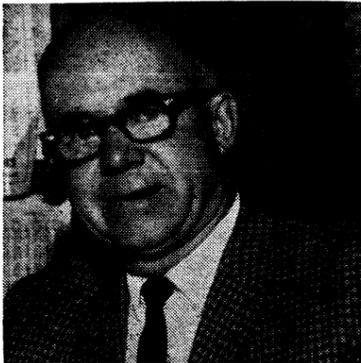
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- 1967 OLDS Delta Custom 88. Air, power, loaded. New tires. Was \$3,495 **IS \$2,980**
- 1968 FORD Galaxie 500. 2 door hardtop, Air, only 6,000 miles. Save \$1,210. off sticker. It's new! Was \$4,130 **IS \$2,920**
- 1966 FORD Fairlane Sedan. Automatic, power steering, 289 V-8. It's a petted car. Only 29,000 miles. Was \$1,595 **IS \$1,380**

- 1967 TRIUMPH Sedan 2000. Automatic. Cost new \$3,200. Excellent condition. Was \$2,495 **IS \$1,780**
- 1967 FIAT 850. Sedan. Only 6,000 miles. Same as new. Was \$1,695 **IS \$1,350**
- 1967 FIAT 850 Sedan. 15,000 miles, Extra clean. Was \$1,595 **IS \$1,240**
- 1967 VW Sedan. Only 16,000 miles. Tape. Like new. Was \$1,695 **IS \$1,495**
- 1967 SUNBEAM. 2 door, slant 4 cyl. engine. Local. Only 16,000 miles. Real economy. Was \$1,395 **IS \$995**
- 1967 DATSUN Station Wagon. Has automatic and big engine. 7,000 miles. New! Was \$2,600 **IS \$1,725**
- 1966 CHEVROLET Bel-Air sedan. Air and power. Fine car. Was \$1,995 **IS \$1,750**
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- 1965 CHEVROLET Impala Coupe. Stick shift, V-8. Black, clean. Was \$1,595 **IS \$1,370**
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- 1964 FALCON Coupe. Futura. '6' cyl. Extra sharp. Save gas. Was \$1,095 **IS \$880**
- 1963 CHEVROLET Sedan. '6' with automatic. "Best in city." Was \$1,195 **IS \$890**
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- 1963 OLDS 98 4 door sedan. Local one owner with air and power. Was \$1,495 **IS \$1,085**
- 1963 FORD Falcon Station Wagon. '6' cyl. Very good. Was \$795 **IS \$590**
- 1963 CORVAIR Coupe. Stick shift. Good condition. Was \$695 **IS \$490**
- 1962 FORD Station Wagon. V-8, automatic, local ladies car. A-1 condition. Was \$895 **IS \$550**
- 1960 METROPOLITAN Coupe. New tires, good condition. Was \$525 **IS \$400**
- 1958 CHRYSLER Sedan. Air conditioned. Good. Was \$295 **IS \$250**
- 1966 VW Bus Station Wagon. Local one owner. Was \$1595 **IS \$1380**

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ZERO DEFECTS Third Anniversary Edition

'Excellence in Performance' Brings Six Special Honors

Six Missile Command employees were honored this month by the Zero Defects Council for outstanding performance.

The employees received the command's highest ZD recognition: the Excellence in Performance award.

For pictures of past EIP winners see pages two, three and four of this supplement.

The winners, who will receive a two-day tour of a missile contractor's plant, are: Thomas H. Melton, Carrie R. Henson, Flossie A. Hanners, Kenneth A. Johnson, Lem L. Fanning and Tate A. Tacon.

Thomas H. Melton, a technical equipment illustrator in the Metrology and Calibration Center, prepared 650 pieces of board art between June 1967 and August 1968. These pieces contained a potential 6,500 errors but Melton made only six minor errors, or an accuracy rate of 99.9 per cent.

Three hundred and twenty-five man-hours were allowed for the correction of errors on these projects, but only three were needed—a saving of 322 man-hours.

Carrie R. Henson, a key punch operator in the Metrology and Calibration Center, processed and keypunched 50,295 IBM cards in the period between October 1967 and August 1968. Each card contains 17 blocks of information to be cross-referenced for accuracy prior to actual keypunching.

With 855,015 potential errors, Mrs. Henson committed only 281, for an accuracy rating of 99.97 per cent.

Flossie A. Hanners, an accounting technician in the Finance and Accounting Center, is required to review disbursement and collection vouchers processed by the Finance and Accounting Officer and to insure that the proper accounting classification is cited.

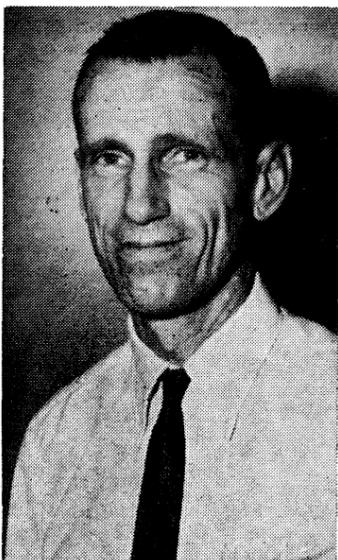
Between January and July 1968 she processed 46,800 vouchers with only 3 errors in accounting classifications.

Kenneth A. Johnson is a computer specialist in the Control Office of the Directorate of Arsenal Support Operations. Between November 1967 and July 1968 he modified and systems tested thirteen separate computer programs required to implement Department of the Army and Army Materiel Command directives through the Post Supply Data Processing System.

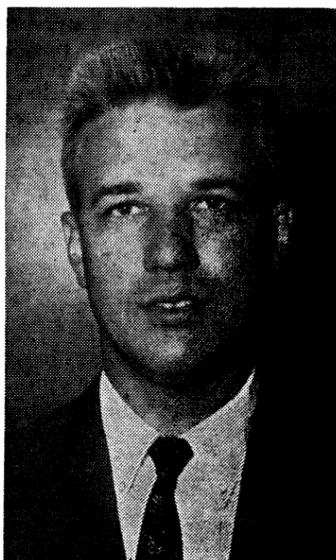
These modifications, consisting of 650 major programming steps and affecting approximately 500,000 records, were accomplished without error.

Lem L. Fanning, a supervisory equipment specialist in the Nike-Hercules Project Office, managed the analysis and processing of a total of 112 reports that comprised 92 cases of Equipment Improvement Recommendations between March 1967 and August 1968.

Prior to this period, over 35



TATE A. TACON



KENNETH A. JOHNSON



THOMAS H. MELTON



CARRIE R. HENSON



LEM L. FANNING



FLOSSIE A. HANNERS

per cent of all Equipment Improvement Recommendations were carried over to future months. By March 1968 he had completely eliminated the carry-over.

Tate A. Tacon is a supply liaison representative in the Stock Control Division of the Supply and Maintenance Directorate.

Between January and August 1968 he developed procedures for solving problems associated with

inadequate supply status identification, loss in man-days and computer-hours at the National Inventory Control Point level and redundant procurement actions.

He identified errors in initial processing and follow-up and prepared feasible courses of action to correct the deficiencies. His recommendations resulted in a saving of 340 man-hours and 10 computer-hours per month.

Maj. Gen. Eifler Proud Of Zero Defects Work

To All Missile Command Personnel:

Every employee should share with me the great pride that accompanies recognition of this third anniversary of our Zero Defects Program.

In 1965 I participated in the initial Army Missile Command Zero Defects kick-off as Deputy Commanding General. I was impressed at that time with the potential benefit ZD offered. My subsequent 18-month tour in Vietnam demonstrated to me the importance of this program. In Vietnam we were continually testing the reputation of the Army Materiel Command in terms of the single most important standard—the quality and reliability of delivered materiel. My experience there reemphasized the role of individual performance in determining success or failure. The product is only as good as the team that produces it, and that team is no better than its individual members.

In the past year we have made some progress in establishing quantified goals—so much in so much time. We have concentrated on work accuracy and developed some techniques for measuring improvement. We need to work at this task of setting goals and measuring progress until every office and project can assess its contribution toward the ultimate goal of Zero Defects. The Zero Defects Workshops being conducted within our major organizational elements should provide an excellent opportunity for the evolution of meaningful goals. Our overall objective must be the elimination of errors in the technical, administrative and clerical work we do.

I know that continued improvement is a difficult task, but this is an unusually able organization. I have no doubt that we can meet this challenge. It requires only that every single employee do his job right the first time.

CHARLES W. EIFLER
Major General, USA
Commanding

Zero Defects Program Here Celebrates Third Birthday

This week marks the third birthday of one of the Missile Command's most important programs—Zero Defects.

Basically Zero Defects is a program designed to encourage each employee to do his job right the first time and to remind him that his job is important to the total effort of his company or department.

More than 1,000 defense industries employing more than 2 million people have now adopted the Defense Department endorsed program which has probably saved the American taxpayers millions of dollars.

The ZD program at Redstone was kicked off three years ago with a giant rally at Milton Frank Stadium—the first and only time all non-emergency employees of the Missile Command have been together for one program.

Perhaps the most dramatic speaker at the assembly was Army Capt. Roger Donlon, the first soldier to win the Medal of Honor during the Vietnam War. He described how defect free equipment allowed his small force

to beat back and defeat a massive night attack by the Viet Cong.

When Capt. Donlon's unit was attacked he gave his communications sergeant the first of what he thought would be a series of continuing messages to higher headquarters. As it turned out, however, Capt. Donlon had only one minute to get word of the attack out on the radio, and then the radio shack and equipment were destroyed by a direct hit.

He reminded the Missile Command employees that if there had been any difficulty in getting his radio equipment to work, his unit might have been defeated.

Since that assembly thousands of MICOM employees have put the principles of Zero Defects into actual practice in their day-to-day work.

Some of these individuals are recognized in these pages, but this special section of "The Redstone Rocket" is really dedicated to the many employees who have done their jobs a little bit better but have never been recognized. Without these individuals the words "Zero Defects" mean little.

Does Zero Defects Work? Ask People Who Use It

Does Zero Defects work?

A few people seem to think ZD is a waste of time, a bureaucratic boondoggle. But then there were those who told Wilbur and Orville it would never get off the ground.

Perhaps the best answer to the question comes from private industry.

Litton Industries, one of the nation's largest diversified companies, reports that in the first year of its program the company saved \$1 million.

An RCA executive said recently, "As a result of such company-sponsored programs, during the period from January 1, 1959, to June 30, 1964, RCA was able to report savings to the United States Government of more than \$170 million in its government contracts — \$39.7 million in 1963 alone."

These companies are in business to make money. They are not likely to adopt and continue a program unless real dollar savings are involved.

But can this same type of saving be achieved in a management organization such as the Missile Command?

The answer to that is a resounding, Yes!

Hundreds of dramatic examples of savings have been recorded here since the ZD program began. For example:

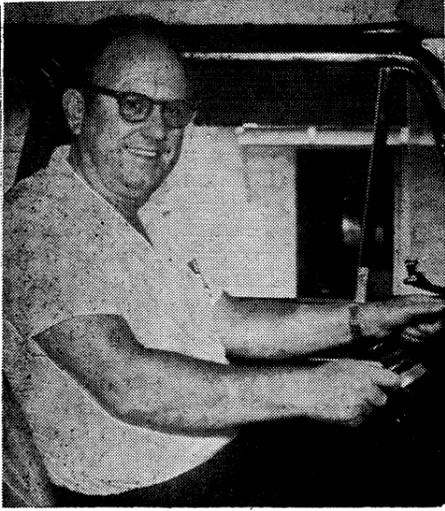
An Army Specialist E-4 responsible for preparing physical records in the Army Hospital reduced the number of records returned due to incomplete or inaccurate information from approximately 50 per cent to one for a one-year period.

One Missile Command employee processed more than 1,200 accounting documents with an error rate of only .004 per cent.

Another employee prepared monthly reports—each consisting of 19 typewritten pages—for a year without a single error.

Each of these employees saved the government and the taxpayer money—cold, hard cash.

Past EIP Winners Do



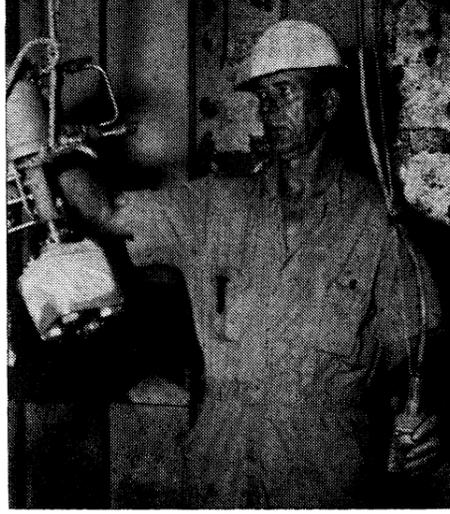
RICHARD MARTIN

Richard Martin is an employee of the Directorate of Arsenal Support Operations. He has driven an Arsenal bus transporting dependent children to and from schools in the local area for the last 16 years. It is estimated that he has covered in excess of 300,000 miles during this time without a single accident of any kind. He received his EIP award in May, 1968.



DORA L. HEWLETT

Dora L. Hewlett is an employee of the Patent Center, Directorate of Arsenal Support Operations. She typed an average of 9¼ patent applications per month compared to a standard requirement of seven. In the six months prior to her EIP award in September, 1966, she typed patent applications with no errors.



MELVIN U. LAM

Working as a crane operator for the Research and Development Directorate, Melvin Lam handles loaded missile motors under extremely precarious conditions. In the more than 400 movements of motors during a six-month period, Lam never had damage to the motors, test stands or instrumentation, nor has he had mechanical failure to his equipment. He received his EIP award in May, 1967.



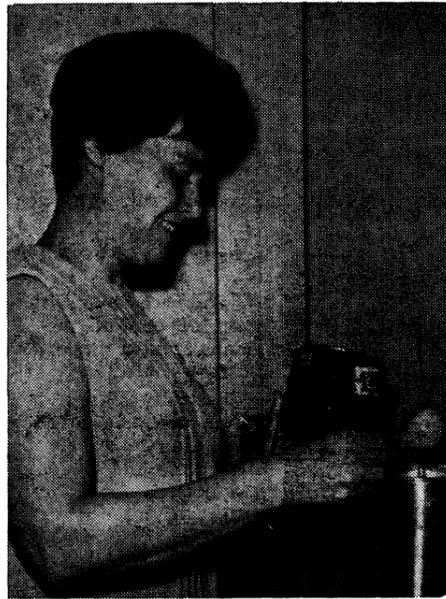
DORIS T. PRIVETT

Doris Privett, an employee of the Procurement and Production Directorate, processed 1,836 travel orders over a ten-month period with only three per cent errors resulting in a significant improvement in the effective management of the P & P Directorate's travel operations. She was recognized for her work in September, 1966.



SFC LARRY SHEPPARD

SFC Larry Sheppard, former non-commissioned officer in charge of the Nursing Section at the Post Hospital, was credited with devising a system for maintaining time and attendance cards for civilian nursing personnel that reduced the error incidence from 15 per cent to less than one per cent. In recommending him for the award, Maj. Georgia Hasler, who was chief nurse at the time, said Sgt. Sheppard displayed an intense interest and loyalty to all patient care areas both on and off duty. He received his EIP award in May, 1968.



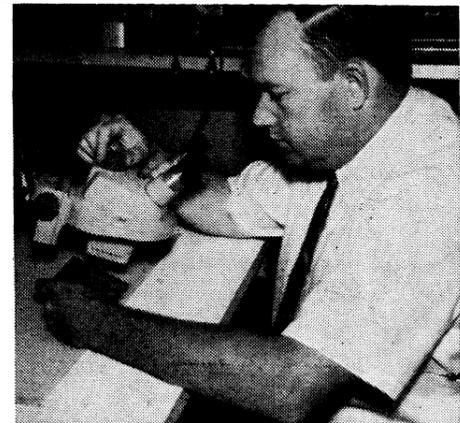
HELEN MADEWELL

A program analyst in the Technical Programs Control Office, Research and Development Directorate, Helen Madewell reviews and processes all work authorizations associated with the directorate's in-house work assignments. In less than a year she processed approximately 800 task assignments, or 2,000 documents with an error rate of less than one per cent. She received her EIP award in May, 1968.



LAURA L. CHANDLER

Laura Chandler, a card punch operator in the Production and Procurement Directorate, was recognized for cutting a normal error rate almost two thirds while greatly increasing her work capacity. She has verified an average of 225 EAM cards per hour as compared to the generally accepted 145 cards per hour, while, at the same time, keeping her average monthly error rate down to .15 per cent compared to the normal error rate of about three per cent for this type of operation. She received her EIP award in May, 1967.



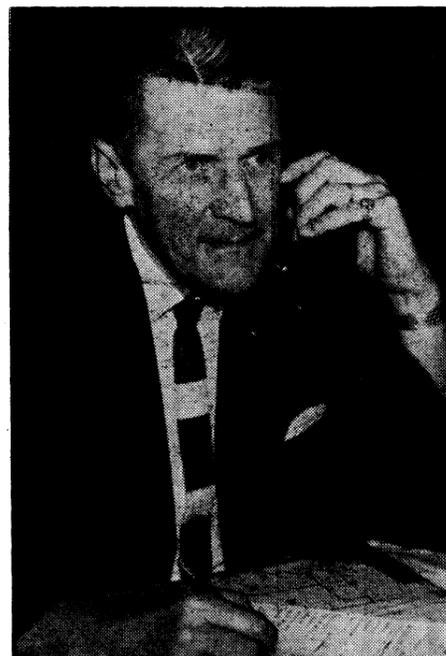
LLOYD WOODHAM

Lloyd Woodham, an employee of the Research and Development Directorate, investigated the causes of a 50 per cent rejection rate on printed circuit boards fabricated in the laboratory and instituted corrective measures reducing the rejection rate to a five per cent level. His award was presented in September 1966.



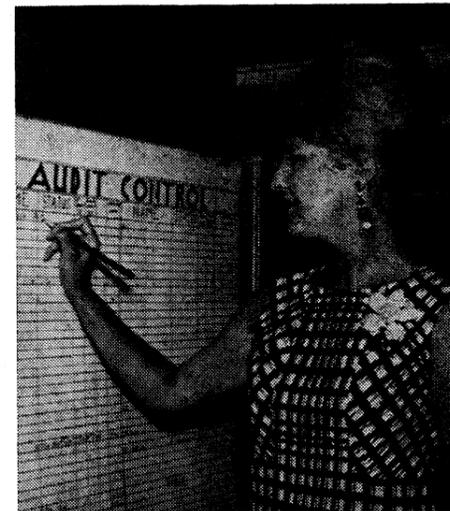
BOBBIE S. BECK

Bobbie Beck was recognized for her work as a clerk typist in the HAWK Project Office between January and July 1967. She handled a large volume of correspondence, telephone communications, filing and classified documents without major error and with sincere interest and personal pride.



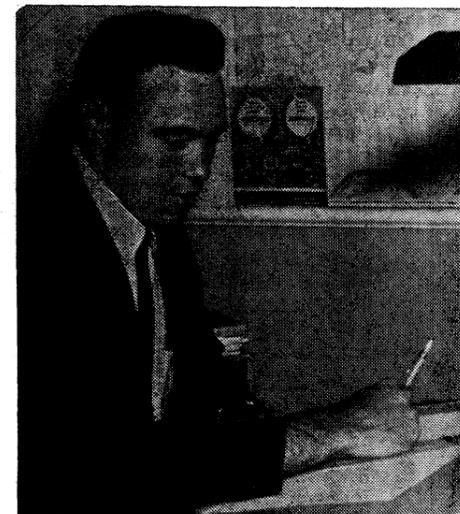
ROBERT ADDAMS

An equipment specialist in the Maintenance Engineering Division, Supply and Maintenance Directorate, Robert Addams monitors the Department of Army Modification Work Orders on tactically deployed Nike Hercules equipment. Over a 10-month period he reported 569 DAMWO's involving 37,570 kits without the need for reinstatement of a single document. He received his award in May, 1968.



BONNIE R. ELKINS

Bonnie Elkins is an accounting assistant in the Finance and Accounting Center, Directorate of Arsenal Support Operations. Between December 1, 1966 and August 31, 1967, she performed final audits of military personnel separated or retiring from service, with a composite error rate of less than one per cent compared to the average error rate of more than 5 per cent.



MARVIN D. THRONEBERRY

In September, 1966, and again in May, 1967, Marvin Throneberry was recognized for error free work in preparation of charts of statistical data used for staff briefings and other requirements. He designed, laid out and prepared more than 160 intricate and involved charts. He works in the Arsenal Support Operations Directorate.

No Longer Here

Three past winners of Excellence in Performance awards no longer work on the Arsenal.

Sam M. Hazelrig, an employee in the Test and Reliability Lab, has been loaned to the Sentinel test site at Kwajalein Island.

Specialist 4 David Torrance, formerly assigned to the Post Hospital, has been transferred to Vietnam.

Thelma Meek, a former employee of the Procurement and Production Directorate, has retired.

Wide Variety of Jobs



SUSANNE WORSHAM INGRAM

Susanne Ingram, a clerk-typist in the Procurement and Production Directorate, was recognized for reducing errors in her work. Based on 236 pages of typewritten pricing reports, cost estimates and correspondence, she maintained an accuracy rate of more than 99.999 per cent. Her EIP award was presented in May, 1967.



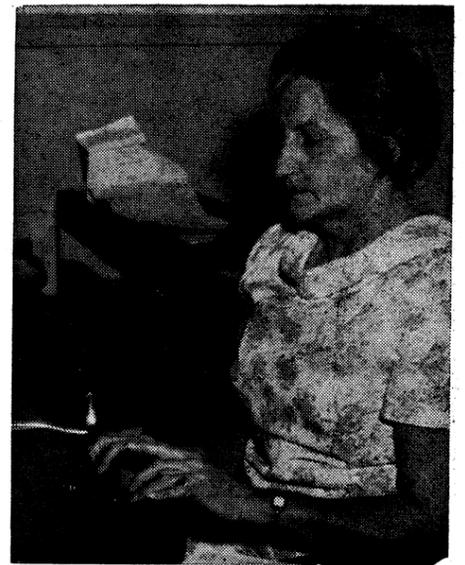
DELORES SIMMS

Delores Simms, a supply cataloger in the Supply and Maintenance Directorate, has compiled a monthly defense supply report for a 12 month period without a single error. In addition, she has been recognized for several suggestions which have resulted in the elimination of potential error-causing conditions. She received her EIP award in May, 1967.



VIVIAN L. OLDHAM

Vivian Oldham, a former employee of the Supply and Maintenance Directorate, edited without error 22 comprehensive calibration procedures which comprised a large number of part numbers, nomenclatures, references and narrative instructions. These procedures significantly contributed to the effectiveness of Army Metrology and Calibration Center teams engaged in field operations. Her EIP award was presented in September, 1966. She has now transferred to the Army Metrology and Calibration Center.



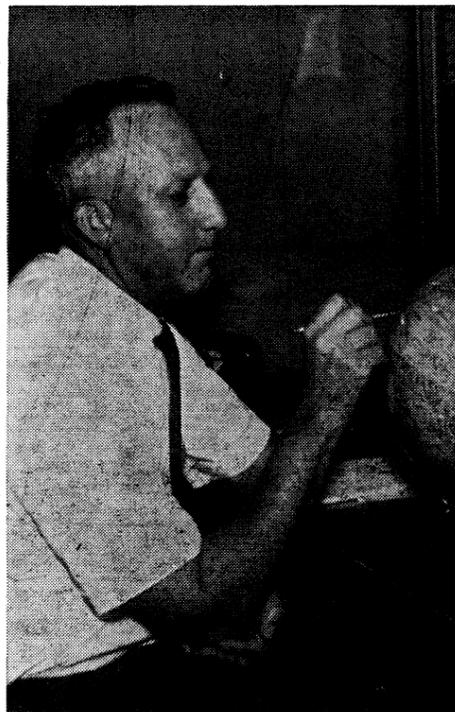
WILLIE R. WALLACE

Willie Wallace is employed in the Consolidated Supply Division, Directorate of Arsenal Support Operations. Between May 11, 1958, and August 10, 1967, she was personally responsible for government funds entrusted to her for small purchases. In 1966, for example, she was responsible for paying 10,851 small purchases totaling \$141,922. Her records are frequently audited and for a nine-year period Mrs. Wallace had no shortages or errors in her accounts. Her award was presented in September 1967.



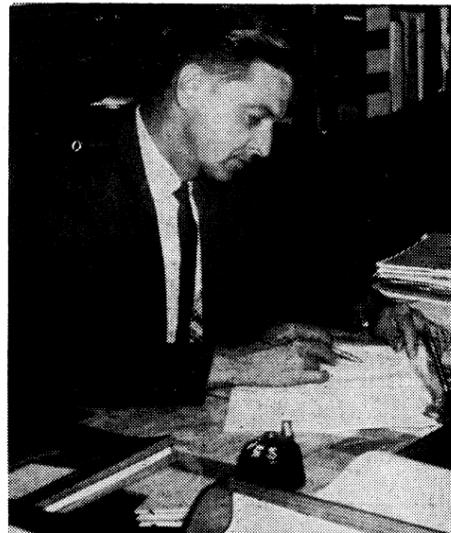
JAMES F. MILLER

James Miller is an electronics technician in the Test and Reliability Evaluation Laboratory, Research and Development Directorate. During the period March 1, 1967, to August 31, 1967, he installed 643 thermocouples on 23 rocket motors in precise locations as required by test plans. All thermocouples functioned properly during the tests. This was a particularly difficult assignment because thermocouples are composed of dissimilar metals and are difficult to weld.



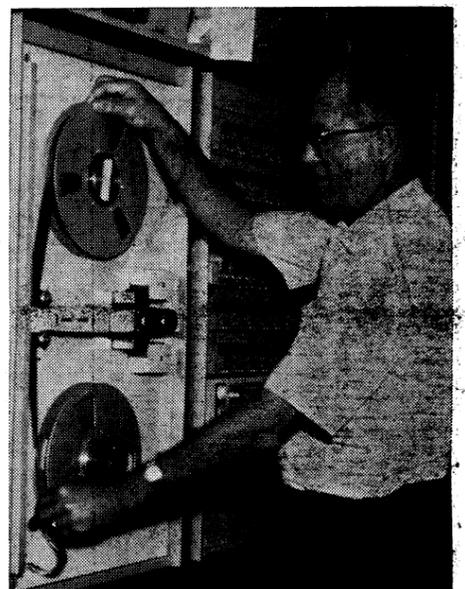
MAURICE Q. BAHAN

Maurice Bahan is a general engineer in the Research and Development Directorate. Between June 1966 and March 1967 he was assigned two high priority, highly classified assignments involving technical as well as administrative effort. Associated with these projects were 60 personnel and approximately 10 high-level presentations requiring 150 viewgraphs. His outstanding accuracy in preparing presentation media and attention to a large number of details were responsible for the unification and success of the very difficult assigned tasks.



RUDOLPH KISS

Rudolph Kiss is an inventory management specialist in the Supply Control Division, Supply and Maintenance Directorate. He was recognized for his participation in a number of supply control studies which have greatly enhanced the Zero Defects program within the National Inventory Control Point. In the year prior to his award, presented in May, 1968, he submitted four Error Cause Removal proposals. Two of the suggestions were adopted in action being taken as suggested and another is presently being reconsidered as a part of the forthcoming study mechanization program.



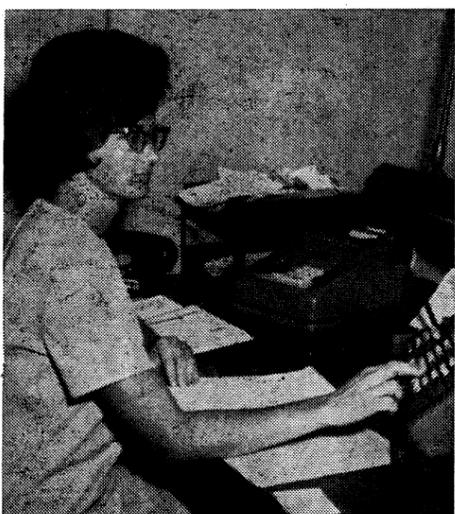
THOMAS L. LOVELADY

Thomas Lovelady is an electronic technician in the Research and Development Directorate. Between March 1, 1967, and August 30, 1967, he processed over 1500 channels of complex telemetry information from a large variety of tests without error. This record of Zero Defects, verified by both contractor and government supervisory engineers, involved both technical variations and schedule pressures and was considered an outstanding individual achievement.



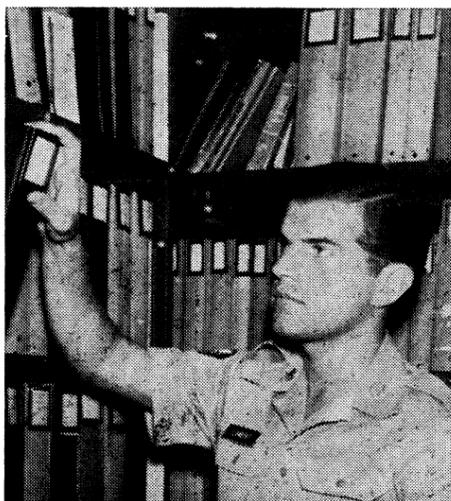
RUBY TRUITT

Ruby Truitt received an EIP award for outstanding performance as the travel clerk for the Hawk Project Office. She has since accepted a position with the Sentinel System Command. As the travel clerk she was responsible for the current and proper preparation of all travel requests, travel orders, reimbursement vouchers and travel arrangements for the personnel of the Project Office. Over the course of a full year there was not a single occasion when her orders, clearance statements, vouchers, or changes had to be returned due to an error on her part. She received her EIP award in May, 1968.



MARY GREENHAW

Mary Greenhaw works for the Consolidated Supply Division, Directorate of Arsenal Support Operations. Her duties involve the taking and transcribing of dictation in the form of letters, memoranda, reports and teletype messages. She is credited by her supervisor with having attained a 99.3 per cent defect free performance in processing some 1,630 transactions. She received her EIP award in May, 1968.



SP4 DAVID P. LAMBERT

Specialist 4 David Lambert is an assistant electrical engineer in the Development Division, Research and Development Directorate. Between December 1, 1966, and August 31, 1967, he was responsible for preparing contractual requirements, monitoring contractual performance, analyzing data and reporting progress. His error analysis was within .01 per cent of overall accuracy as reported independently by the contractor and all schedule deadlines were met.



JERRY WILLIAMS

Jerry Williams, Finance and Accounting Center, Directorate of Arsenal Support Operations, was cited for processing accounting documents through the mechanized accounting system for PEMARS with a high degree of efficiency. During July 1966 he processed more than 1,220 line items with only a four-thousandths per cent error rate.



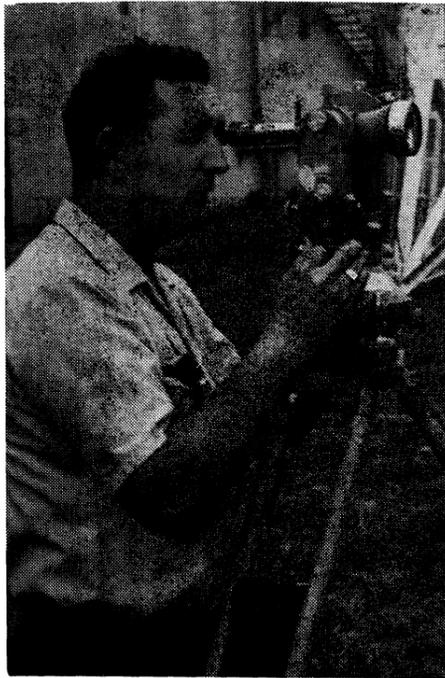
JAMES C. MIMS

Although during the rating period James Mims had only been employed for eight months, and then as a trainee, he performed his duties as an inventory management specialist in the Supply and Maintenance Directorate with the same degree of accuracy required of an experienced employee two grades his senior. All his work was performed without a single error. He received his EIP award in May, 1967.



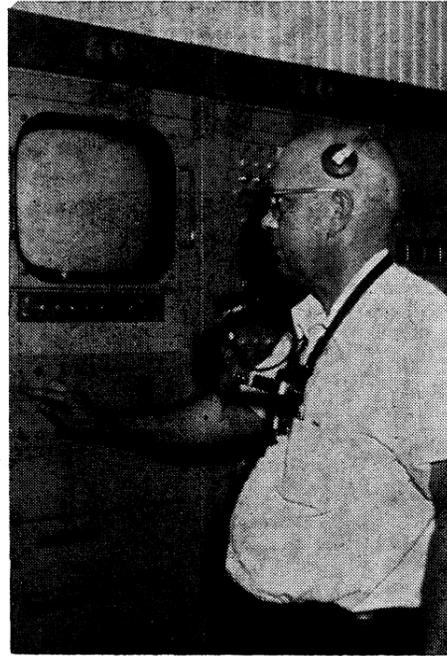
BETTY JEAN PRIDE

A library technician in the Redstone Scientific Information Center, Research and Development Directorate, Betty Jean Pride is responsible for supervising and checking orders for library materials. Approximately 3,000 IBM cards are punched per month in this area and through her direction the error rate in the preparation of order forms has been almost completely eliminated. She received her EIP award in May, 1968.



WILLIAM F. BASS

William Bass is an engineering technician, Research and Development Directorate. Between January 1, and July 1, 1967, he accurately established 672 camera positions, 92 field targets and 11 missile impact areas within very tight range test schedules. He was so accurate in his performance of these surveys that no correction by resurvey or retest was required.



LAWRENCE D. PERRY

Lawrence Perry is employed by the Research and Development Directorate. He operates data acquisition systems and related equipment and was recognized for transmitting by microwave link 49,998,200 data words to the Computation Center with only eight-thousandths of one per cent of the data bits lost in the transmission. He received his EIP award in September, 1966.

Command Helped Develop ZD Idea

The Zero Defects idea began in 1962 as a joint venture between the U.S. Army Missile Command at Redstone Arsenal and the prime contractor for the Pershing Missile System.

At that time most missile manufacturers defined their production standards in terms of "AQL" or Acceptable Quality Levels.

This was simply a mutual recognition by the contractor and customer that missile systems were complicated things and were going to have mistakes in them. As long as the product contained no more than the agreed upon number of mistakes or defects, the

manufacturer would have fulfilled his contract.

Then the Martin Company, Orlando Division, decided to attempt something at that time unique in missile production. It had contracted to deliver the seventh Pershing Artillery Set for Fort Sill, Oklahoma, but rather than deliver it with an Acceptable Quality Level, the company pledged to deliver it totally without defects — with Zero Defects.

After considering the problem, the company decided the only way to accomplish the difficult task was to break it down into its smallest units. If each employee did his job perfectly, then there should be no defects in the final product.

The system was delivered on time without a single defect.

The Army Materiel Command and the Department of Defense were so impressed with the new idea that the Missile Command was asked to present the idea to

other defense contractors and military units.

In June 1964 the Command began a series of nation-wide seminars and workshops designed to spread the Zero Defects idea. A seminar was held on the Arsenal, then a second at Bethesda, Md., for contractors east of the Mississippi. More than 500 representatives of industry and military organizations attended the Bethesda seminar.

A third seminar held at the Naval Training Center, San Diego, Calif., drew another 500 contractors and military representatives from the west coast.

Industry executives were introduced to the idea of ZD at the seminars and then if they were interested in implementing the program they were invited to send representatives to workshops dealing with proven techniques for administering and promoting ZD programs.

More than 2,000 representatives attended the 24 workshops.

The idea began to catch on. The Quality and Reliability Management Office had three different movies produced on Zero Defects and 200 prints of the films were made. In two years all 200 prints of the films were worn out. More than 1,000,000 people saw the films.

Ten thousand kits describing how to promote ZD were prepared and distributed. Letters began to pour in from companies, individuals and even school children who had heard about the program. For two years the Quality and Reliability Management Office answered an average of 38 letters a day asking for information on the Zero Defects program. A representative of the Missile Command traveled to every major Army command in the world and briefed the staff on the ZD idea.



GROVER WHITLEY

Grover Whitley, an employee of the Research and Development Directorate, was recognized for his sustained safe driving record spanning a period of three years. He has covered almost 10,000 miles during this time as a messenger for the Physical Sciences Lab with neither an accident nor a traffic violation. He received his EIP award in May, 1968.

ZD Takes Work All Year Round

A giant rally kicked off the Missile Command's Zero Defects Campaign, but it takes far more than one rally to maintain enthusiasm for a demanding program like ZD for three years.

More than 18,000 posters have been prepared and distributed by the Quality and Reliability Management Office which supports the MICOM Policy Council in administering the ZD program. Most of the posters have been placed on bulletin boards and buses.

Special displays entitled "Know This Man" have been prepared relating the work done at the Arsenal with the soldiers on the battlefield and these have been placed in prominent positions in corridors and lobbies.

Six large signs reading "Zero Defects" have been placed near main Arsenal roads and more than 20 safety billboards display the ZD message whenever the safety signs are being changed.

Parking spaces marked "Reserved for Zero Defects Employee of the Month" have been established so that winners of that award will receive additional recognition.

Workshops to train supervisors in Zero Defects were begun in June. The training consists of five two-hour workshop sessions for all levels of supervision covering the concepts of Zero Defects, the supervisor's role, goal setting and planning, error cause removal, and employee recognition.

Three workshops have already been conducted in the Metrology and Calibration Center, Supply and Maintenance Directorate and the Procurement and Production Directorate.

Workshops for other organizations are currently in the planning stage.



Meet Your Zero Defects Council

The Zero Defects Council is responsible for all aspects of the Missile Command's ZD program. Pictured here (standing left to right) are: William P. Burnett, Supply and Maintenance Directorate; J. J. Fagan, Research and Development Directorate; P. K. Schaeppi, Procurement and Production Directorate; Col. R. A. Atkins, Sr., Arsenal Support Operations Directorate. Seated (left to right) are: A. A. Brackeen, acting secretary for the council, Product Assurance

and Test Management Office; H. R. Lowers, council chairman, Chief Engineer; Lt. Col. P. L. Horne, Jr., Metrology and Calibration Center. Not present for this picture: E. L. Smock, Hercules Project Office; C. A. Pinyerd, Pershing Project Office; W. T. Anderson, council secretary, Product Assurance and Test Management Office.

Twelve Local Scientists To Present Papers At Physical Society Meeting

Twelve scientists and chemists from the Army Missile Command will present papers at a meeting of the Southeastern Section of the American Physical Society on Oct. 9-11 at the University of Georgia, Athens, Ga.

Dr. Thomas G. Miller will present a paper on "Scattering of 3 to 4 Me V Polarized Neutrons by Carbon Using a Diamond Scintillator."

Capt. Donald L. Smith will discuss "Analyzing Power for n-D Scattering at En=1.2 MeV."

PFC Richard L. Craun will speak on "Analysis of Response Data for Organic Scintillators."

Romas A. Shatas will present a paper on "Vibrational Eigenvalue Calculation for Non-Rigid Vibrators."

Dr. David W. Howgate will discuss "An Evaluation of Certain Time-Dependent Thermal Averages."

Dr. Howard J. Foster will analyze "Electron-Impurity Contributions to Ultrasound Absorption in bcc Metals."

Dr. Horst R. Wittmann will present a paper on "The Effect of Temperature on the Spontaneous Radiative Recombination Emission from GaAs p-n Junctions."

Dr. Charles M. Bowden will discuss "Calculation of Intrinsic Strain Broadened Line Shape for a Non-Kramers Doublet."

Dr. R. L. Hartman will present a paper on the Relationship between EPR Line Width and Spin Relaxation Time."

Edward L. Wilkinson or Jefferson S. Bennett will lead a discussion on "Electron Spin-Lattice Relaxation of Oriented Organic Free Radicals."

Ronald W. Mitchell will present a paper entitled "Vibrational Fundamentals of Substituted Diazirines-3-Methyldiazirine."

Dr. Thomas G. Roberts will read a paper on "Stabilization of a Curved Guiding Plasma for Beams of Relativistic Electrons."

Charles M. Cason will discuss "Langmuir Probe Measurements in a N₂-CO₂-He Laser."

Dr. Bernard Steverding will give a paper on "Theoretical Strength and Dynamic Loading."

Dr. Arthur H. Werkheiser will



THIRD ARMY ADVISORS VISIT—Leading citizens of several communities in Mississippi, Alabama and Tennessee who were recently named by Lt. Gen. J. L. Throckmorton as Civilian Advisors to the Commanding General of the Third U.S. Army are shown as they met for the first time at the Missile and Munitions Center and School. Left to right are Frank V. Ragsdale of Memphis; Creed F. Bates of Chattanooga; Dean Harold C. Warner of the University of Tennessee Law College at Knoxville; J. Rufus Bealle of the University of Alabama at Tuscaloosa; Dr. E. B. Norton, President of Florence State College; Maj. Gen. C. W. Eifler, commanding general of the Army Missile Command; Otis W. Allen, Greenwood, Miss.; General Throckmorton; Riley M. Jones of Dyersburg, Tenn.; retired Maj. Gen. A. Lacy Price of Jackson, Tenn.; W. L. Halsey of Huntsville; Col. C. W. Dauge, Jr., of Gadsden; retired Brig. Gen. Edward M. Friend, Jr., of Birmingham; and Col. Paul B. Schuppener, commandant of the Missile and Munitions Center and School and host for the occasion. The group provides Gen. Throckmorton with counsel on matters affecting the largest of the five elements of the U.S. Continental Army Command.

Military Engineers Plan New Officer Installation

Members of the Society of American Military Engineers will install their officers for the new season and hear a talk on the TVA when they meet at the Officers Open Mess tomorrow evening.

The guest speaker for the September meeting of the Huntsville

Post will be Alvin B. Phillips, Assistant Manager of the TVA's Office of Agriculture and Chemical Development at Muscle Shoals. Mr. Phillips will speak on "TVA's National Development Center: its role in defense and in the war on hunger."

Col. Robert W. McBride will head the new slate of officers who will be installed during the meeting. Col. McBride is the assistant engineer for the Huntsville Division, Corps of Engineers.

Freeman Lee, of the Missile

Command, will assume his role as vice-president, with Maj. Freeman Cross, SENSOCOM, taking over as secretary, and Capt. James Taubott, a reserve officer who is with Huntsville Utilities, becoming the new treasurer.

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Sentinel Logistics Staff Prepares Ground Work For Forceful Organization

Spurred by the challenges that face them, members of Brig. Gen. Mahlon E. Gates' staff at the Army Sentinel Logistics Command are up to their elbows in hard work.

They're building a forceful organization to support the Army's Sentinel, the Chinese-oriented anti-ballistic missile system.

Among the key civilians in the various Directorates and Offices are Robert W. Griffin, chief of the Logistics Data Management Office; Samuel C. Vaughn, of the Management Systems Data Automation Directorate; and Neal E. Roberts, the deputy in the Directorate of Maintenance.

25 productive years in government service, heads the group which combines standardization, cataloging and technical data for Sentinel in one office.

He plans to use advanced Automatic Data Processing methods in speeding the job of keeping pace with fast breaking developments as Sentinel becomes operational.

Ten years ago, Griffin joined the Field Service staff in the Army Ballistic Missile Agency at Redstone where he worked in the cataloging and publications area. Later, as ABMA was absorbed into the Army Missile Command, he was in the Supply and Maintenance Directorate.

He came on board with SENLOG early in July serving in the Washington, D.C. area pending the Command's move to Huntsville in late August.

His career began with a Navy gun factory in 1942, then he spent three years of active duty in the Navy. He went back to his Navy job in the Washington, D.C. area. His organization later moved to Mechanicsburg, Penna. He came to Redstone from the U.S. Naval Ordnance Supply Office.

Griffin is from Fitzgerald, Ga. Since completing high school there, he has studied at Columbia Tech, Washington, D.C.; Pennsylvania State University; and the University of Alabama in Huntsville.

He and Mrs. Griffin have a daughter, Martha Cynthia.

Vaughn is a native Alabamian who has finally returned to his state. His family moved to Philadelphia, Penna., from Dallas County, when he was quite young. He



ROBERT W. GRIFFIN

received his education there, earning a bachelor's degree in business administration at Temple University in 1952.

Vaughn is a supervisory computer specialist. He is developing the master plan for use of ADP throughout SENLOG. His emphasis at the moment is on gathering the most skilled professionals available for the ADP operation. The most advanced technique and practices will be utilized by SENLOG to give Sentinel the best possible support, he explained.

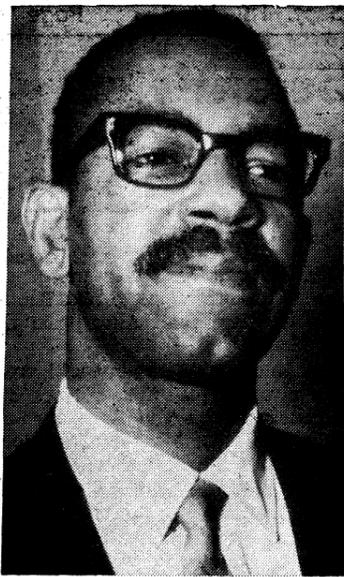
He was previously employed by the U.S. Army Electronics Command in Philadelphia over a span of 17 years. He started working for the government while he was attending college. He is a member of Kappa Alpha Psi social fraternity.

Vaughn and his family have moved to Huntsville. He and Mrs. Vaughn have three children, Sandra June, 15, Samuel C., Jr., 13, and David N., 6.

An old hand at maintenance, Neal E. Roberts, is Col. James E. Prewett's deputy and is assisting him in establishing the Directorate of Maintenance at SENLOG.

Roberts was the deputy chief of the National Maintenance Point in the Missile Command's Supply and Maintenance Directorate until he transferred to SENLOG.

He is from Red Wing, Minn.,



SAMUEL C. VAUGHN

and was graduated from Central High there.

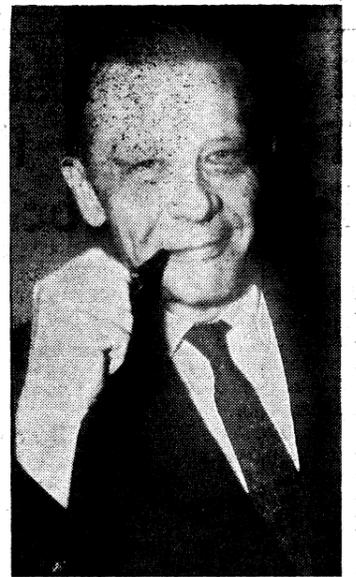
His major college subjects were chemistry and physics at St. Olaf in Northfield, Minn., where he earned his degree in 1940. The following year he did advanced study in physical and organic chemistry at the University of Minnesota. Durig this time he took a government examination to qualify as a junior chemist. This led to his being sent to school for training as an ammunition inspector.

"I went to work for the Army thinking I'd go back to college later, and I'm still working and thinking the same thing," he said.

His first ammunition inspection assignment was at Savanna Ordnance Depot, Ill. He then spent five years in Flagstaff, Ariz. as chief of Ammunition Surveillance and Inspection at the Navajo Ordnance Depot. His next move was to the Blue Grass Ordnance Depot in Kentucky in the same position. From 1950 until 1953 he was chief of Ammunition Activities at Headquarters, U.S. Army Europe in Hiedelberg, Germany.

He returned from overseas to work at Redstone.

Roberts is a board member of



NEAL E. ROBERTS

the Huntsville Community Chorus. He and Mrs. Roberts have two sons, Gary, 23, and Jeffrey, 17, and a daughter, Noel, 20.

Stafford Wins Championship Golf Flight

Winner of the Ginna Medaris Tournament at the Arsenal Golf Course last week was Loy Stafford with May Levaas taking the consolation prize in the championship flight.

The Medaris Tournament, sponsored by the Redstone Officers Wives Club among members of the Golf Group, is 54 holes of match play.

Betty Lou Ivy won the first flight with the consolation going to Bert Brown and Edna Hodges was tops in the second flight with Linda Edwards receiving consolation.

The three winners will play off today with 18 holes of medal play with handicaps.

Prizes will be awarded at lunch Oct. 2.

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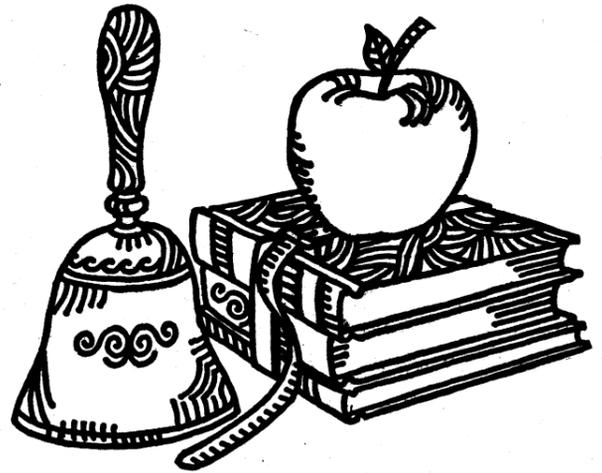
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300	55.09	29.87	21.54	17.42

Above payments include principal and interest. Life Insurance is available at group rate on loans above \$100. Loans up to \$300 under state supervision.

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	12 payments	24 payments	36 payments
\$500	\$46.81	\$24.73	
700	64.92	34.30	
1000	92.30	48.76	\$40.05
1500	137.80	72.80	59.80
2000	181.96	96.13	78.96

Payments above include principal and loan charges if repaid according to schedule, but do not include life and disability insurance, available at group rates.

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NAMES IN THE NEWS
by SP5 *Mike McKenzie*



SGT. DUKES was 1st Sgt. Harlow, while SFC Harry P. James—an instructor in Missile Branch—earned the Army Commendation Medal.

A certificate of achievement recipient was Master Sgt. Taylor Murray, Jr., chief instructor in Track Branch.

SP4 Richard A. Scabich of Co. B, an instructor in Radar and Transistor Branch was cited by Col. Mac Hendricks of Arsenal Support Operations as Post Soldier of the Month (see story elsewhere). SP4 Roy E. Nolls, instructor in Pershing Division, is battalion Soldier of the Month. Tops for August was Co. B, commanded by Capt. George R. Huffman.

In 2nd Battalion, the Air Medal was awarded to Lt. Dell. A special trophy for top participation in the blood donor program was won by 1st ETC, which was under Lt. Dell's command last month. Reigning honor company is 4th ETC, earned in the first month of leadership by Lt. Meredith T. Tomlinson. Soldier of the Month is PFC Dennis J. Applehons of 5th ETC, a student in the Nike missile repair course.

An Air Medal with valor device was also in order at 3rd Battalion.



LT. J. R. COOL — LT. KENNETH DELL

From the "better-late-than-never dept." The assignment of Lt. Col. Hubert R. Jones is announced as director of Officer Training Department (OTD). He took over



LT. COL. H. R. JONES

McCormick of the 522nd Ordnance Company. Receiving the Army Commendation Medal were Lt. Col. Arnold; Lt. Donald S. Kern, instructor in Munitions Division; retired Master Sgt. Delbert E. Rawhouser (1st oak leaf cluster), instructor in Nike Division; and retired Sgt. 1st Class Donald H. Reynolds, Air Defense Department.

A civilian Vietnam medal was earned by Glenn Carter, a computer systems analyst in Comptroller. Gaining outstanding performance ratings were Andy Anderson, photographer in Photo Branch; Wanda Curtis, secretary in Land Combat Department; Bettye Robinson, secretary in New Materiel Division; and James Lowe, Leslie Worden, and Harvey Adams—all of Technical Research Branch.

Pinned for 10 years of service were James Lee of Technical Research Branch, and Georgia Shelton of Mail Distribution and Postal Branch.

A dozen other military men, plus the honor companies, gained recognition at separate gatherings of the three battalions.

Three more lieutenant colonels have reported to new posts, including one involved in a realignment at Doctrine and New Materiel. Lt. Col. Robert D. Funke has become chief of the Office of D&NM, as Lt. Col. Duane Hardy shifts back into the head slot of New Materiel Division and Lt. Col. William Nichols takes over Technical Research Branch.

Elsewhere, Lt. Col. Henry R. Arnold relieves Vietnam-bound Maj. Albert Hayes as chief of Logistics Division in OTD, and Lt. Col. Hoyt M. Hammer is new chief of Nike Division at Air Defense Department.

Four units of School Brigade underwent switches in the front office last week, with one change of command. Lt. John R. Cool replaced Lt. Kenneth Dell as CO of the 1st Enlisted Training Company. Lt. Cool served at 3rd Battalion for a month after returning from duty with the 8th Cavalry in Vietnam. Lt. Dell is now instructing in storage branch of the Ammunition Department.

At three companies, the first sergeant's desk is manned by a new "Top." At 2nd ETC, 1st Sgt. Howard Huff relieves 1st. Sgt.



SGT. HARLOW

Harry Ballard, who is headed for Alaska. 1st. Sgt. Robert A. Harlow moves into the 3rd ETC for 1st Sgt. Henry Smith, who is going for his third year in Vietnam, and taking 1st. Sgt. Harlow's slot at Company B is 1st. Sgt. Waller E. Dukes.

Awards flowed fast and furious throughout the week at four different ceremonies. Fifteen people were in line for citations from the commandant, Col. Paul B. Schupener.

The Bronze Star Medal was presented to Capt. William C. Moore, chief of administration and operations in OTD, and Lt. Arley H.

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MMCS Wives Set Sept. 24 'Welcome'

The Missile and Munitions Center and School Officers Wives Club will hold their welcome coffee at 10:00 a.m. on Sept. 24 in the Redstone Arsenal Officers Open Mess Ballroom.

Representing the various staff sections of MMCS the hostesses for this coffee are: Mrs. H. B. Dunn Jr., Office of Operations, Mrs. N. L. Holland, Directorate of Individual Training, and Mrs. M. K. Marsh, nonresident Instruction Department.

The ladies attending the coffee are requested to please bring their own name tags.

Mrs. S. R. Conary, 837-5919, will accept reservations until noon on Sept. 20 and cancellations until noon on Sept. 23.



FARM BUREAU VISITORS—A demonstration of advanced training techniques used at the Army Missile and Munitions Center and School is given to leaders of the American Farm Bureau Federation by instructors of the Officer Training Department. Directors of the Bureau from every state attended the presentation. Shown here are (left to right) Lt. Robert P. Carey, instructor; Charles B. Shuman of Chicago, national president of the AFBF; James D. Hayes, president of the Alabama Federation; and CWO Paul S. Hudson, explaining the Sergeant missile system.

Griner Re-Elected AFGE President

LAS VEGAS, Nev. — John F. Griner was re-elected president of the American Federation of Government Employees at the union's

national convention held here last week.

Also returned to office for another term were Clyde M. Webber, executive vice president, and Mrs. Esther F. Johnson, secretary-treasurer.

In winning another term as Pres-

ident, Griner successfully turned back a determined challenge by Dennis Garrison, Fifth Region Vice President, from Huntsville, Alabama, and former president of AFGE Lodge 1858 at Redstone Arsenal.

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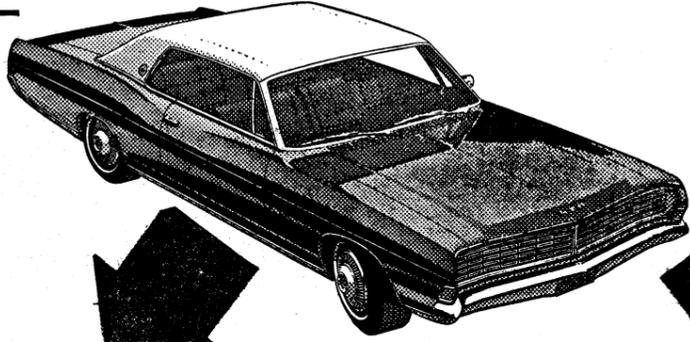
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'67 T-BIRD 2-Dr. Landau

Radio, heater, full power, air cond., vinyl roof. No. TB-37A.

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'67 MUSTANG 2-Dr. Hardtop

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'67 T-BIRD 4-Dr. Hardtop

Radio, heater, auto. trans., power brakes, steering and windows, vinyl roof, air cond. No. LT-37.

\$3775

'67 MUSTANG 2-Dr. Hardtop

Radio, heater, auto. trans. No. F-374-A.

\$2075

'67 VW 2-Dr. Sedan

Heater, 4 speed trans. No. F-305A.

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'67 CAMARO 2-Dr. Hardtop

Radio, heater, str. trans. No. F-979B.

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'66 OLDS 442, 2-Dr. Hardtop

Radio, heater, str. trans., power steering, vinyl roof. No. F-647A.

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'65 FORD 4-Dr. Sedan

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3. Miscellaneous

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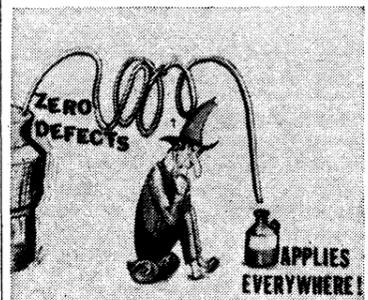
AHAC Leaders Meet At Arsenal

The U.S. Army Missile Command was host Thursday to the Association of Huntsville Area Companies (AHAC) for its September meeting. Maj. Gen. Charles W. Eifler, Commanding General of the Missile Command, welcomed the group to Redstone Arsenal. A brief review of AHAC's activities during the past year was given by Richard Harrison of IBM, after which a detailed discussion of the Association's Community Resources Development Program was led by Ed Billings, director.

The Community Resources Development Program's objectives are to bring in community leaders from elsewhere in Alabama and neighboring states so they may see how AHAC works to bring community resources together to help solve community problems.



UNUSUAL PRESENTATION—Everett C. Lindsey, spoke on "Human Motivation in Connection with the Cost Reduction Program," to more than 800 key Army personnel of the Huntsville area last week during two sessions at Rocket Auditorium. He used costumes, music and a number of other theatrical tricks in getting the cost reduction story across to his audiences.



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SALE NO. 2
Sale No. 2 consists of beautiful Windsor Village Motel with 28 units, a large office with three units above it that can be used for other rooms making it a 30-unit motel or as an apartment for operators of the motel. Windsor Village Motel is of English design and is built of stucco and rock. All 28 rooms are furnished with excellent furniture. The motel has enough linens for 2 1/2 changes. Practically all rooms have television and air conditioning. Here you have every-thing needed for a motel operation except a new owner. There are \$10,000 worth of Windsor Village signs up now on all major highways.
WE WILL OFFER THIS PROPERTY SEPARATELY AND AS A WHOLE: THE HIGHEST PRICE WILL DETERMINE THE SALE. TERMS: If the property sells separately, \$25,000 payable on each tract; balance in equal payments in 10 years at 6% interest. If property sells as a whole, \$50,000 down, balance on or before 10 years at 6% interest.
POSSESSION: Gulf Oil Station lease will be taken over with delivery of deed. Windsor Village Motel, with delivery of deed. For pla/s or brochures, write Keller Realty Co., Box 290, Pulaski.

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DIRECTIONS
SHERBROOKE PARK is located just across the river from Redstone Arsenal. Go over the bridge and take the 1st right, then take the next left and that will take you to Sherbrooke Park. Use map at left.

Maj. Gen. Forbes Named International Logistics Director For Materiel

Gen. Frank S. Besson, Jr., Army Materiel Command (AMC) Commanding General, has named Maj. Gen. Robert C. Forbes as his director of International Logistics. Gen. Forbes, whose office will be at Headquarters, AMC, Washington, D. C., was previously assigned as Assistant Chief of Staff, Personnel, J1, MACV, in Vietnam.

In his new position he will be responsible for AMC policies re-

garding all international logistics programs, including grant aid, military sales, co-production and cooperative logistics.

He is a graduate of the Army War College and holds the Distinguished Service Medal, the Silver Star with oak leaf cluster, Legion of Merit, Bronze Star Medal with two oak leaf clusters, the Air Medal with 13 oak leaf clusters, and the Army Commendation Medal with oak leaf cluster.

Maj. Hammond Tells Grads Measure Man's True Worth

"The ability to judge a man up on his true worth" is the attribute of the well-educated, Maj. Verle B. Hammond told graduates of the Missile and Munitions Center and School last week.

In contrasting a well-educated person with a merely well-trained one, Maj. Hammond offered two tests: the desire to continue learning in new and broader fields, and the ability not to pre-judge an individual on his race, nationality or religion.

"I have learned through personal experience that a man's accent or place of origin does not make an ounce of difference when it comes to character, ability and loyalty," summed up Maj. Hammond.

At the graduation exercise Friday, four men received special recognition from the Association of the U.S. Army for their high grade point averages. From the Hawk missile pulse radar course, Cpl. Michael Mayeau of San Mateo, Calif., and PFC Robert Puckett of Cincinnati, Ohio, received the award. It also went to two members of ammunition records training — Pvt. John Maughan of New York City and Pvt. William McKee of Chillicothe, Ohio.

Presenting the special plaques was Joe Payne, representing the Tennessee Valley Chapter of AUSA.

Other honor students (highest class average) recognized at the



MAJ. VERLE B. HAMMOND

ceremony were Pvt. Thomas Turton of Rochester, N.Y., and Pvt. Robert Rice of Uniondale, N.Y., Nike launcher control; PFC Donald Yost of Canton, Mass., Hawk missile and launcher; Marine Cpl. Joseph Fatur of Cleveland, Ohio, Hawk fire control; and PFC Michael Butts of St. Louis, Mo., missile system apprentice.

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COMPLETE DISPERSAL AUCTION

Sat., Sept. 21 at 10:04 17/100 A.M.

100 HEAD OF ANGUS AND HEREFORD COWS (40 HEAD WITH CALVES BY SIDE, 30 HEAD HEAVY SPRINGERS, SOME OPEN HEIFERS, AND STEERS) LOCATED AT GALAXY FARM ON OLD MILKY WAY FARMS, 8 MILES NORTH OF PULASKI, JUST OFF HIGHWAY 31.

This fine herd of cattle has been built over a period of five years and has been culled each year keeping nothing but the best. The calves have been vaccinated and tested. This is one of the finest herds ever sold under the auction hammer. The reason for selling: Galaxy Farm has been sold and all cattle on the farm must be sold. These cows have been bred to a registered Charolais bull, registered Angus, and registered Hereford bull. They are in excellent flesh and are all young cows—good ages. Some of these cattle are purebred.

IN THIS HERD THERE ARE 40 HEAD OF CATTLE WITH CALVES BY SIDE, THERE ARE 30 HEREFORD AND ANGUS BROOD COWS, HEAVY SPRINGERS THAT WILL CALVE IN THE NEXT 30 TO 60 DAYS; THERE ARE AROUND 15 HEAD OF OPEN HEIFERS AND AROUND 15 HEAD OF STEERS.

If you are looking for replacement cattle be sure to attend the auction sale at Galaxy Farm on September 21. This is one of the finer beef cattle herds in Middle Tennessee. The cattle can be pre-sale inspected any day; there will be someone on the farm every day to show you the cattle. These cattle are all heavy milkers and will give plenty of milk to raise your calves. A lot of these cattle have been raised on Galaxy Farm.

TERMS: CASH.

For Further Information Contact

BOB KELLER

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Bar Association To Install New Officers Tomorrow

The first woman president will be installed by the North Alabama Chapter of the Federal Bar Association at a lunch meeting in the Redstone Officers Open Mess to-

morrow at 11:30 a.m.

She is Jeanne D. Scales, a lawyer in the Legal Council Office at the Army Missile Command.

Other officers to be installed by Hardy B. Jackson, national delegate vice president of the 5th District, are: George Porter, executive vice president; Col. Ervin

Dickson, national delegate vice-president; Arthur Tischer, secretary-treasurer; and John C. Matthews, parliamentarian.

Guest speaker for the first meeting of the 1968-69 season will be Bart Slattery, Public Affairs Office, Marshall Space Flight Center.



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