

The Redstone Rocket

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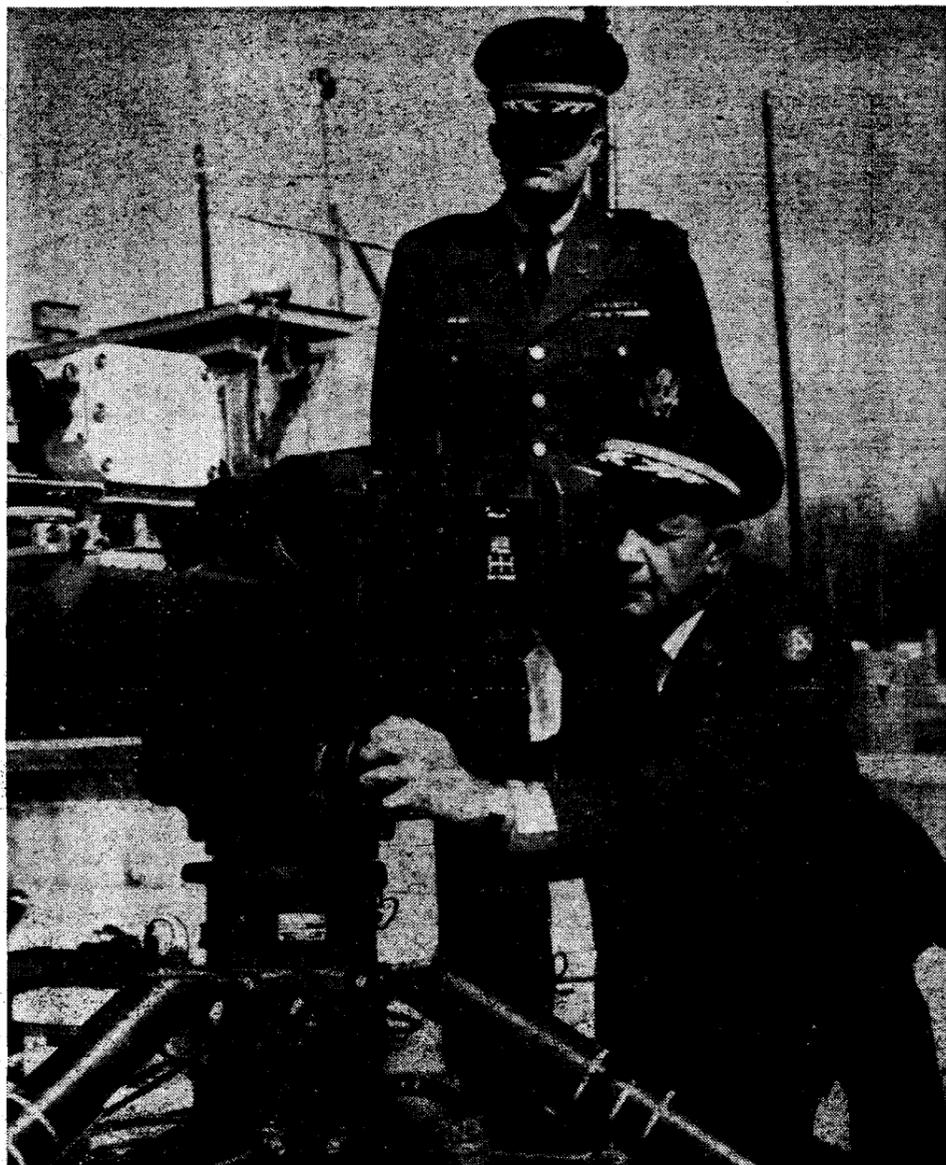
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MARCH 11, 1970

Arsenal-Wide

Spot News

Dial 112



GEN. CONNOR LOOKS AT TOW—Sighting the TOW missile system and getting a briefing on its capabilities is Lt. Gen. A. O. Connor, Commanding General of the Third Army, Fort McPherson, Ga., who was a visitor to Redstone Arsenal last week. Only minutes before, Gen. Connor watched a live firing and saw a TOW gunner score a direct hit. With the General is Lt. Col. Robert W. Huntzinger, TOW Project Manager.

Gen. Connor Addresses 'Dining In' at MMCS

"Youngsters of this day and age are too well-educated and intelligent to accept something without a rational and logical explanation," was one of the main ideas expressed by the commanding general, Third U. S. Army, on Friday evening.

LTG Albert O. Connor addressed the 400 officers and their guests that were present at the Missile and Munitions Center and School's "Dining-In" held at the Redstone Arsenal Officer's Open Mess.

The general pattern of Gen. Connor's speech was concerned with "the impact of the times as it affects our army and what the future holds," and he mentioned a few areas in which definite facts were known.

"The opportunity for leadership is greater than ever," he stated. "But a distinctly different approach is (now) required." To illustrate this point, he went on to say that "the existence of racial tensions demands leadership of a wise, perceptive, and understanding nature. The black soldier is proud of his race . . . we must learn to understand him, to help him overcome his frustrations, and to channel his pride in the right direction."

Gen. Connor also stated that everyone knows of the basic mission of the Army . . . the defense of our nation. He felt, however, that too few people knew that "the Army has had many collateral missions . . . mapping the nation; building roads, canals, and railroads; . . . chartering the Antarctic and one of its newest and least-

known missions — mapping the moon."

But he warned the audience that "we cannot rest on past laurels and must, therefore, take advantage of every technological advance to assure that our equipment, thinking, tactics and training remain modern."

The general also mentioned that a gap did exist between the military and the civilian world, and said that "one of the most significant challenges facing us now is how to insure that the Army has the understanding and support — the confidence and trust — of the American people." He then qualified this by stipulating "the task facing us in this area is frimid- (See GEN. CONNOR on Page 3)

Six Receive Patent Award

Six employees of the Army Missile Command's Research and Engineering Directorate have been awarded checks for work leading to patent awards.

All work in the Army Inertial Guidance and Control Laboratory and Center.

Joe S. Hunter and L. Jack Little were awarded patents for a joint invention of a Compensation Output Solid State Differential Accelerometer.

Gordon D. Welford got one for a Fixed Seeker Guidance Scheme for Proportional Navigation.

William H. Hodges devised a Tuneable Pneumatic Amplifier for his award, J. C. Dunaway for work on a Fluidic Summing Device and J. V. Johnston for work on a Laser Pickoff for Strapdown Gyroscope.

Three Soldier Scientists Plan Laser Experiments

Two young men with masters degrees, one in physics and one in mechanical engineering, and another young man who expects to receive his master's degree in physics this Summer, are among the soldiers in today's Army at the Missile Command.

SP4 Roger T. Cutler and SP4 Henry L. Pratt are physicists and PFC Richard N. Koopman is a mechanical engineer. All are working in the Plasma Physics Branch of the Physical Sciences Labora-

tory in the Missile Command's Research and Engineering Directorate.

They are part of an Army scientific and engineering program for enlisted personnel which places men with advanced degrees in these fields in assignments where they can use their recent education to make technical contributions. In the case of these three, their contribution is to the development and use of high powered (See SCIENTISTS on Page 3)

Cuts Will Affect 1117 Civilians Here



COL. JAMES R. DUNCAN

Col. Duncan Heads SAFSCOM Information

The new Information Officer for the Safeguard System Command in Huntsville, is Col. James R. Duncan. He succeeds Col. Robert J. Bennett.

Col. Duncan entered military service as a Private in 1942 and served in the Asiatic-Pacific Theatre during World War II. He later served overseas tours in Japan, Korea, England, and Germany.

The 48-year-old native of Oil City, Pa. has attended Penn State College, the University of Maryland where he received his BS degree. (See SAFSCOM IO on Page 3)

Redstone personnel learned Friday afternoon that the latest round of Defense Department directed cuts would mean a reduction of 1,117 Army civilian personnel at the U. S. Army Missile Command.

Official confirmation of the action came at 3 p.m., the release time imposed by the Department of Defense. Defense notified Congress of the impending action 48 hours in advance.

In talks to supervisors and in a personal letter distributed to all MICOM civilian and military personnel Maj. Gen. Edwin I. Donley and Brig. Gen. George H. McBride said:

—MICOM has been directed to reduce 1,117 civilian personnel to reach a full time, permanent civilian strength of 7,888 by June 29 1970.

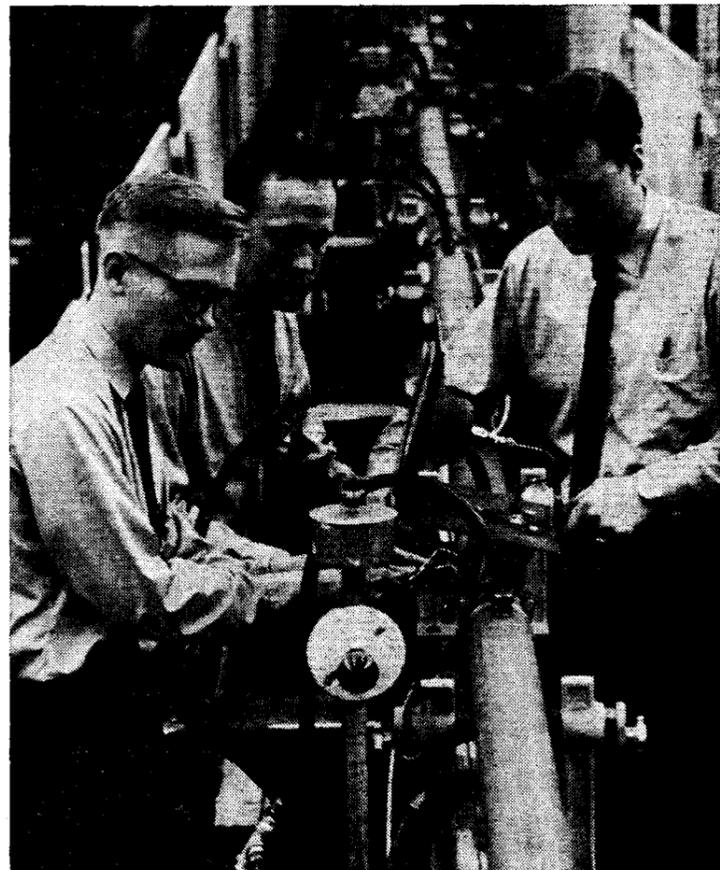
—MICOM has been directed to cut its military strength by 16, leaving approximately 1,040.

In a separate action, the Missile and Munitions Center and School was directed to cut its military strength by 122.

Also announced Friday was an action by the Army/Air Force Exchange Service to eliminate some cafeteria services affecting approximately 45 Exchange civilian employees by transfer, downgrade or separation by June 29.

Earlier last week, MICOM notified Rohm & Haas Company that it would be unable to continue the major contracts which fund the Rohm & Haas Redstone Research Laboratories beyond this year.

In his message to all MICOM personnel, Gen. Donley said the reduction within his command was a part of actions being taken throughout the Army to comply with Defense Department directed economy measures and did not port- (See DEFENSE on Page 3)



YOUNG SCIENTISTS AT WORK—SP4 Roger T. Cutler, SP4 Henry L. Pratt and PFC Richard N. Koopman, left to right, reassemble the Long John Laser after making alignment adjustments on it. The approximately 180 feet long carbon dioxide laser is located in the Plasma Physics Branch of the Physical Sciences Laboratory. The three are assigned in this laboratory of the Missile Command's Research and Engineering 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.

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Rocket Ruminations

I wish that practicing was not so different from preaching.

—John Godfrey Saxe

Suggest! It Pays

Did you realize that all this time that you have been pessimistic about the military, you've been passing up a great opportunity to do something about the situation?

Without looking for it, can you locate the suggestion box closest to you? Have you been passing it by every day, not really conscious of its presence or purpose? If this is the case, then stop neglecting it and start using it to your own advantage.

Although the suggestion program has been in existence for over 25 years, the military man has been benefitting from its presence for only the past five. Prior to this, only civilians employed by the government were eligible for the incentive awards program, so many worthwhile ideas were never brought to light. But now that all government employees receive the benefits of the program, there should not be any reason why beneficial suggestions should go unnoticed and unrewarded.

If the suggestion you submit has money-saving potential, then you stand a good chance of collecting a substantial amount. Your idea does not have to be one that will make the earth shudder. The seemingly inconsequential thought can sometimes save a life, money and/or time. For example, one man thought it was a good idea to have postal service mail boxes installed in the barracks. A minor point, yet it was worth mentioning. Now, barracks personnel no longer have to go outside the building in search for a mailbox.

Whether it is simple or complex, make any suggestions you have formulated pay off. All you have to do is write it out (using DA Form 1025 or plain white paper), putting everything in the correct sequence, and drop it into the nearest incentive awards box. If it proves to be useful, you will be contacted and told so. And, as it happens in almost every case, you may be told where to go to pick up the check that idea has earned for you.

Tradition's Cadence

The turbulent '60s will be remembered for diverse events: the footprint of man on the moon; assassinations of great leaders; the so-called military-industrial complex; A diverse mixture of progress and of disappointment, of high hopes and dim views.

Some of the more important developments of the last decade directly affected the man in uniform. When the protests of citizens edged beyond the realm of peaceful demonstration, the man in uniform was there. When Communist aggressiveness demanded a response, again he was there.

The citizen-soldier was very much a part of the '60s. He participated in space missions; he explored the mysterious ocean depths; and he fought where he had to fight. In short, the man in uniform served as he has always served: with the highest sense of duty and honor.

This is not to say the 'military mind' led him on unthinking, oblivious of the sometimes violent changes around him. Quite the contrary: he sometimes went off in different directions himself, torn internally by a world of nebulous values. But he could, as a last resort, look to his own ideals to set him right; he could hark to his own tradition that through the most tumultuous times has remained constant.

He could, as Admiral John S. McCain Jr., commander in chief, Pacific, recently told all U.S. servicemen of his command, "reaffirm in word and action the values and traditions which have sustained American men in uniform so magnificently for nearly two centuries, reflecting not only the highest sense of honor and justice, but also that sense of compassion, understanding and tolerance which has consistently marked the American commitment."

Admiral McCain took the full measure of our turbulent times and did not shirk mentioning the fallability of men and nations. He struck upon the yardstick by which the military man might judge his direction in the bright new decade ahead when he said, "The measure is less the occasional stumble than how quickly and sharply the common cadence of our heritage is restored . . . Let us get on with our duties." (AFPS)



"NOSE UP, FINS DOWN," says CWO Samuel G. Lewis, alias Mr. Pershing as he demonstrates to Miss Joan Gross the proper angle that the Pershing missile must be in order to launch. CWO Lewis is assigned to the Missile and Munitions Center and School's Officer Training Department as an instructor in Pershing missile maintenance.

CWO Samuel G. Lewis Has Two Nicknames Tacked On

Chief Warrant Officer Samuel G. Lewis, of Weiser, Idaho, alias "Mr. Pershing," an instructor at the Army Missile and Munitions Center and School's Officer Training Department has been associated with the Pershing missile since its introduction into the field in the early 1960s.

He is the oldest Pershing ordnance qualified Field Artillery Maintenance Technician on active duty having been in the field since February 1961.

CWO Lewis could not only hold the title of Mr. Pershing but "Mr. MMCS" as well. He first became acquainted with the school in 1954 when it was called the Ordnance Guided Missile School.

His acquaintance with the Pershing missile began when he was assigned as the Ordnance Project Officer on Pershing at Ft. Sill, Okla. CWO Lewis was a member of the Missile Nuclear Planning Development Committee that planned the systems that would go into the field for use. Later he was one of four military attending the Martin Orlando course on the system and allied equipment.

In 1963 he led the first Pershing maintenance unit that was deployed to Europe after training at Redstone Arsenal.

Since that time his work with

field and was trained at MMCS.

"At that time there was not much here," Mr. Lewis recalled. "The school was housed in the row of buildings where MICOM personnel is now located and a few buildings in 'Skunk Hollow.'"

"My BOQ (Bachelor Officer Quarters) was what is now the Special Services Office," he added.

In 1955, Mr. Lewis coached a team of officers that won the first softball championship at Redstone Arsenal. It was the first form of organized athletics for troops at Redstone.

Any questions relating to the Pershing missile system — either P1 or the P-1A—ask Mr. Pershing. If you want to know what MMCS was like in the old days ask "Mr. MMCS."

They're the same individuals — Chief Warrant Officer Samuel G. Lewis.

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FIRST TOW MISSILE ARRIVES—Preparing for training on the new TOW missile at the Army Missile and Munitions Center and School at Redstone Arsenal, Ala., are (l. to r.) Warrant Officer Elmer J. Theriault, SPA Kenneth A. Snow, Staff Sgt. George J. Nash and SP4 David B. Porter. TOW's name stands for tube-fired, optically guided and wire-controlled. A lightweight weapon, TOW is effective against armored vehicles and a variety of battlefield targets. Formal training on the new weapon is to begin next October.

SCIENTISTS

(Continued From Page 1)

lasers. Laser is a common technical term derived from the acronym LASER, for Light Amplification by the Stimulated Emission of Radiation.

Lasers are extraordinarily intense pencil-beams of monochromatic light that can be generated at many wavelengths. Many lasers operate in the visible spectrum, but these soldiers are primarily working with infrared laser beams which are invisible.

The Army is interested in developing lasers for military applications.

Cutler is designing a high voltage pulsed power supply for a new type of laser which gives high power in the visible spectrum. He also helps conduct experiments using the laboratory's existing infrared lasers.

Koopman is presently designing nozzles for chemical lasers and studying reaction components when various gases and temperatures are used. He is also preparing technical papers for publication which represent an extension of his thesis which was entitled "Solution of Nonlinear Heat Conduction Problems by Orthonormalization."

Pratt is measuring the absorption of infrared radiation by various gases and gas mixtures. He is also studying saturation effects of these gases.

They all said that the Army encourages them to expand their basic research to cover projects they originate themselves for laser development and related areas, in addition to their regular duties.

"It's a great opportunity for us," is their general opinion. Their experience at the Missile Command will enrich their careers and any further advanced study they may choose to do.

From a practical aspect, Cutler mentioned that he had spent some time rowing around swamps collecting plants when the Army was experimenting with the effects of lasers on water hyacinths that clog lakes and waterways in southern states. The program is being carried out under contract with Athens College and sponsored by the Army Corps of Engineers who

are interested in determining whether lasers can be useful in eradicating the water plant problem.

Cutler earned both of his degrees from the University of Chicago. While there, he had a position as teaching assistant, and also was employed two summers, one year as a research assistant at the University's Laboratory for Astrophysical and Space Research, and another year at the Argonne National Laboratories.

He has been in the Army about nine months, and came to Redstone last September after basic training at Ft. Campbell, Ky. His parents reside in Cincinnati, Ohio.

A Texan, Pratt received his bachelor of science degree at Sam Houston State University, and expects to receive his masters from the same institution. The work he is doing in the Laboratory is applicable to his thesis which he is now preparing for submission to Sam Houston.

Last year he was employed as a Graduate Fellow at his alma mater. He is a member of Sigma Pi Sigma and Alpha Chi honor societies, and was listed two years in "Who's Who Among Students in American Colleges and Universities."

Pratt entered the Army in May 1969 for basic training at Ft. Bliss, Texas, then was assigned to the Missile Command in August.

Koopman comes from Brentwood, Mo., a suburb of St. Louis. He was awarded his bachelor's degree by Washington University and went to the University of Minnesota for his masters.

He was selected for membership in Tau Beta Pi, Pi Tau Sigma, Omicron Delta Kappa and Phi Eta Sigma honorary scholastic fraternities during his college years. He is also a member of the American Society of Mechanical Engineers and the Engineer Club of St. Louis.

Koopman was employed part-time by Washington University while he was in college, has worked as a lab assistant at George Washington University, and as an engineer for a large chemical company in St. Louis.

He has been at Redstone since the end of December, and came after two months basic training at Ft. Ord, Calif.

GEN. CONNOR

(Continued From Page 1)

able; yet, with a positive approach, we can all help bolster public confidence."

A possible course in this direction, as outlined by Gen. Connor, is to let them know conclusively that "the Army can help win a war, but every element of government and the nation must help to win the peace. . . it (the Army) cannot constitute the national will. That will must come from the people of the nation — not the Army." On the same cause, he iterated that "we must do everything possible to enhance the prestige of the Army by emphasizing our positive accomplishments. And we will continue what I believe to be a wise policy—that of admitting our mistakes."

He also emphasized that the internal public—the American soldier — is equally important. The general felt that "to be a successful leader, you must be able to communicate with him about the same problems that are bothering the external public . . . the American soldier is an intelligent, highly motivated, and patriotic individual. . . He must be reminded of his innate pride in his heritage, his faith in freedom, and his hatred of tyranny."

In closing out his speech, Gen. Connor acknowledged once again the fact that "We have problems. In solving them, we must approach them calmly, marching with our heads up, continuing to do a good job—the best we can. With your help (officers) through your thoughtful and imaginative participation, I believe the soldier and the American public will give us credit (where it is) due."

SHOW AT CLUB

Tani's Variety Group will return to the Service Club for a stage show on Sunday.

Tani will feature two new performers. Tyke Jones, comedian and animal impersonator from Nashville, and Angie Phelps, pop singer. Miss Phelps has been appearing at The Coco Village in Chicago.

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DEFENSE

(Continued From Page 1)

tend any change in the basic mission of the Command or its operations at Redstone Arsenal.

He said reduction in force procedures of the Civil Service Commission and the Army will be invoked to protect the rights of individual employees while reaching the new manpower ceiling by the date specified.

A directed cut of 198 civilian jobs last October for MICOM was accomplished through normal attrition.

Notice of reassignment, demotion or release will be given to individuals affected by the reduction in force on or before April 28. Although the reduction in jobs has been directed for the Missile Command, Army civilian employees of MICOM are in the same Civil Service competitive area as those of the U. S. Army Safeguard System Command, the U. S. Army Safeguard Logistics Command, the U. S. Army Hospital at Redstone Arsenal, the U. S. Army Advanced Ballistic Missile Defense Agency—Huntsville Office, the U. S. Army Combat Development Maintenance Agency—Missile and Munitions Division, and the U. S. Army Strategic Communications Command—Safeguard Resident Office Communications Detachment.

In a related action, General Donley said, MICOM will close by March 31, the special management office that had been directing the MARS II artillery rocket program; close the project office managing the Redeye air defense guided missile system by March 31, and close the project office managing the Nike Hercules air defense guided missile system by June 30. These functions will be transferred to MICOM Directorates and Commodity Management Offices.

Every major element of the Missile Command is involved in the civilian personnel reductions. Skills initially affected in the reduction are as follows: Engineer and Scientists, Clerical and Administrative, Supply Positions, Engineering and Electronic Technicians, Civilian Personnel Positions, Procurement Positions, Program Analysts/Digital Computer Systems Administrative/Operator, Equipment Specialist, Communications, Education and Exhibits Specialists, Writer, Editor and Illustrator, Auditor-Accountant, Librarian, Guards and Fire Fighters, Intelligence Research and Security Specialists, Translator, Safety Officer, and Skilled, Semi-Skilled and Unskilled Wage Board employees.

Other skills may be involved as the individual standings and retention rights of personnel initially impacted are determined.

MICOM will enlist the assistance of other Department of Defense agencies and is requesting aid from the Civil Service Commission, State of Alabama and in-

Contract Managers Will Hear Gen. Feyereisen

Maj. Gen. Paul A. Feyereisen, Deputy Commanding General of the Army Materiel Command for Materiel Acquisition, will be the guest speaker Tuesday night at the National Contract Management's Association meeting in the Redstone Officers Open Mess. The meeting will begin at 6:30 p.m. with dinner scheduled later.

Title of the General's speech is "Trends In Army Procurement."

Reservations are being handled by Fred Powers, 883-3011.

SAFSCOM IO

(Continued From Page 1)

gree in 1961, and the University of North Carolina where he received his Master of Arts in Journalism in January 1970. His military schooling includes the Infantry School, British Staff College, Strategic Intelligence School, and the National War College.

His awards and decorations include the Silver Star with Oak Leaf Cluster, Legion of Merit with Oak Leaf Cluster, Bronze Star Medal with three Oak Leaf Cluster, Commendation Ribbon with Oak Leaf Cluster, Combat Infantryman's Badge with Star, Distinguished Unit Citation, Presidential Unit Citation (Republic of Korea), and the Department of Defense Identification Badge. As an Infantry officer, he actively participated in major campaigns in the Solomon Islands, Philippines, Luzon, and seven Korean campaigns.

He is married to the former Jean E. Hanna of Oil City, Pa. and they have three children, Joyce (23), Michelle (19), and Pamela (17). Joyce is affiliated with the University of North Carolina, Michelle is a freshman at Marymount College of Virginia, and Pamela is attending high school in Chapel Hill, N. C.

industry in an attempt to place as many of the individuals as possible who must be released. Voluntary separations and retirements among the civilian work force in the competitive area prior to June 29, will reduce the number of personnel who must otherwise be involuntarily separated to reach the new manpower ceiling.

The Army/Air Force Exchange Service employs approximately 200 civilians at Redstone Arsenal to provide a variety of service to military personnel. The Exchange Service also operates cafeterias including six now serving breakfast and lunch, predominantly to Army civilian employees.

Breakfast in the six civilian cafeterias will be limited to self service, by June 29. This will decrease full time employees by utilizing part time employees.

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Guidelines For Reduction In Force Explicit

Editor's Note: The following information is reproduction of Civil Service Commission Pamphlet 41 dated September 1969, and is published for the benefit of personnel.

Because of changes in program, lack of funds, reorganization, decrease in work, or the necessity to place a returning employee with reemployment rights, a Federal agency may have to lay off, furlough for more than 30 days, reassign, or demote employees. Standard reduction-in-force procedures are set up by the Reduction-in-Force Regulations so that such actions may be carried out in a fair and orderly way.

Under this system employees compete for retention on the basis of four factors specified by law (5 U.S.C. 3502). These four factors are type of appointment (tenure), veteran preference, total length of civilian and creditable military service, and performance ratings. The general rule is that veterans with "Satisfactory" performance ratings are given higher retention standing than nonveterans, but another provision of law (5 U.S.C. 3501) withholds veteran preference from certain retired members of the uniformed services in reduction in force and limits their credit for military service.

How the System Operates

Reduction in force does not begin or end with the layoff notices to employees. The agency must:

(1) Decide the jobs to be affected. The agency decision to abolish one kind of job instead of another is not subject to review by the Civil Service Commission.

(2) Determine, according to an equitable formula, which employees will lose their jobs or change jobs.

(3) Determine whether employees about to lose their own jobs have rights to other positions.

(4) Issue notices to the affected employees at least 60 days before the reduction is scheduled to take place.

(5) Help career and career-conditional employees who are, or will be, displaced find other jobs. The Civil Service Commission will cooperate in this effort through the programs described later in this article.

(Reduction in force of persons holding excepted positions—jobs for which the Civil Service Commission does not conduct open, competitive examinations—is discussed separately.)

Deciding Which Employees Lose or Change Jobs

Competitive Area.—First the agency fixes the competitive area (the geographical and organizational limits within which employees will compete for retention). A stenographer in one city, for example, would not ordinarily compete with a stenographer in another city. Each competitive area usually consists of a single office or installation in the field service, or a bureau or similar organization at headquarters.

Competitive Level.—Next the agency groups positions by competitive level (by type and grade of work). An accountant, for example, would not compete with a stenographer, since they cannot ordinarily do each other's job. Instead, similar jobs at the same level—jobs that are interchangeable—are grouped together in a competitive level to show clearly which employees are in competition: GS-3 stenographers are listed with other GS-3 stenographers. GS-2 typists with other GS-2 typists, etc.

Retention Registers.—At this point the formula combining the four factors—type of appointment (tenure), veteran preference, length of service, and performance rating—comes into play.

Employees in the kinds of jobs to be affected (for example, GS-3 stenographers) are ranked on a retention register in three groups according to type of appointment (tenure):

Group I—Career employees who are not serving probation and who do not occupy positions reserved for employees who have reemployment rights as a result of military service or transfer.

Group II—Career employees who are serving probationary periods, career employees serving in positions reserved because of military service or transfer, and career-conditional employees.

Group III—Indefinite employees, term employees, status quo employees, and employees serving under temporary appointments pending establishment of registers. Each of these groups is divided into two subgroups—A for veterans and B for nonveterans.

Three types of employees are not placed in groups and subgroups but are listed apart from the retention register: (1) employees with temporary appointments limited to a year or less, (2) employees with temporary promotions to the positions affected, and (3) employees with "Unsatisfac-

tory" performance ratings. They do not compete for retention in the competitive level. They must be released from the level before any employee in Group I, II, or III is released. The release of an employee with a temporary promotion would be accomplished in a normal situation by returning him to his regular job.

Within each subgroup employees are ranked by "service dates" which reflect their total Federal service (civilian and creditable military). An employee with a current "Outstanding" performance rating receives four additional years of service credit.

Selection of employees to be released from the competitive level begins at the bottom of the retention register, that is, with the employee in the lowest subgroup who has the latest service date. Using the example of GS-3 stenographers, Group III stenographers are released first, then Group II, then Group I. Nonveterans are released before veterans in each group.

Employees cannot be released from their competitive levels by separation, furlough, or demotion out of normal retention-register order except under certain specified conditions. Persons to be released out of regular order must be notified of the reasons and of their right to appeal the action to the Commission.

Determining Whether Affected Employees Have Rights to Other Positions

An employee in Group III has no right to another job. When he is reached for layoff, he can be separated.

When an employee in Group I or Group II is released from his own job he is entitled to a reasonable offer of assignment if the agency has a suitable job from which he can displace the incumbent by bumping or retreat. A suitable job is a job of the same or lower grade in the same competitive area for which the employee is fully qualified and able to do the work without undue interruption to it. He can bump if the job is occupied by an employee in a lower subgroup. He can retreat if he was promoted from the job or one like it and it is occupied by an employee with a later service date in the same subgroup. The agency is required only to make a reasonable offer of assignment—not necessarily the job the employee would prefer to have.

An offer of assignment is reasonable if there is no reduction in grade, or if it makes the least reduction that can be made under the regulations. In changes between different grading systems, the reasonableness of an offer is determined by comparing designated pay rates for the jobs involved. Example: A career GS-4 stenographer is surplus in her job. There are no jobs for which she qualifies held by lower-ranking employees at the GS-4 level. However, there are career-conditional employees holding GS-3 clerk-typist jobs for which she qualifies. The agency must offer her one of these jobs unless it can offer her

some other GS-3 job.

If there is no job to which the employee has a right, the agency may separate him. If he declines a reasonable offer, the agency is not required to make a second offer and may separate him.

The agency determines the qualifications of its employees and the jobs to which they can be assigned, but the employee is entitled to check on his rights by examining the retention registers and other records.

Issuing Notices

An employee may receive first a general notice that some action must be taken to reduce force and that he is likely to be involved, and later receive a specific notice. Or he may receive only the specific notice of the impending action, with the effective date. The agency must issue to affected employees its first notice (whether general or specific) at least 60 days before the date set for final action. If the first notice is a general notice, the specific notice must reach the employee at least 5 days before the date set for action.

Helping Career and Career-Conditional Employees Find Other Government Jobs

Efforts to help find another Government job for a Group I or Group II employee who is to be separated by reduction in force begin as soon as he is given a notice and the agency knows that he will be displaced.

Displacement in Commuting Area. Before he is separated, his agency must survey the positions held by Group III employees in all its installations or bureaus in the same locality (the commuting area) to see whether there is a job for which he is qualified. If the agency finds such a job, it must separate the Group III employee to make room for the Group I or Group II employee.

Agency Reemployment Priority List. Unless an employee has refused an offer at his present grade and salary, his name goes on the reemployment priority list. A Group I employee goes on the list for 2 years and a Group II for 1 year. During that time the agency must consider him for any vacant position.

(Continued On Page 5)

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GUIDELINES FOR REDUCTION

(Continued From Page 4)

cies in the commuting area for which he can qualify unless he is reemployed in a permanent position in the competitive service or otherwise loses his eligibility for appointment.

Displaced Employee Program. In addition, the Group I or Group II employee may obtain special consideration for employment by applying under the Displaced Employee Program of the Civil Service Commission. To receive this consideration, the employee applies through his agency, preferably before he is separated, but not more than 90 days after he is separated. Placement assistance under the program ceases when an employee is reemployed in a permanent position in the competitive service or otherwise loses his eligibility.

Reduction-in-Force Appeals

One of the reasons for having a uniform system for reduction in force is to make sure that employees are treated fairly and in accordance with their rights. This means that the system must be administered carefully and properly by the agency. Employees are given the right to appeal in writing to the Civil Service Commission if they believe the reduction-in-force regulations have been applied incorrectly in their cases. An employee may appeal at any time from the date of the specific notice to 15 calendar days after the actual layoff or job change.

An appeal should give reasons why the employee believes the agency action was improper, such as—

Failure to make a reasonable offer of assignment.

Failure to grant the employee veteran-preference rights.

Error in determining the employee's tenure group or length of service.

Error in the order of selection for action.

When the Civil Service Commission disapproves a reduction-in-force action as the result of an appeal, the agency is required to restore the employee to his job or to the job to which he should have been assigned. Generally, the agency is also required to pay the employee any salary lost because of the improper action.

Reduction in Force in "Excepted" Positions

Persons in "excepted" positions do not compete with persons in competitive positions. Nor do they have reassignment rights. However, an employee with competitive status who is to be separated by reduction in force from an excepted job may apply for special consideration under the Displaced Employee Program of the Civil Service Commission.

In reductions, employees in excepted positions are ranked as follows:

Group I — Employees serving with no conditions or restrictions upon their tenure.

Group II—Employees who are serving probationary or trial periods; or who are conditional solely because they occupy positions to which absent employees have claim; or whose tenure is equivalent to a career-conditional appointment in the competitive service.

Group III — Employees serving in indefinite or nonlimited temporary appointments, and employees serving under temporary limit-

ed appointments who have completed one year of current continuous employment.

Each group is divided into two subgroups—A for veterans and B for nonveterans. "Unsatisfactoriness," employees serving under temporary promotion, and strictly temporary employees are listed apart from the retention register and are released from the competitive level before any other employee.

Toastmistress Club Hears Mrs. Gibbs

The Redstone Toastmistress Club held its luncheon meeting in the Pershing Room of the Redstone Officers' Open Mess on Wednesday, 4 March.

Mrs. Jack McConaha, president of the club, introduced a special guest, Mrs. Edith Gibbs, acting chief, Systems Design and Programming Division, Management Information Systems Directorate, and Charter President of the Huntsville Toastmistress Club. The invocation was given by Mrs. Mary Ealy. Miss Helen Nixon led the members in the pledge of allegiance to the flag.

The program committee presented a workshop on Parliamentary procedure entitled, "A Comedy of Errors in Parliamentary Procedure."

Mrs. Gibbs spoke to the club on the advantages of belonging to a Toastmistress club and how it had benefited her. Also present were Miss Arleta Martin, Federal Woman's Program Coordinator; and Mrs. R. P. Hearn of the Huntsville served as general evaluator for Toastmistress Club. Mrs. Hearn the program.

The next meeting will be next Wednesday.



CAFETERIA OF THE MONTH—Blanche R. Guyton (center), manager of the cafeteria in Building 5250, and Lorene Powell (right), shift supervisor, receive the first **CAFETERIA-AWARD-OF-THE-MONTH**. Col. Preston B. Cannady, Deputy Post Commander of Redstone Arsenal, presents the plaque which will be awarded each month to one of eight cafeterias at Redstone. Each week, the cafeterias are inspected and graded on the basis of a 100 point rating scale. This month's winner received 399 points of possible 400 rating.

AIR-PORTABLE LABORATORY

Army Materiel Command has developed an air-portable laboratory for use by airborne units to help insure quality surveillance of aviation fuels.

The laboratory has been shipped to Vietnam for use by the 101st Air Assault Division by AMC's Army Mobility Equipment Research and Development Center which was the AMC development agency for the laboratory.

Petroleum product vapor pressure, distillation, copper-strip corrosion, gravity and moisture determination in JP-4 fuel, and millipore filter testing for determining solid contamination in JP-4, to detect contamination of fuels that could lead to aircraft or vehicle accidents, are tests the laboratory can perform.

The one-and-a-half-ton unit can be airlifted by helicopter, or can be secured to a truck bed for transport.

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SOC Socks It To Police For Military Title

Sharples Paces Mates In Final

It was "SOC" it to me time at the post gymnasium last week as the Student Officer Company (SOC) defeated the 291st MP Co. in a thriller of a championship game 61-55 in the Redstone Arsenal unit level basketball tournament.

After blowing a 11-point lead SOC pulled away in the waning seconds to tuck the championship away. Stan Sharples' three-point play with just 2:30 remaining and the score at 55-54 in favor of the MPs turned the trick.

For the remainder of the highly contested game the MPS were shutout while SOC scored seven straight points.

After a slow start the SOC quint begin to jell midway the first quarter and built a six point bulge that it carried to the locker room at intermission.

As the third quarter got underway the policemen began knawing away at the SOC lead that was reduced to three points. Then Sharples and Ray Ridenour poured in the points and with Hezikaih Richardson controlling the boards the missile officers extended their lead to 11 points as the quarter ended.

The lead did not last long. David Armstead and Charles Miranda sparked the MPs on a comeback trail that vaulted the policemen to a one point lead just prior to SOC's seven point spree.

Both teams had three players in double figures. Sharples led all scorers with 22 points. Ridenour had 14 and Tom Smalls collected 12 markers. Armstead pumped in 15 points for the MPs. He was aided by Miranda with 12 and Darrell Hunsicker with 11.

Comp Center Race Heats Up Again

The on-again, off-again race in the Comp Center Mixed League tightened up a couple of more notches last week setting the stage for a six-team chase down the home stretch.

The North Alabama College of Commerce quartet still holds the lead but the margin has been sliced to four and a half points by the Gutter Dusters. The sixth place Spares are only seven points away from the top in a near dead heat for second place.

Norm Marsh topped the Dusters in their shutout of the leaders with a 521 but individual honors for the week turned into a family affair with the McCormacks taking everything.

Rita McCormack shot a 211 game and posted a new high three game total for the feminine half of the league with a 569. She got plenty of help from husband Ray with a 542 as the second place Lucky Strikes fought to a two-all stand-off with the Spares.

The Main Frames held onto third despite losing three out of four to the Bedell Florists, the Jesters won three from the Alley Oops and the Whiskers blanked the Skonks in other matches.

Ray Baker was third in the individual scoring race with a 532 for the Jesters.

NACC heads the pack with 61 and a half points, the Str'kes have accumulated 57 and the Main Frames are third with 55 and a half. The Florists and the Dusters are another half point back followed by the Spares with 54½.



SOC IT TO 'EM—so the sign reads, and that's what the basketball team of Student Officer Company (SOC) did to the 291st MP Co. in winning the Redstone Arsenal unit level basketball championship. Members of the winning team are from left, Stan Sharples, John Partin, Hezikaih Richardson, Ray Ridenour and Tom Smalls. SOC won 61-55.

Hot Alley Cat Quintet Raises Pinfall Record

Seasonal records fell on both the individual and team fronts last week as AMC-Civilian League bowlers enjoyed one of their most productive sessions last Wednesday evening.

Chuck Turner and John Callahan each had a hand in the record assault among the individual pin toppers while the five Alley Cats got together to shatter the best previous series total for a team.

Bill Wickett was the top gunner for the Cats as they narrowly missed the best single game effort with a 1102 but continued their devastating attack for a total pinfall of 3080 sticks that erased an earlier 3051 put together by the Bandits.

Wickett ended the evening with a 551 count. Joining in the record assault were Chuck Lipsey, Hank Clinkenbeard, Bob Perry and Reggie McLaney.

Turner strung together games of 209, 210 and 224 for a 643 that helped the T-Birds to an even split with the Sprinters. It marked the second time this year that Turner passed the 600 mark in a three-game set. His handicapped total of 715 equalled an earlier set rolled by Slim Wilson, and enabled Turner to claim his second Bowler of the Week award.

Callahan saved most of his strikes for a big third game when the Bandit pounded the Playmor maples for a 258. It was the best

scratch game of the season as well as boosting the handicapped game record up to 283. Don Cooper had led with 273.

In team play the Bandits maintained a three-point margin by winning three from the Metro-Cals while the Voyagers were doing the same in battle with the Jokers. The Raiders made it to third in taking three from the Rejectors, the All-Sports gained a notch despite a 3-1 loss to the Lancers and the Travellers edged ahead of the Bombers for fifth by taking the

Retired Bowlers Slow 88s Charge

The Delta 88s took a nose dive last week but still managed to maintain a slim hold on first place in the Brigade Bowling League.

The 88 lead was cut to three points at the hands of Retired while 94-Plus was scuttling 3rd ETC. Co. A rebounded to keep pace with Retired as the Alpha keglers nudged Nike Track.

Elsewhere Co. B. spanked Co. C; Nuclear Weapons took four from 200th Ord; Half 'n' Half was a three-point victor over Low Balls and UTC regrouped to take three from Five Aces.

Larry Makanan's 590, high for the night, led Retired's charge over the 88s. Makanani was backed by his teammates' steady bowling. Stan Baker hit for 557 to lead the 88s in a losing cause.

Harry Kretlow and Mike Katz each rolled a 537 in the second place 94-Plus victory. Kretlow rolled 207, 181, and 179 while Katz posted 189, 206, and 172. A trio of bowlers hit the 500 mark for Co. A in disposing of Nike Track. George Mitchell lead the parade with 565 followed by Buddy Creek with 531 and Ed Gorzynski hit the maples for 529.

Bobby Shaw and Al Klaus rolled Bravo to a four point lashing of Co. C. Shaw posted 539 while Klaus dented the pins for a 581. Bud Henderson scored for Charlie posting a 586.

Art Brochu hit the night's high single game to lead UTC to a three point win over Five Aces. Brochu hit the deck for a 233 game.

The Delta 88s will have their hands full the remainder of the schedule trying to protect the slim lead. The 88s tangle with Co. B, Co. C and 94-Plus in that order before the curtain comes down on the final act.

Squares Squared In League Lead

Four teams; the Lucky Strikes, D. Squares, Jawbreakers, and Wheezers, have their own thing going in the Wednesday night RSA Officers Bowling League. The Lucky Strikes split with the Sandbaggers and are now in a 2-way tie for 1st place with the D Squares who took four games from the Jawbreakers.

The loss dropped the Jawbreakers into a tie for 3rd place with the Wheezers who fought off a last game surge by the Hard Hats to sweep all four games. The Wheezers have dropped only two games in the last four weeks.

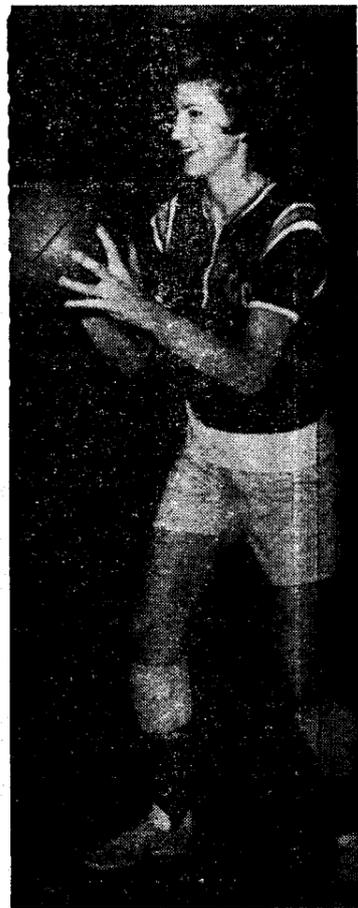
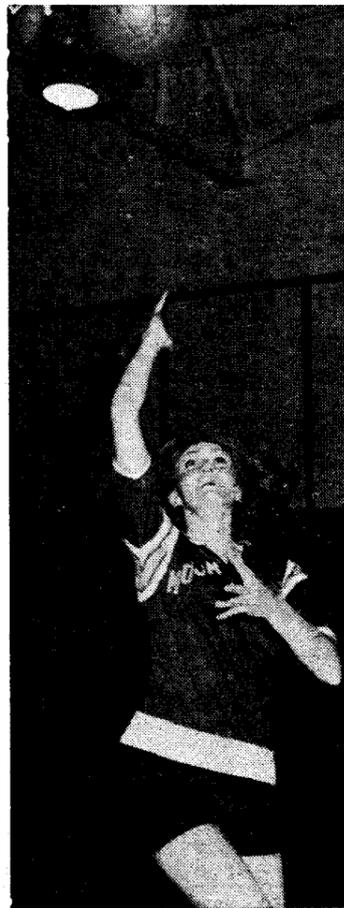
Eight keglers reached the 200 mark. They were Charlie Johnson (224), Milt Gatwood (223), John Costello (221), Bob Bishop (218), Bob Nix (213), Ray De Bolt (205), Ken Bowden (205), and Don Vanderheyden (201). Charlie Johnson also turned in the nights high series with games of 224-174-190 for 583.

The Mi Dicts met the Loggers head on and took them for four games. Both teams are now in a tie for 9th place. Sperry Rand took four from the Blackjacks and moved from 7th to 6th place. The cellar Metcals took two from the 5-Splits and dropped the splitters to 7th.

The top four teams continue in a tight race with only four games separating 4th from 1st.

Avangers.

Other outstanding individual efforts were turned in by: Joe Leary, 567 for the Lancers, Harold Madry, 544 for the All-Sports, Joe Brewer, 567 (237) and Elmer Rufe, 544 for the Metro-Cals, Steve Stevens, 579 (238) for the Avangers, and George Burchfield, a 536 for the Sprinters.



MICOM ALL-STARS—Gladys Hill (left) and Edith Benson along with Carole Bissinger are the Missile Command's selection for the Huntsville Women's League All-Star team that will take on the title winning General Electric team at the Joe Bradley School gym next Monday evening. Miss Hill averaged better than 30 points per game for the second place MICOM team while Mrs. Benson was the top defensive player. Mrs. Bissinger divided her time between offense and defense.

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Accountants Meet Engineers For Civilian Crown

Semi-Finalists Qualify For All-Redstone Meet

It will be the Finance and Accounting Center against Engineering QA at the Joe Bradley gym tonite with the Civilian Welfare Fund basketball championship going to the winner.

The title game is scheduled for 8:00 following the consolation game matching Missile Intelligence against ICO.

The regular season titleholders, F&A, gained a final berth by taking out ICO, 76-67, in one of the semi-finals played on Friday. QA rapped MID, 71-57, in the other title game qualifier.

Earlier in the week QA eliminated Data Processing, 80-58, and the Accountants put down a determined Missile School five, 81-78.

The four semi-finalists will return to action next Monday at the Evangel School for the all-Redstone tournament against four Marshall Center quintets. The three-day single elimination will be followed by an All-Star game on Saturday, March 16, at the Big Springs Community Center.

QA jumped off to a fast lead with Neil Winterburn doing most of the early damage and MID was never able to catch up. The winners were out front by a 38-23 count at the half.

Don Wood took over the scoring lead in the second half for QA as he battled Mel Thomas, the MID ace, waged a personal duel for control of the boards.

Wood took scoring honors for QA with 18 and Winterburn tossed in 15 more. Thomas was high for the game with 20 and Phil

Shepherd contributed 13 more.

The Accountants made it to the final game after leading ICO all the way. Although the game was close most of the way, ICO, playing without their floor leader, Dennis Vaughn, until the last few minutes, was never able to gain the upper hand.

Danny Franklin hit six out of eight shots from the floor during the first half and John Reppert hit on four of seven as the Accountants took a 32-29 margin into the halftime break.

ICO stayed within a point or two of the lead until the middle of the final period when Jerry Mullinax left the game on five fouls. With the unanimous all-star gone Elliott Agee was able to control the boards and enable F&A to pull away to their winning margin.

Franklin topped the evenly balanced Accounting attack with 19 points. Jim Bunnell and Greg Bogue got 15 apiece, Reppert hit for 14 and Agee added 13 more.

Mullinax hit for 17 points before leaving. Vandy Cobb and Truman Howard shot 14 apiece and Hal Stafford hit 13.

Jones Organizes Explorer Post Band, First In Nation

E. Ray Jones, an industrial specialist in the Safeguard System Command's Production and Logistics Directorate, organized his first Salvation Army band when he was 14 and is still keeping up the tempo. His first band was in Macon, Ga. and grew to 18 members.

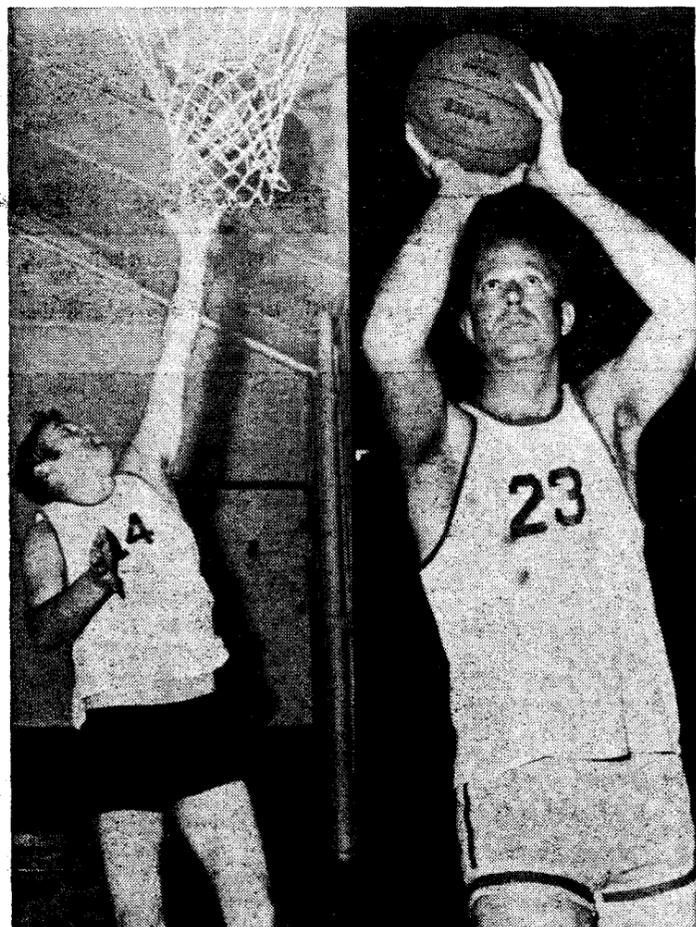
As the years passed, he gained valuable experience in band direction, learned to play every brass instrument in his bands, and also became a civil servant working out of Warner-Robbins Air Force Base, Ga. In 1963 he transferred from Georgia to the Defense Industrial Plant Equipment Center, Memphis, Tenn. Work of his accomplishments with the Georgia

Salvation Army had preceded him and upon his arrival in Memphis he was contacted by the local Salvation Army Commander to see if he would organize a band for a local Salvation Army Corps. Jones accepted and his new band grew to 33 musicians. They played at all Salvation Army functions, Easter sunrise services, at the Kennedy Veterans Hospital, at Cotton Carnival parades, and provided music for the lighting of the city Christmas tree.

In 1968 he came to Huntsville. Working with the local Salvation Army he accomplished a unique first. He helped organize Explorer Post No. 4 which is the

first explorer post to specialize nationally in music. This post is co-educational as decreed by the National Council, Boy Scouts of America. He starts a beginner class each September to find new members who are interested in playing in the Post band.

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DOUBLE BARRELED ATTACK — In Neil Winterburn (left) and Don Wood, Engineering QA has a pair of scoring threats that Finance and Accounting will have to contend with in tonite's CWF finals. With playmaker, Alton Maddox, setting up Wood and Winterburn, QA presents a smooth running attack that has accounted for eleven wins in 14 starts this season. The Accountants have won 13 of 15 games including two out of three from their final game opposition.

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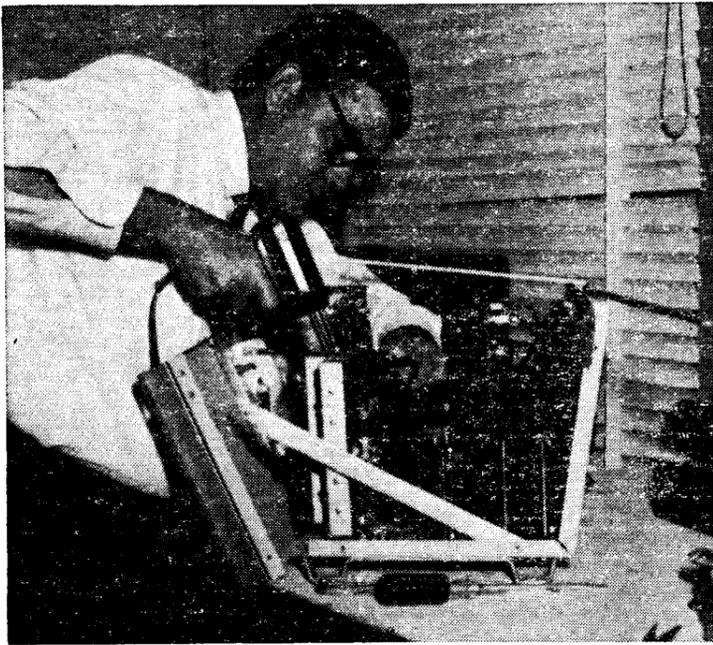


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Audio-Visual Specialists Are Pro Conferees



REPAIRS ON THE SPOT—Brice McLemore, electronic equipment installer and repairman, solders connections on a power supply unit that developed difficulties. The Section has a work bench right in the office and repairs can be made on the spot.

How would you like a career as a professional "conference attendee"? That is part of the job for the Presentation Branch of the Visual Arts and Presentation Division.

There are about 250 meetings held each month in nine conference rooms within the U. S. Army Missile Command. About half involve the use of audio visual equipment and require the services of the Presentation Branch.

With conference rooms located in five different buildings, the six members of the Presentation Branch have to "Plan their work and work their plan" to provide adequate coverage of scheduled meetings.

Actually, attending conferences and operating equipment is only part of the job. With three visual information specialists, two electronics installers and repairmen, and one equipment specialist assigned, the Branch handles check-out and maintenance of audio visual equipment valued at more than \$500,000.

John Kubilis, chief, Visual Arts and Presentation Division, said: "All who hold conferences can help the Presentation Branch by calling LaVerne Godwin at 876-5104 or 876-5602 to reserve conference rooms at least one to two weeks in advance."

W. F. Gatlin, Branch Supervisor and a veteran of 20 years audio visual background, lists versatility and experience as the chief assets of the staff.

Brice McLemore with 15 years experience and W. C. Barlowe with 10 years, handle the duties of Electronics Installers and Repairmen, which include periodic maintenance on all equipment, major and minor repairs and equipment modifications.

Woodrow W. Burke has 20 years experience and Virge Rosson with 18 years, give the visual information specialists a thorough background in virtually all types of equipment.

Robert E. Frame, Equipment Specialist, is the youngest member in both age and experience with five years in the field.

Although members of the Presentation Branch check out all audio and projection equipment, check conference rooms for arrangement and cleanliness, work with the Illustration Branch on training aids, keep records on all equipment, and order new equipment and supplies, they still need additional cooperation from organizations holding conferences.

These organizations can submit slides or other training aids to the Presentation Branch in advance of their scheduled meeting.

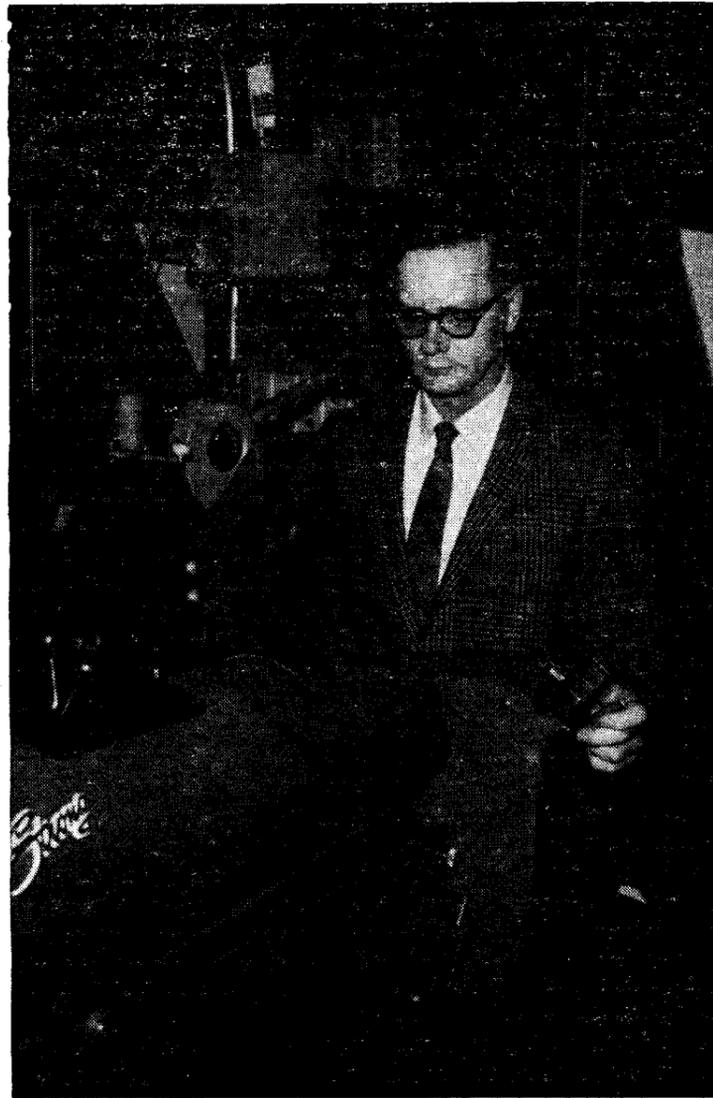
Though they are the "men behind the scene," members of the Branch have handled conferences for General William C. Westmoreland, Army Chief of Staff, General Creighton Abrams, Commander in Vietnam, General F. J. Chesarek, Commanding General, Army Materiel Command and other dis-

tinguished visitors.

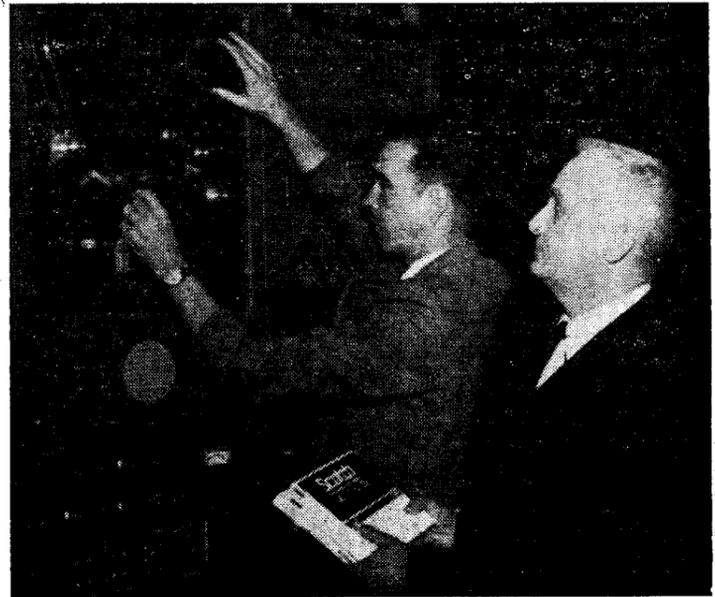
For professionals of the Presentation Branch, no conference is too small or too large.



TESTING—TESTING—W. C. Barlowe, electronics installer and repairman assigned to the Presentation Section, checks out a microphone and audio system in one of the many conference rooms on Redstone Arsenal. Presentation Section personnel handle all equipment in conference rooms at Missile Command.



EXPENSIVE EQUIPMENT — Virge Rosson, visual information specialist, prepares a carbon-arc slide projector for a presentation in Rocket Auditorium. Members of the Presentation Division are checked out on all types of audio and visual equipment used by MICOM.



RECORDING IT ALL—Robert E. Frame, equipment specialist, left, threads a tape recorder prior to recording a conference meeting as W. F. Gatlin, Branch supervisor discusses procedures and disposition of the tapes.



PLANNING AHEAD—John Kubilis, Chief, Visual Arts and Presentation Division, checks the conference scheduling book with secretary LaVerne Godwin. With nine conference rooms located in different buildings around the Arsenal, scheduling is important to prevent conflicts.

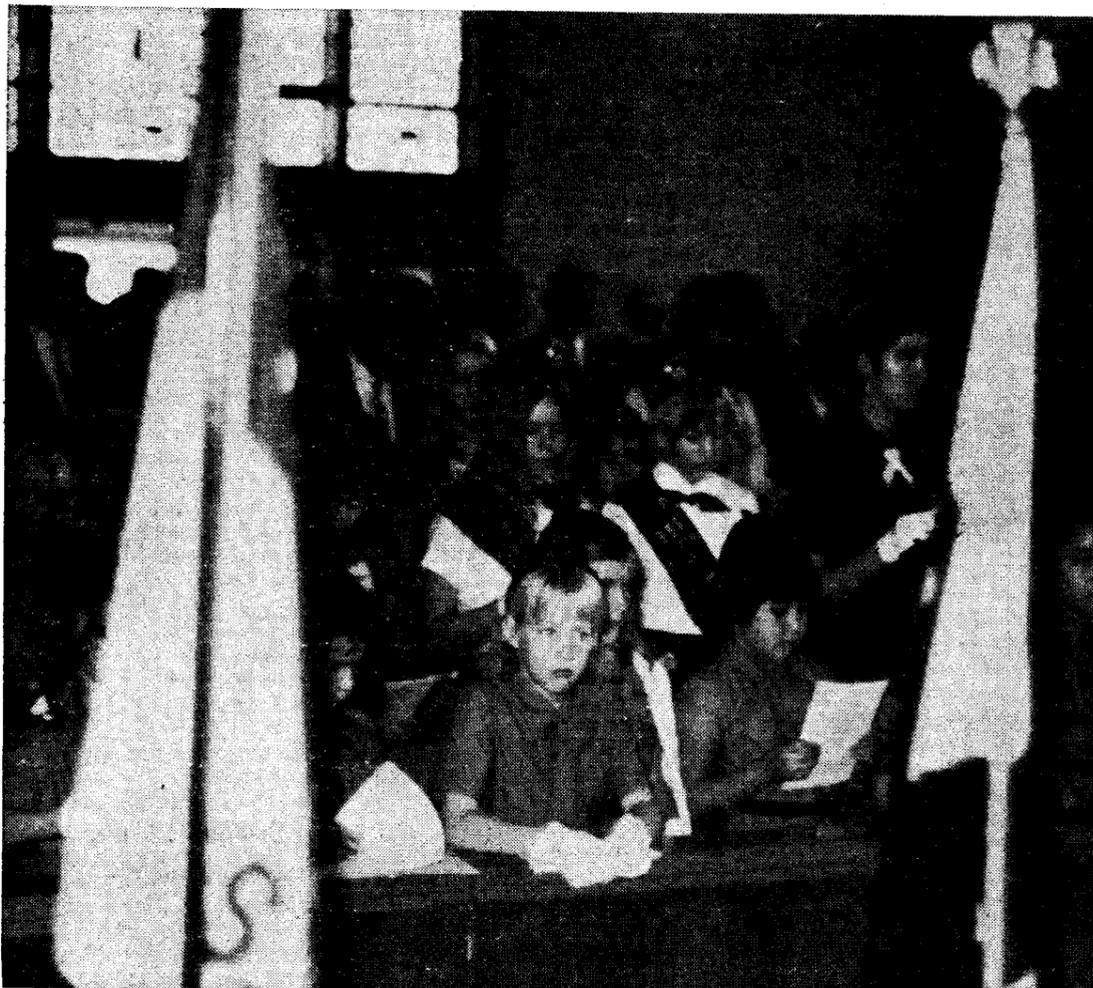


LAST MINUTE CHECK—Woodrow W. Burke, visual information specialist, makes a last minute check of name plates and seating order prior to a conference. During the conference, Burke will have all responsibility for operation of audio visual equipment.

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GIRL SCOUT WEEK—The Girl Scouts at Redstone Arsenal opened Girl Scout Week, the Scout birth-date is March 12, 1912, by attending the worship service of their choice in uniform and together. Sunday's services had Scout participation at both the Catholic and the Protestant Services. The program at Redstone Arsenal, like all Scout programs, includes girls from seven to seventeen, and unites girls around the world in the Girl Scout pledge: "On my honor, I will try to do my duty to God and my country, To help other people at all times, To obey the Girl Scout Laws.



PROTESTANT SERVICE—Patty Jones, Cadette, was one of the readers at the Protestant Service on Girl Scout Sunday. She also served as an usher along with other members of her troop. The Girl Scouts are a world association, including the Girl Guides, and number more than 5 million members in 51 countries. Crafts, first aid, camping and other skills are mastered.

DRUG MAN

Of Drugs And The Lonely Crowd

PART I

(Following is the first of a three part series of excerpts from remarks by Commissioner Larry A. Bear, Addiction Services Agency, New York City. His talk, "Of Drugs and The Lonely Crowd," was delivered at the annual awards luncheon at the Advertising Council, Incorporated.)

It is currently fashionable to distinguish between abuse of "hard" drugs and abuse of "soft" drugs. By hard drugs I mean those drugs which are opiates or opiate derivatives, as heroin and morphine, Cocaine, a derivative of the leaf of the coca bush should also be included in the category. Stimulants and depressants, such as amphetamines and barbiturates and hallucinogenic drugs such as LSD and cannabis, fall into the soft drug category.

The distinction between "hard" and "soft" drugs is one with which I am not comfortable because it suggests that while addiction to "hard" drugs must be serious, abuse of soft drugs, while bothersome, must not be of great consequence. I am afraid that people who speak of the relative harmlessness of soft drugs tend themselves to belong to communities where soft drug use is the most prevalent. This tendency to externalize the problem as being someone else's serves only to prolong the inevitable confrontation with

reality: soft drug abuse is truly destructive.

Hard Drug Abuse

We know a great deal about hard drug abuse. We know that there are between 60,000 and 100,000 heroin addicts in New York City. We know that addiction is the largest cause of health-related deaths in the 15-30 year old age group in the City. We know that hard drug addicts, more often than not, steal millions of dollars annually in goods to support their habits. Addicts account for much of the cost of the police, correction, court, welfare and hospital systems in the City.

We have developed some answers to the hard drug problem however. We have city operated treatment facilities and community centers where addicts or their families or neighbors can become involved in the rehabilitation process. We have groups which involve relatives of addicts. The City now sponsors a new methadone maintenance research program which will involve 5,000 addicts over the next five years. This is a beginning. With more money and time to train staff, we will grow, so it is fair to say we are on our way toward a solution to the problem of rehabilitating hard drug abusers.

We know a great deal less about soft drug abuse. We cannot even estimate the number of people

in the City who misuse soft drugs. We cannot measure the cost of abuse in loss of human potential. We do know that whatever portion of the population is involved, the percentage is growing, particularly in the younger age groups.

And we know this: In 1966, the Federal Food and Drug Administration stated that four billion, five hundred million amphetamine and barbiturate pills and capsules manufactured in the United States annually were diverted into illegitimate channels and millions more were imported annually.

'Hard' and 'Soft' Drugs, Varieties and Problems

We know some of the effects of soft drugs. Barbiturates are physically addicting and can cause brain damage. Amphetamines or stimulant drugs, although perhaps not physically addicting, can cause temporary or permanent psychosis. Methadrene, known the vernacular as "speed," is perhaps the most dangerous amphetamine. It is in wide use among young people today, and is often times used intravenously as is heroin.

Glue sniffing can produce many of the symptoms of amphetamine abuse. We have seven year olds who are habitual abusers of glue preparations.

Mountains of material have been written about the hallucinogenics: LSD, STP, and various products of the cannabis plant. I am sure you have all read about the effects of these drugs on sensory perceptions, motor responses, and emotional reactions.

Marijuana is also classified as an hallucinogen. It is one product of the cannabis plant, and is more a

AHEAD OF THE POWER CURVE

"... I sometimes think of the Army manager as a surfboard rider who has just caught the big wave. As long as he rides in front of the curl — ahead of the power curve — he has an exhilarating ride into a warm sandy beach. He has maintained control and completed all the necessary maneuvers — maintained the necessary balance and gained useful experience in accomplishing his objective — and he can bask in the glow of success, whether or not it is recognized.

"But if he fails to anticipate the changes inherent in his current environment, the organization upon which he has been riding scoots from beneath his feet, he falls, and the entire weight of his failure comes cascading down on top of him. In terms of the surfer, he has 'wiped out'."

—General F. J. CHESAREK, Commanding General, AMC, in AUSA address, Washington, 15 Oct. 69

quantative than a qualitative description of the drug. The amount of the chemical cannabinal in the cannabis preparation determines the potency as well as the descriptive name of the drug that results. The cannabis drug with the highest cannabinal content—and thus the most potent—is called hashish. Marijuana is one of the weaker cannabis products. The degree of cannabinal in marijuana itself varies, so that some has more potency than others.

Use Not Limited

Soft drug use is not limited to young people. Our generation gave birth to the barbiturates and to the amphetamines. To the pills. Some of us can't sleep without them; others can't stay awake or function physically without them, and even more gobble them in

increasing amounts to lose weight or to relieve anxiety.

We have created a vocabulary not specifically drug oriented but sharing the same attitudes that are a part of the drug syndrome: "there must be an easier way" for example, or "take a drink, you'll feel better." It is hardly any wonder then, that the younger generation have their own signs and symbols that constantly remind us of the presence of drugs in our midst: "turning on," "getting high," "freaking out," "getting into a bag."

Finally, we have created the distinct concept that in this country, with its affluence and technological advances, there is no need for anyone to really be unhappy. If unhappiness exists, there is a way to fix it up. (AFPS)

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Patent Requests Take Time, Effort; Pay Off

U. S. Army soldier-inventors at the Missile and Munitions Center and School are being asked to submit their ideas to the Patents Division of The Judge Advocate General for evaluation—those at the Missile Command and the Safeguard Command would begin with the Missile Command's Patent Office.

Soldiers and government employees can receive money for their ideas, as well as possible commercial rights. The Army pays \$50 for each patent application filed and an additional \$100 for patents issued.

Inventors may contact the Chief, Patents Division, Office of the Advocate General, Department of Army, Washington, D.C. 20310. —Army Digest.

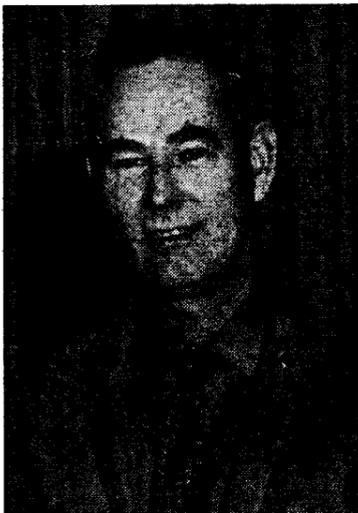
Lynwood I. Varney, Jr., Deputy Director of Maintenance, MMCS, has taken to heart the advice of this Army Digest "ad." Early this month Varney's efforts at developing a new gauge for measuring the

pitch diameter of screw threads literally "paid off." Though his invention did not bring monetary mounds, he did receive an incentive award of \$50 for his efforts and an additional \$50 after the patent was issued.

Of course, there is much more to the applying for a patent than merely submitting a request, supplying a diagram and description, and waiting for the final rewards.

Before an individual begins to apply for a patent, he must understand exactly what is involved in the process, how he benefits if he applies through the United States Patent Office, and what he is entitled to if the patent is issued.

Probably the first question which comes to mind is why should a person apply for a patent. Patents are designed to promote the early disclosure of new inventions to the public by the inventor who, in return, receives a limited monopoly and the right to exclude others from making, using or sell-



LYNWOOD I. VARNEY

ing his invention.

In short, a patent has the characteristics of personal property. It can be purchased—in part or entirely—or can be licensed for a fee or royalty. Even though a patent holder cannot stop the Government from infringing on his monopoly rights, he may sue for compensation if his invention is used without authorization. Thus a patent is a type of "insurance" that protects the inventor's interests.

Obligation to Report Inventions

Under the provisions of Executive Order 10096, it is the duty of government employees to report all inventions and rights to inventions. In this report four elements are considered before action is taken:

1. Subject matter of the invention.
2. Duties of the inventor at the time the invention is made.
3. Relation of the invention to the inventor's job.
4. Utilization of Government funds, equipment, material, time and information.

The degree to which the inventor is involved in these elements determines whether or not he is required to grant a "license" which permits the Government to use the invention or to have others make it for governmental use.

If licensing is ruled, the inventor is still permitted to retain commercial rights and the rights to exclude others. If the rights determination requires that the rights be retained by the Government, the inventor will give the Government an "assignment" of the entire right and interest in the invention.

Benefits of Registering With the Government

The first benefit is provided under AR 672-20, which states that the applicant is entitled to an incentive award of \$50 and is eligible for an award of \$100 if a patent is issued.

If the invention is patentable—as revealed through a Patent Office search—if it is of use to the Government, and if the invention was made during off-duty time, using private materials, the inventor retains the title to the invention and is eligible for a government paid prosecution of the patent, providing the inventor will grant the Government a royalty-free license to make or to use the invention.

Since patent prosecution can be expensive, it is indeed beneficial to the inventor to take advantage of this offer, especially since the Government license will not limit his commercial rights.

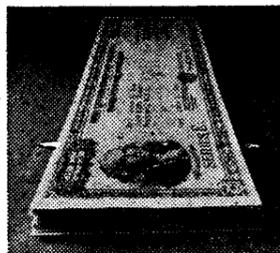
Although this process is something a long and painstaking operation, the result is well worth it—not only to the Government but also to the individual himself. Just ask Varney.

At Redstone Arsenal the patent office is located in Building 7131 across from Arsenal Support Operations Headquarters. For ready response in particular areas of interest, personnel may call the following: mechanical, 877-2155; electric and electronic, 877-2156; chemical, 877-2157.

PAINTING & DRAWING WORKSHOP—A course of 10 three-hour studio classes at UAH intended for the interested or talented person at any level of capability or experience. The specific course content is kept flexible to accommo-

date the individual capacities of the students. The class will meet each Wednesday, 7:00 to 10:00 p.m. and is limited to 14 students. The first session will be on March 18, Jack Dempsey Professor of Art, will conduct the course. No credit.

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PATENT AWARD WINNERS—Walter J. Krueger (left) and Violet Minnich check the plans of their invention, an aft can which fits on the back of a Shillelagh missile training round. Miss Minnich, an aerospace engineering technician with the Army since 1953, and Krueger, an aerospace engineer at Redstone since 1955, recently received a patent on this device which they developed jointly. Both are employees of the Structures and Mechanics Laboratory of the Army Missile Command's Research and Engineering Directorate.

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S300	Introduction to Automatic Data Processing (Theory)	(Day) 12-4 (Evening) 6-10	MW MW
S310	Introduction to Computer Science (Theory)	(Day) 12-4 (Evening) 6-10	TTH TTH
S320	Introduction to Cobol Programming (Theory—Lab)	(Day) 12-4 (Evening) 6-10:10	MW MW
S330	Introduction to Fortran IV (Theory—Lab)	(Day) 12-4 (Evening) 6-10:10	TTH TTH
S340	Cobol Programming	(Day) 12-4 (Evening) 6-10:10	MW MW

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Certificates of completion will be presented for each module successfully completed by the student, as well as a letter grade reflective of his achievement in that module. After completing one or more of the certificate modules, and a student decides to enroll in a degree producing program at Alabama A.&M. University, he may present his certificate(s) for evaluation in the same manner as he would transcripts of credit from other institutions.

FOR FURTHER INFORMATION, CONTACT:
ROBERT H. HILTON, PROGRAM DIRECTOR
DEPARTMENT OF INDUSTRIAL TECHNOLOGY
Alabama A.&M. University, Normal, Alabama 35762
Telephone: 859-0800, Ext. 212

Tyson Scraps Schedules, Does His Own Thing



RETIREMENT IS MUSIC—For John Tyson, retirement means time to work on his stereo record player and tape deck and to enlarge his collection of music. Tyson, former Chief, Reproduction Division Directorate Arsenal Support Operations, retired in late 1969 after more than 37 years government service.

"When you've worked at a job for 37 years, 5 months and 14 days, you look forward to retirement and a chance to do all the things you've always wanted to do." Talking was John Tyson former Chief, Reproduction Division, Directorate Arsenal Support Operations who retired from government service late last year.

Unlike many of his fellow-retirees, Tyson is not an ardent hunter or fisherman. (He likes to go fishing with friends who don't want to fish all the time.) Describing some of his fishing trips, Tyson indicated he always seemed to get there the day after the fish were biting good . . . not on the day when conditions were just right.

Wall-to-wall music is Tyson's "hangup". He has his stereo record player arranged so he can put favorite records on tape. Using some rather unique hookups, he has a tape deck set up to play music through a combination of speakers arranged around the room.

His tastes in music range from classical and semi-classical to the rock style of Tom Jones. Tyson is always on the lookout for new and different records to tape and add to his collection.

From the standpoint of a "conformist" who has had to get up at a certain time and be a certain place during the last 37-plus years, Tyson, has adopted the policy of "Doing what I want to do, when I want to do it."

Demonstrating his cooking abilities, Tyson was caught one day recently preparing a steak in the middle of the afternoon. Nowadays, he said, if he wakes up in the middle of the night and decides he wants a steak or something special, he gets up and cooks it and doesn't worry about having to get up early and go to work.

Tyson also enjoys talking to his many friends made at Redstone Arsenal and throughout Huntsville the last 19 years. One of his favorite subjects he can talk about anytime includes his three daughters and six grandchildren.

Though he is retired and enjoying it, Tyson isn't losing contact with the business world. Already he is looking into several business ventures that might suit his abilities and desires.

Would he like to return to the "daily grind?"

"I like to keep busy but I like doing just what I want to do," Tyson said.

contradictory beliefs and different behavior patterns." Through these discussions, it is hoped that the men who participate will glean a better understanding and awareness of themselves, their society, and their fellow men.

According to the tentative outline, "it is necessary to look beneath the surface of changing events to find the values that constitute and sustain the moral heritage."

To achieve this, there must be more emphasis on discussing, reviewing, and re-evaluating the issues of the day. As Col. Robert F. Mashburn, MMCS Staff Chaplain, explained, "There will be more talking WITH individuals and less talking TO them. The sessions will attempt to stimulate more responsible citizenship by reviewing the strengths of our nation."

Under the new program the chaplain becomes a monitor-sounding board who guides the discussions rather than dominates them. "Listening is the keynote," the Chaplain added.

In the new program, less stress will be placed on the leader's guiding the character of the class. The class itself will search for the answers through discussion.

The outline further stated that "the root values will pave the road to establishing a common bond between human beings who have

Moral Heritage Replaces Duty, Honor and Country

A new beat is fast changing the old cadence of the Army's Character Guidance program. According to a tentative outline, introduced at a recent 3rd Army Chaplain's Seminar the program will emphasize moral heritage in lieu of the Duty, Honor, Country series of lectures.

The program will feature more intimate seminar-types of discussion in place of the lecture sessions. There will be more rapport and less retort; communication rather than confrontation will be stressed.

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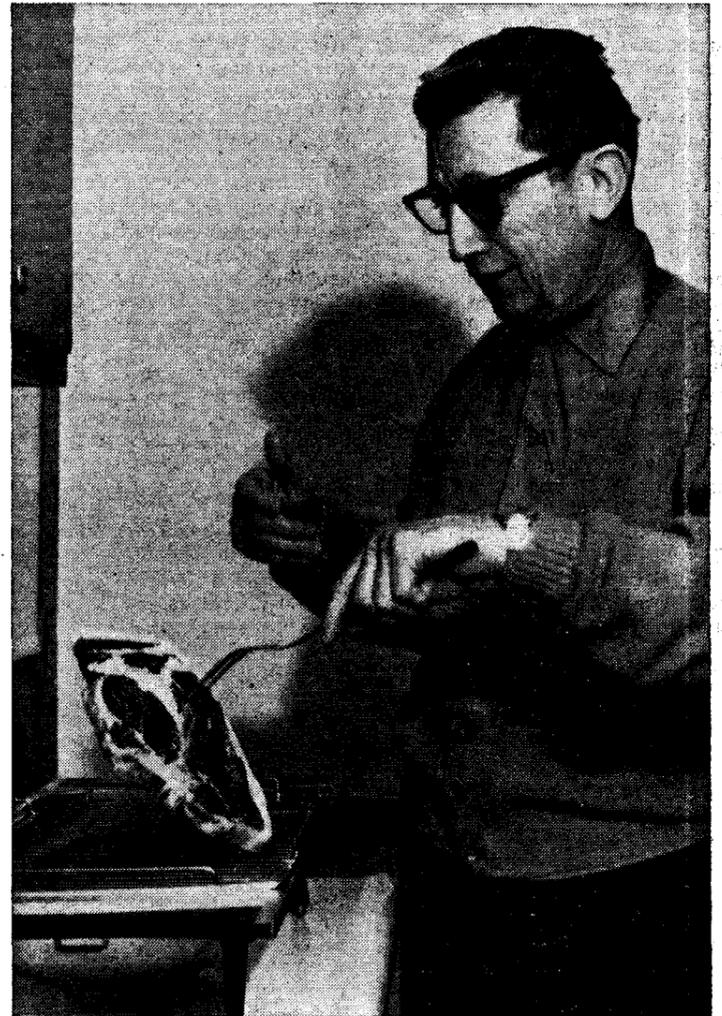


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HIS OWN CHEF—Tyson does a little cooking in his spare time. Retirement is wonderful he said. Now he can cook a steak in the middle of the night or whenever he feels like it, and not worry about the "working grind."

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Merit Certificate Goes To C. H. Dobbs

The Army Cost Reduction Program Certificate of Merit was awarded to Cecil H. Dobbs, Chief, Reproduction Branch, by Brig. Gen. R. P. Young, Division Engineer, U. S. Army Engineer Division, Huntsville.

Dobbs was commended for his sustained enthusiasm and interest in developing improvements in printing and reproduction techniques which resulted in validated savings of \$34,800 in Fiscal Year 1969 and estimated savings of \$107,300 for Fiscal Years 1969-1971.

The Huntsville Division is responsible for managing the design and construction of facilities for the SAFEGUARD Ballistic Missile Defense System.

Army Talent Search Sets Its Deadline

Military personnel in the Army Materiel Command who are competing in the Army-wide arts and crafts sculpture competition having special significance for their installations are urged to send their entries in immediately. John J. Flood, Special Services Branch chief of AMC's Administrative Office, AMC competition chairman, said.

The Army arts and crafts project, based on the theme "Today's Army — Symbolized in Sculpture," is a talent search for military personnel with competence and experience in architecture, landscaping, industrial and interior design, sculpture and construction.

Emphasis will be placed on depicting Army life, traditions, and missions in permanent form. Participants are encouraged to develop ideas for sculpture which will have special significance for their installation. Department of the Army will make three cash awards to help defray construction costs of the most outstanding projects.

Presentations must be forwarded by Mr. Flood to reach Department of the Army no later than March 30. Projects should be sent to Mr. Flood at Army Materiel Command headquarters.

Further information regarding this program is contained in Da Circular 28-42, dated 24 June 1969.

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Local Firms Win Awards

Awards for missile repair parts, goods and services at the Army Missile Command during the past

month topped \$33 million. More than half a million dollars worth of this business went to firms in Huntsville.

Many orders are for such items as food, auto and building repairs, laboratory and office supplies, and general housekeeping materials. Others fund small technical developments and hardware for missile components.

Representative of the orders in Huntsville are: one to Meadow Gold Dairies for \$7,738.86 to cover purchase of ice cream, dairy and perishable products; one to Ridge Instrument Co. for \$48.98 for connectors and fittings; and a \$12,657 order to Bommer Electric, Inc. to repair the heating system in a number of buildings. Among the divisions in the Mis-

sile Command Procurement and Production Directorate which negotiate these awards are Purchasing and Contracting, Repair Parts, Field Activities, and Systems Contract.

Not included in these purchases are the contracts for a million dollars or more awarded to contractors for missile systems and related equipment.

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Illinois Soldier Takes Top Scholastic Honors

PFC Gary N. Piper seized top position at the Friday graduation of Redstone Arsenal's Missile and Munitions Center and School.

PFC Piper, son of Mr. and Mrs. E. B. Piper, 208 Water St., St. Joseph, Ill., compiled an average of 99.6 in the ammunition storage course to lead the entire graduation class and to qualify as a recipient of the Association of the United States Army (AUSA) award. This award is presented only to those students who maintain an average of 96 or higher in their studies.

During the 10-week course, he learned to receive, store, and issue ammunition components, and military explosives — including chemical ammunition, under battlefield conditions.

Piper is a 1964 graduate of Danville High School, Danville, Ill. and holds a bachelor of science degree in marketing from Indiana State University, Terre Haute, Ind.

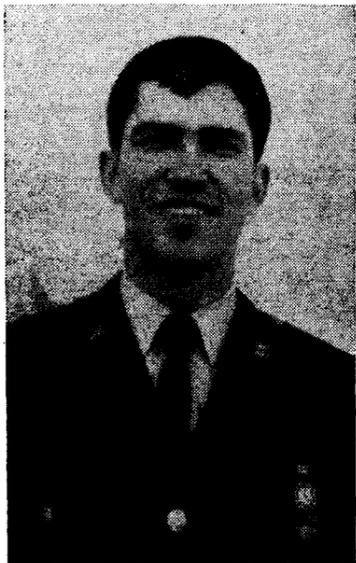
Prior to his entering the Army in October 1969, PFC Piper was employed as a credit adjuster by Ford Motor Credit Co., Huntsville.

He is married to the former Kathryn Shook, daughter of Dr. and Mrs. Burton Shook, 5614 Whitesburg So., Huntsville.

In recognition of their outstanding academic performance, Mr. Donald C. Maliskey, AUSA representative, presented plaques to SP6 Robert E. Murphy, Dayton, Ohio, who had a 96 in land combat system repair technician course; and to PFC Harry F. Stannebein of Billings, Mont., and PVT Edward G. Harding of Fayetteville, Ark., who each had a 99 in the ammunition records course.

Guest speaker MAJ Thomas A. Sneed, Instructor, Officer Training Department, gave certificates of recognition to SSG Bjarne K. A. Borg, Denmark, who had a 95.4 in HAWK continuous wave radar repair course; SP4 Walter M. Dworak of Kulpmont, Pa., with a 92.7 in HAWK pulse radar repair; and PFC Robert P. Knutson, St. Paul Minn., with a 94.3 in the Pershing digital equipment repairman course.

According to a VA information sheet entitled "America's Wars," 559 widows and 400 children of Civil War veterans were on VA's compensation and pension rolls as of Dec. 31, 1969.



PFC GARY N. PIPER

New Arrivals

CPT and Mrs. James D. Asher, Jr., boy, James Dial, III, Feb. 28.
 SP6 and Mrs. Robert E. Kroeser, girl, Carin Denise, Feb. 28.
 PFC and Mrs. Francisco S. Rosales, boy, Francisco, Feb. 28.
 SGT and Mrs. Manfred A. Johann, boy, Robert Manfred, Mar. 1.
 PFC and Mrs. John R. Crichton, boy, Scott Lee, March 2.
 SP6 and Mrs. Jerry T. Williams, girl, Donna Chimene, March 3.
 SP4 and Mrs. Ronnie L. Martin, boy, Joseph Rance, March 6.

TOUR

Enlisted men at Redstone will tour the new Space and Rocket Center on Saturday.

The Service Club sponsored trip is set for 11 o'clock Saturday morning. After a visit to the center the group will tour downtown Huntsville.

The VA says certain permanently and totally disabled veterans are eligible for grants up to \$12,500 for the construction or remodeling of homes.

PLASTICS FOR THE LAYMAN — This course will provide an introduction to, and demonstration workshop on, plastics for craftsmen, boat and furniture builders, artists and hobbyists. The class

will meet every Monday, beginning March 16, from 7:00 to 10:00 p.m., for ten weeks. Jeffrey Bayer, Professor of Sculpture at UAH, will instruct the course which is limited to 12 students.

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2. Cars

FOR SALE—1965 Mustang, dark blue, white leatherette upholstery, air conditioning, power steering, auto, V8, one owner, bought new in Huntsville, extra low mileage, phone after 4:30. 852-2063. 1mc

3. Miscellaneous

BARGAINS: Storm Windows \$6.95; Paint \$1.95; 2x4 studs 49c; Doors \$3.95 up; Peg Board and hard board \$1.25 up; cabinet tops \$1.95 ft. up square ply-wood cheap. Dixie Surplus and Salvage 8402—Whitesburg Dr. phone 881-8370. 3-18 c

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5. Houses, Lots - Sale

FOR SALE—5 acres land, small house, good barn, smoke house, other outbuildings, some individually fenced lots, city water in house, well water at barn, also pond in pasture. This property is located 3 miles Southwest of Hartselle next to Mt. Brook Sub. Can be bought right. Call 784-5955 for appointment. 1mc

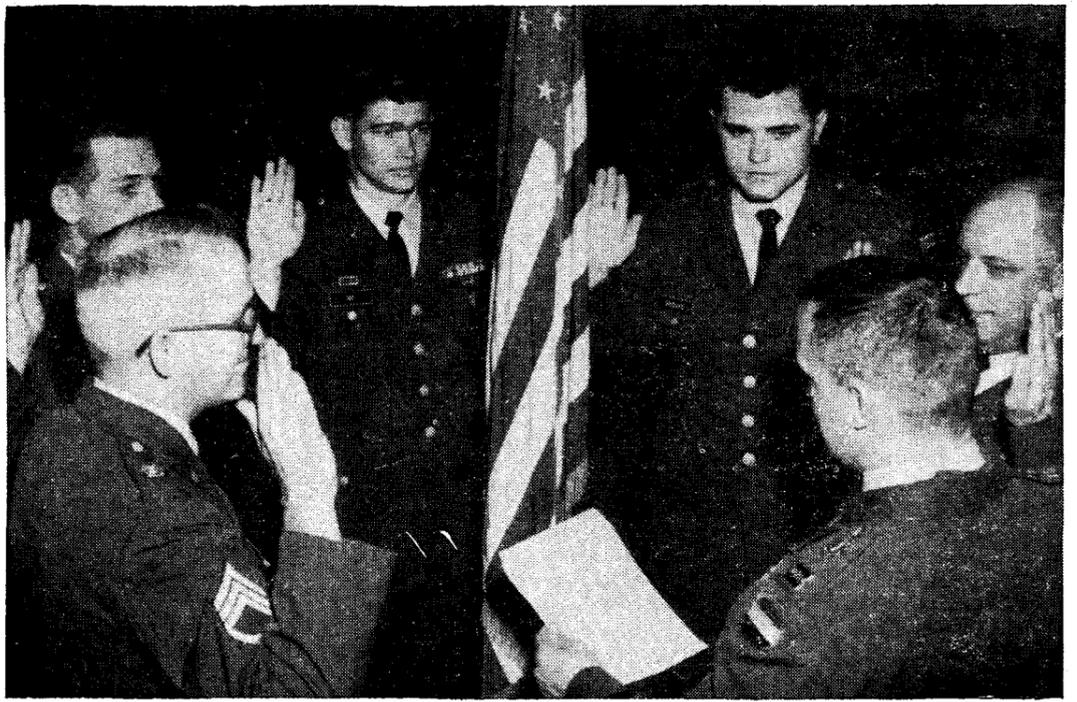
FOR SALE—Nice 2 bedroom masonry and frame, 1 bath, large den, large enclosed screened porch, sundeck, all of house carpeted except kitchen, in Honey-Comb Valley, nice wooded lot with water rights, will sacrifice for quick sale, \$10,000.00. Call Cornelius Real Estate, Guntersville, Ala. Phone 582-3027. 3-11 c

MADISON New 3 bedroom, den, 2 car garage, priced well below Government Appraisal. Call McFerrin Realty Co. 536-1737. 3-11 c

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6. Pets

WANT A FAMILY PET? — Support your local Greater Huntsville Humane Society, adopt a kitten or puppy. We have no shelter and these pets need a home now, just call 536-2481. 1mc



FIVE IN ONE—CPT. Wayne M. Blackburn, lower right, commander, Co. B, MMCS, reenlists five members of his company. The reenlistment represented 19 years future service in the Army. Clockwise, from the left, the reenlistees are SSG Robert Hindman, three years; MSG James Rispsch, three years; SFC Herbert Igo, three years; SP5 Mike Packard, a first term took four years and SSG Orvil Sears who took six years. Co. B led School Brigade units in reenlistments for January and February.

Theater Schedule

WED., March 11
"Where It's At" (R)
THUR.-FRI., March 12-13
"2001: A Space Odyssey" (G)
SAT., March 14
"Invasion of the Astros" (G)
SUN.-MON., March 15-16
"Funny Girl" (G)
INCREASED ADMISSION: adults \$1.00, children 50c
Showings at 5:45 and 8:30 p.m.
TUE., March 17
"A Black Veil for Lisa" (R)
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- 1967 CHEVROLET CAPRICE \$2095.00
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- 1966 PONTIAC Tempest Sprint \$1395.00
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- 1965 FORD L.T.D. \$1295.00
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- 1969 VW SEDAN Automatic \$1995.00
Beige with leatherette interior, radio.
- 1969 VW SEDAN \$1795.00
White with red interior, radio.
- 4 — 1968 VW SEDANS \$1595.00
Colors: Dark blue, red, white, light blue. All have radio, leatherette interior, wheel covers.
- 1968 VW SEDAN Automatic \$1695.00
Dark green with radio, leatherette interior.
- 1967 VW SEDAN \$1445.00
White with black interior, radio.
- 3 — 1966 VW SEDANS \$1295.00
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NAMES IN THE NEWS

By SFC Ben Casey



**MAJ. SALMON
ZD. BN. CO.**

Troops of the 2nd Bn. welcomed their new commander Friday at a change of command/awards ceremony at the Bn. Hq. Maj. Joseph F. Salmon of Scotia, N. Y., assumed command of the unit from Maj. W. B. Whipple. Maj. Salmon comes to the unit from assignment with the Ordnance Center and School, Aberdeen PG, Md. He has served in Vietnam with the 1st Log. Command where he earned the Bronze Star Medal and the Army Commendation Medal with Oak Leaf Cluster. Maj. Salmon is a graduate of Syracuse University and holds the bachelor of science degree in Production Management. He earned his commission as a second lieutenant as a ROTC graduate in 1961 and attended the Infantry Officer course at Ft. Benning, Ga. At the same ceremony members

of the 2nd Bn. were honored for their outstanding service. Two Army Commendation Medals (ARCOM) were received and Letters of Commendations, unit awards and Certificates of Achievements. Receiving the Army Commendation Medals were LSG Odell Oakman and SSG James D. Withers. LSG Oakman, newly assigned to the command, received the Second Oak Leaf Cluster to the ARCOM for meritorious service while assigned to Hq. USARIS, Okinawa. SSG Withers got his medal for meritorious service as Signal Inspector, Hq. Third U. S. Army, Ft. McPherson, Ga. The Army Air Defense Command Certificate of Achievement was presented to PSG Robert A. Peterson for outstanding service while stationed at Ft. Bliss, Tex., while SGT Kenneth D. Kroesser received a Certificate of Achievement for meritorious service while serving with 108th MI Group, Ft. Devans, Mass.

The Blood Donor Trophy for 1969 was presented to 7th ETC for achieving the largest contributions toward the blood drive during the year. The unit totaled 787 participants, winning the trophy six out of 12 months. The 5th ETC was also cited for its participation in the blood program. With 86 participants, the unit won the trophy for the month of February. It was also named the best unit in the battalion for achieving the highest overall rating during inspections in the areas of barracks cleanliness, bar-

racks maintenance, area police, administration and overall company operations. Not to be outdone, the 7th ETC walked away with the battalion Soldier of the Month competition when PFC Michael L. Baker was selected to represent the battalion at the MMCS competition.

No-AWOLS

For quite some time the 7th ETC was known as the "No-AWOL" unit in School Brigade. In fact, it was the only No-AWOL unit. Well, move over 7th ETC, make room for some one else. Co. B, 1st Bn., has moved into the elite circle as of 2400 hours March 7. At that time the unit had no AWOLS since the same date a year ago. Congratulations Co. B. The unit commander is CPT Wayne M. Blackburn and the First Sergeant is 1SG Paul Worley. What's the secret? Probably good leadership.

New Arrivals

Welcome aboard. The following NCOs have joined the staff of this \$100 million training center: 1SG Odel Oakman, 1st ETC; SFC J. C. Lugo, instructor in the HAWK Div.; and SFC John Walsh, 249th Ord.

Retirements

While we welcome new members to the command, we also say so long to others. Those scheduled for retirement this month are SFC Charles D. Butler, Ofc of Secy.; SFC Earle C. Griffin, Jr., LCSS Br., CSM Div.; SFC Earl R. Hayes, HAWK Div. and SFC Barney L. Newsom, Jr., Missile Components Division.

While we're on the subject of welcomes and good byes we might mention that MSG Milton A. Morehead, Ofc of Info., has returned to duty after a short illness and treatment at the RSA and Walter Reed Army Hospitals.

3rd Battalion News

Is there any other unit in 3rd Bn. besides 3rd ETC? Well, at least this week, there seems to be only the 3rd. At the battalion awards ceremony held last Friday,

the unit waltzed away with every battalion award in the book. To begin things the unit was named the Battalion Honor Company. It was the sixth consecutive time that the unit has won the honor. The battalion representative to the MMCS Soldier of the Month competition is from 3rd ETC. He is PFC James W. Fox, a student in Sergeant Structures and hails from Towanda, Pa. Aside from being a sharp soldier, he is also one of 3rd ETC's top bowlers. The Category II Blood Donor's Trophy was presented to you know who, 3rd ETC, of course.

Two Good Conduct Medals were presented during the ceremonies. The medals went to SP5 Marshall S. Mitchell and SP5 Gary Campbell, both members of—yes you guessed it—3rd ETC. Students in the Nike HIPAR course, Mitchell is from Edgewood, Md. and Campbell hails from El Paso, Tex.

In case you're wondering, 3rd ETC is commanded by CPT Roderick M. Ruthven III and the First Sergeant is 1SG Robert A. Harlow.

**IEEE To Hear Lectures
By Dr. A. E. Bryson**

Instead of a regular monthly meeting, the IEEE Professional Group on Automatic Control has arranged with Optimal Data Corporation to present a series of recorded lectures on "Applied Optimal Control" by Dr. A. E. Bryson, Stanford University and Dr. Y. C. Ho, Harvard University.

The lectures will be on March 17, 19, 24, 26, and 31, from 7:30 to 8:30 p.m. in Room No. 110 of the Graduate Studies Building at The University of Alabama in Huntsville. There will be a charge of one dollar each session to cover costs of tape rental and all interested persons are invited.

The presentation provides a guided tour of the text "Applied Optimal Control" by Bryson and Ho. A complete set of slides synchronized with the lectures will be shown.

ATTEND

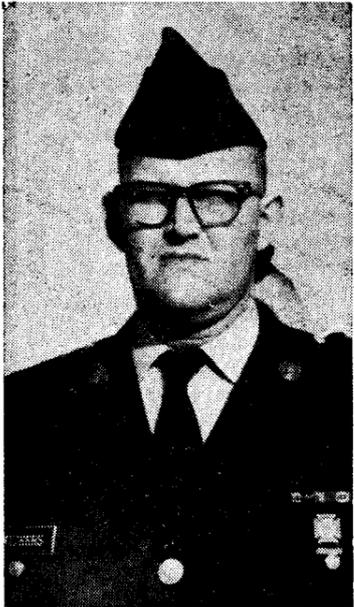
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6.95-14	31.25	15.62	35.75	17.87	1.96
7.35-14	32.50	16.25	37.00	18.50	2.04
7.35-16	32.50	16.25	37.00	18.50	2.08
7.75-14	34.50	17.25	39.25	19.62	2.19
7.75-15	34.50	17.25	39.25	19.62	2.18
8.25-14	37.75	18.87	43.00	21.50	2.32
8.25-15	37.75	18.87	43.00	21.50	2.35
8.55-14	41.50	20.75	47.25	23.62	2.50
8.55-15	41.50	20.75	47.25	23.62	2.47
8.85-14	46.25	23.12	52.50	26.25	2.64
8.85-15	46.25	23.12	52.50	26.25	2.75
*9.50-14	47.75	23.87	54.50	27.25	2.88
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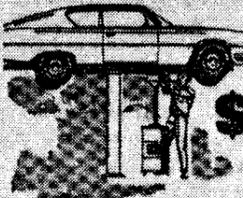
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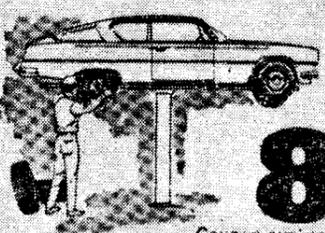


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