

The Redstone Rocket

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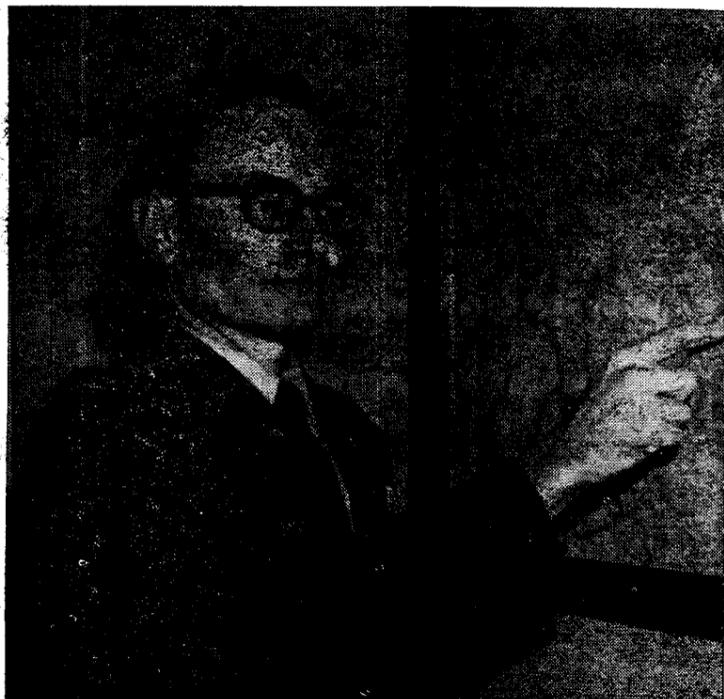
REDSTONE ARSENAL, HUNTSVILLE, ALABAMA 35809

JANUARY 14, 1970

Arsenal-Wide

Spot News

Dial 112



COL. LOUIS W. HASKELL, JR.

Col. L. W. Haskell Heads Missile Intelligence Unit

Col. Louis W. Haskell, Jr. arrived at Redstone last week for his new assignment as head of the Missile Command's Missile Intelligence Directorate. He came from the Office of the Assistant Vice Chief of Staff, Department of the Army at the Pentagon where he was a strategic weapon systems analyst.

The son of an Army officer, Col. Haskell was born in Honolulu, Hawaii, and attended high schools in Fayetteville, N. C. and Mt. Hermon, Mass. He is a 1948 graduate of the United States Military Academy, and he is also a graduate of the Command and General Staff College.

Among his key assignments were duty in Vietnam command-

ing the 2nd Battalion, 35th Artillery (155mm SP) and with Headquarters, I and II Field Forces; Headquarters, the North American Air Defense Command, Colorado Springs, Colo.; and the Korean Military Advisory Group, Korea. Shortly after his graduation from the Military Academy, he was assigned in Austria with the 510th Field Artillery Battalion.

He and his wife, Becky, share the hobbies of fishing and American Indian Archaeological work.

Col. Haskell's decorations include the Legion of Merit earned in Vietnam; the Joint Service Commendation Medal awarded at Colorado Springs; and the Army Commendation Medal with Oak Leaf Cluster.

School Publishes Slang Dictionary

"This morning I'll give you a final rundown on maintenance procedures for this bird and then turn you loose to find the bug in it. If you run into a stone wall, don't press the panic button. Re-check the poop sheet and then see if you can hit the nail on the head."

This statement might not seem unusual to the average American student at the Army Missile and Munitions Center and School. But a foreign student tackling American slang for the first time might well believe that somebody has bats in his belfry — however that thought might come out in French, Arabic or Chinese.

Accordingly, the MMCS Foreign Liaison Office has compiled a booklet of popular American slang phrases and idioms for its students from 34 foreign nations. Most have only a year or so of experience with the language, largely in technical words and phrases.

The preface to the little booklet which can fit into a shirt pocket quickly gets to its purpose. It points out that there is no known school that teaches slang and that the American people are constantly manufacturing new phrases to help them express their feelings.

The booklet contains 457 examples selected as being those most commonly used in the American language. Most of the definitions are related to military use.

Page one faces the problem of "ace in the hole" and explains to non-poker players that adequate reserve forces give a General just that.

Thereafter, for 72 pages, the booklet boldly defines for the benefit of Saudi Arabians, Turks, Greeks, Danes and many others such hard-core Americanism as: to buffalo, chew out, end run, gimmick, to haywire, miss the boat, nitpick, off base, snafu, up to snuff and yak-yak.

The editors hope that the booklet will help the foreign students to cut the mustard in the English language.

Gen. Westmoreland Sets ROA Talk Friday Night

Gen. William C. Westmoreland, who will fly into Redstone Arsenal Friday, is the first Army Chief of Staff to visit here since Gen. Lyman L. Lemnitzer came to Alabama with President Dwight Eisenhower back in 1960.

Gen. Westmoreland will be guest speaker Friday night at the Huntsville Chapter meeting of the Reserve Officers Association.

More than 550 military and civilian members and guests are expected to attend the annual "Army Night" meeting which will begin at 6:30 p.m. at the Redstone Arsenal Officers Open Mess.

While here, Gen. Westmoreland will tour facilities and will be briefed on missile activities at both the Army Missile Command and the Missile and Munitions Center and School.

The former Commanding General of Army forces in Vietnam will arrive at Redstone Army Airfield at 12:45 p.m. Friday. There, he will be welcomed by Maj. Gen. Edwin I. Donley, Commanding General of the Missile Command, and will be given military honors.

After a press conference at 1 o'clock, the general and his party will undergo briefings and will tour Army facilities at Redstone.

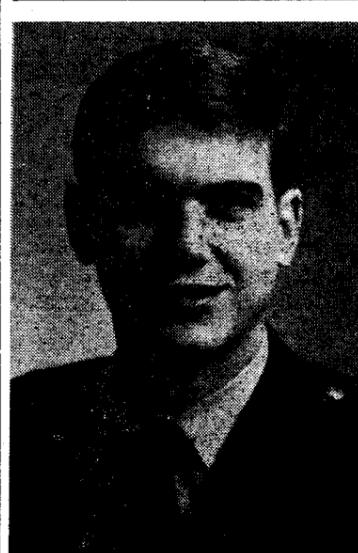
Among guests expected to attend are:

Lt. Gen. Albert O. Connor, Commanding General, Third U. S. Army; Maj. Gen. William J. Sutton, Chief Army Reserves; Maj. Gen. Edwin I. Donley, Commanding General, Missile Command; Maj. Gen. Ray D. Free, National President of ROA; Maj. Gen. H. B. Hanson, Jr., Commanding General, 87th Maneuver Area Command; Brig. Gen. Leonard S. Woody, Commanding General, 121st Army Reserve Command; Col. John T. Carlton, Executive Director, ROA;

Huntsville Mayor Joe W. Davis; James R. Record, Chairman, Madison County Board of Commissioners; Will L. Halsey, Chairman, Huntsville Army Advisory Committee and Harry Rhett, Jr., Chairman, National Aeronautics and Space Administration Advisory Committee.

Don M. French (USAF Reserves) is president of the Huntsville Chapter, ROA, and Paschal E. Redding is program chairman.

Gen. Westmoreland and his party will leave Redstone Friday night.



LT. DENNIS N. O'CALLAGHAN

LT. O'CALLAGHAN IS AIDE-DE-CAMP

2/Lt. Dennis N. O'Callaghan has been named Aide-de-Camp to Brig. Gen. George H. McBride, Deputy Commanding General, U. S. Army Missile Command.

He replaces Lt. Stephen L. O'Keefe who is leaving active military duty.

A native of Knoxville, Tenn., Lt. O'Callaghan came to Redstone Arsenal in May 1969. His most recent assignment here was as Missile Maintenance Officer at the Supply and Maintenance Directorate.

The new aide is a graduate of the University of Tennessee with a BS Degree in Industrial Management. Among hobbies he lists hunting, fishing and basketball.

He is married to the former Sandra Kay Crawley, also of Knoxville.

Blood Donations Largest Ever By Military, Civilians

Over 11,000 volunteer donors answered the continuing Red Cross appeal for blood donations in 1969 and they contributed almost 10,000 pints of blood to be used for emergency operations and scientific purposes.

Red Cross personnel processed a total of 11,342 voluntary donors in their semi-monthly visits to Redstone, and left the Arsenal with 9,786 pints of blood.

It was the largest total yearly donation by Arsenal personnel with every military unit and civilian organization contributing to the record that almost doubled the monthly quota of 500 participants.

A steady flow of volunteer donors passed through the Red Cross collection centers at Building 7110 and the Service Club with the monthly total ranging from a high of 1170 in February to a low of 767 in November.

June and August also saw more than 1,000 Arsenal personnel answering the appeal with the Missile and Munitions Center and School showing the way for the outstanding record.

The Missile School surpassed its goal in each of the twelve months with the 405 participants in November almost tripling the quota for the month of 145.

The 7th Enlisted Training Command captured the military award for the year among the organizations with 100 or more personnel. The category two award for units

with less than 100 assigned personnel was claimed by the 200th Ordnance Detachment.

Awards for outstanding civilian participation are awarded quarterly in two categories. Those organizations with over 500 personnel and those with less than 500.

The Supply and Maintenance Directorate captured the Category I plaque for the last two quarters of the year while the TOW Project Office was the last quarter winner of the Category II award.

Surcharge Tax Is Down, Health, Retirement Up

A reduction in the income tax surcharge will just about offset two payroll deduction increases and result in very little overall change in the take home pay of Arsenal civilians.

Lewis Avcock, deputy MICOM Finance and Accounting officer, said the new surcharge rate and the increased deductions for health benefits and retirement, are effective with the pay periods ending Jan. 3 and 10. The changes will be reflected in checks being distributed this week and next, respectively.

The income tax surcharge, which has been ten percent, was lowered to five per cent by the recently enacted Tax Reform Bill. The reduction is applicable to military as (See SURCHARGE on Page 3)



COL. HOLSTON RETIRES—Maj. Gen. Edwin I. Donley (right), Commanding General of the Army Missile Command, presents to Col. Alfred Holston the Legion of Merit (First Oak Leaf Cluster). Mrs. Holston joined her husband for the ceremony at Redstone Arsenal. The colonel, who has retired from active military duty, was cited for "... exceptionally meritorious service as Director of the Missile Intelligence Directorate from Dec. 1967 to Dec. 1969."

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

Honor is like an island, rugged and without a beach; once we have left it, we can never return.

—Nicholas Boileau-Despreaux

Get Out Of The Way!

All motorists on Redstone Arsenal should be alert for emergency vehicles, and they should be prepared to yield right of way to them as they are en route to their calls.

"It is against the law for a driver to refuse right of way to such a vehicle," said LTC Dale Hamilton, Jr., Provost Marshal of Redstone Arsenal.

"Whether it is an ambulance, police car or fire truck, a delayed emergency vehicle could result in loss of life and property."

There are some common reasons why motorists fail to yield right of way to an emergency vehicle:

- Inability of the driver to hear the siren because of the interior noise level.
- Failure to see warning lights in the rear view mirrors.
- Inability to pull to the right curb of the road in safety.
- Inability of the driver to react due to panic.

"Seldom has any motorist on the Arsenal refused to yield right of way to an emergency vehicle willfully," said Col. Hamilton. "A military policeman, a fireman or an ambulance driver on the Arsenal is not going to run over some poor motorist who can't find a place to pull over. If a driver is caught where it is not safe to pull over and the emergency vehicle cannot pass, he should continue along the road until he finds a place where he can pull over safely."

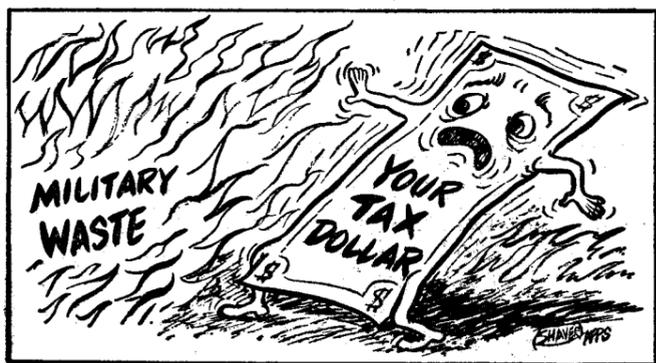
Be a careful driver, driver; don't turn the radio up so loud; pay attention to your rear view mirror, and above all WATCH FOR EMERGENCY VEHICLES!

Conservation Means Money

Being a conservative these days is much more than a political trend. Webster may not agree with our definition of the word "conservation"—but to the U.S. Armed Forces it also means M-O-N-E-Y.

How? Through simple thoughtfulness. Military conservationists save our Department of Defense millions of dollars every year. Why can't we help them?

There are literally thousands of ways of applying conservation methods to our daily routines, and there are plenty of signs around if we only look for them. Many go unnoticed because we've seen them so many times before. Example: "Watch your step." "Put the light out!" "Drive carefully." "Don't let that faucet drip." "Beware—high voltage." The list is endless.



But, how does a "Watch your step," sign save money? It's easy. A broken leg, arm or hip takes weeks to heal. It also requires hospitalization. You can't work, but the Government still pays you. Your hospital care also costs money.

On the brighter side, if you don't get hurt, the money you save in other areas of conservation is a help to the Department of Defense.

To stress the point a little—if each man and woman in the military services were to save our Government just one cent a day—that totals a whopping \$12,775,000 annually. And, in the current vernacular, "That will buy a lot of hay."

So, be a conservative, pick up that piece of trash, put that light out, don't smoke in bed, stop that leaky faucet; just contribute your fair share each day to stop waste in any area you can think of. That's not asking too much of anyone.—AFPS

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VIEWING POSTHUMOUS AWARDS—Maj. Gen. E. Donley, Missile Command Commanding General, shows Mrs. Martha Darwin the posthumous awards for her husband, PFC James D. Darwin. Included are the Bronze Star Medal and the Bronze Star Medal with "V" device which Gen. Donley presented in recognition of PFC Darwin's heroism against hostile forces in Vietnam where he was killed. Other awards are the Purple Heart, the Good Conduct Medal, the National Defense Medal, the Vietnam Service Medal, and the Vietnam Campaign Ribbon.

Dental Staff Advises: Smoking Causes Cancer

(This is the second in a series of four articles on dental health published by the Redstone Rocket, in cooperation with the Arsenal Dental Clinic, in observance of National Children's Dental Health Week, February 1-7.)

My dentist has recently joined the list of people, including my physician and my wife, who are trying to have me stop smoking. Why should my dentist be concerned about smoking?

Dentists have a very real concern with smoking and its harmful effects. For example, we know that cigarette smokers have about four times the risk of death from oral cancer that non-smokers do. Some 15,000 new cases of oral cancer are reported each year, and about two out of three of these people will be dead within five years.

The fact that cigarette smoking is a very serious health hazard is no longer disputed in informed circles. Twenty years of research—laboratory, clinical and epidemiological—have given sound foundation to this conclusion. Of particular relevance to dentistry are findings relating to the smoking of cigarettes, including pipes and cigars, to the development of oral cancer and other abnormalities of the oral tissue.

Oral cancer is one of the most malignant of all cancers. Only persons with lung and stomach cancers have lower survival rates than those with oral cancer. Frequently, oral cancer is painless until it is too late for treatment. Even when oral cancer is treatable, the treatment is often disfiguring.

Stop smoking entirely is one way to help prevent oral cancer. Also, you should see your family dentist at regular intervals so he can check for possible malignancies, as well as for dental problems.

If you are concerned about smoking and oral cancer, see your family dentist. Early detection and treatment of oral cancer are essential to effective cure. You should watch for the following signs of possible malignancies:

1. A swelling in the palate or

other intra-oral areas.

2. Persistent red spots, particularly in the floor of the mouth.
3. White patches on oral tissues.
4. Unhealed ulcerations on the lip or in the mouth.

But the best advice is: Give up smoking. The hazards far outweigh the pleasures of smoking.

AVE MARIA GROTTO

The Service Club has scheduled a tour to Ave Maria Grotto, Saturday.

The Grotto, located on the campus of St. Bernards College in a 40 acre park designed to provide a natural setting for 125 miniature reproductions of famous buildings in Jerusalem and the Holy Land, Roman landmarks, Spanish Missions and the famous Shrines of Our Lady, Fatima and Lourdes.

The bus will leave the Service Club at 11 o'clock.

HOME AND GARDEN

Sarah Sullivan will demonstrate decorating with pods and cones at 10 a.m. Tuesday for the Redstone Home and Garden Club sponsored by the Officers Wives. They meet in the Redstone Officers Open Mess on the third Tuesday of each month.



IDEA PAYS OFF—Avis Lang, of the Hawk Project Office, was recently rewarded for her submission of a worthwhile suggestion with a \$655 cash award. Mrs. Lang's suggestion resulted in the use of a one-year requirements type contract for the interior painting of Post Family Quarters in lieu of several contracts. The Albertville native submitted the suggestion while employed by the Post Engineers.

MARINE WIVES COFFEE

Wives of Marines, both enlisted and officers, are meeting today at 10 a.m. for Coffee at the Redstone NCO Open Mess.

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Most Of Career Training Remains In Huntsville Area

Career development training has a definite local accent this week with 21 of the 32 civilians selected for classroom study remaining at the Arsenal or in Huntsville for their courses.

Half of the overall total are enrolled for an introductory course in Radar Systems at the University of Alabama in Huntsville. Four others are taking classroom work at the Missile and Munitions Center and School and another is spending the week in Huntsville for work with the Optimal Data Corporation.

The training is made available under the Missile Command's career development program administered by the Training and Development Division of Civilian Personnel.

Those spending the week at the Huntsville campus of the University are: Doyce Satterfield, Ollie Bryan, William Dobbs and Charles Hussey (R&E); Hershel Trantham, Vernon Stallcup, Richard Burton, James Kofsky, James Asquith, Durrell Hicks, John Kmetz, Joseph Thompson and Paul Byrley (M&I Intel); Thomas Leech and Samuel Wolin (SAM-D); and Hoyte Johnson (P&P).

At the Missile School for two weeks are: Helen Nixon, Marshall White and George Makima (MMCS) and Betty Alberts (S&M). They are enrolled for the Missile Systems and Ammunition Logistical Support Orientation.

James Thacker (R&E) is spending four days at ODC for Analog Computer Simulation Techniques.

Another quartet left for Ohio this week to spend ten weeks at Wright-Patterson AF Base where they are attending the Management course at the Defense Weapons System Management Center. They are John Pettit and William Murray (Mars II), Marcus Whitfield (ABMDA) and Virgil Allen (SAFSCOM).

Edward Vaughn (SAFSCOM) is at the Defense Information School at Fort Benjamin Harrison for the Public Affairs Seminar and Lillian Reissman (TOW) spent two days in Los Angeles for Secretarial Techniques with the Civil Service Commission.

William Billingley (Metrology) is spending the week at the Army Management Engineering Training Agency, Rock Island, Ill., for a course in Evaluation of Producer's Quality Programs.

At Williamsburg, Va., this week are F. J. Buckley (Ch Counsel) and Herman Libbe (S&M). They are attending the Advanced Management Seminar with the Civil Service Commission.

Completing the training list for the week are two Missile Command civilians who are taking post graduate level courses at the University of Oklahoma.

Donald Bollenbacher (Shillelagh) is studying Developmental Theory and James Stewart (DASO) is attending the Natural Science Seminar.

Civil Service Needs Card Punch Operators

The Interagency Board of U.S. Civil Service Examiners for North Alabama has issued a new announcement for Card Punch Operator, GS-2 and GS-3. The starting salaries are \$4360 and \$4917 a year.

The qualification requirements for these positions have been revised. Applicants must pass a written test, a performance test (or furnish a proficiency certificate), and have specified amounts of education and/or experience. The minimum requirement is six months of appropriate experience or graduation from high school.

Applicants with three months of experience in operating card punch machines may waive the written and performance tests.

Persons who have an eligible rating under previous announcements must reapply to receive continued eligibility.

Most of these positions will require shift work.

For further information concerning this announcement, contact the Federal Job Information Center, 806 Governors Drive, S. W., Huntsville, 35801.

Radial Tires Could Cause Accidents

A radial tire is considered one of the contributing factors in a recent private motor vehicle accident which resulted in the death of a U.S. Air Force airman.

According to safety officials, the "death" vehicle was equipped with a radial tire on the right front wheel and conventional tires on the other three wheels.

This combination most likely, report safety officials, caused the automobile to enter a skid, ultimately causing the fatal accident.

Leading trade magazines and bulletins distributed by major tire companies emphatically warn that mixing radial and conventional tires is very dangerous.

Without exception, they agree that radial tires should be installed on all four wheels and recommend an additional radial tire as a spare.

If only two radial tires are installed on a vehicle, tire officials state, they should always be placed on the rear wheels. Radial tires should never be installed on the front wheels with conventional tires on the rear.

This is because of the positive gripping action of radial tires. With radial tires mounted on the front wheels and conventional tires on the rear wheels, a severe skid could easily result.

(Editor's Note: The above ADC-PS editorial was adopted from the Norton AFB Calif., Globetrotter and printed in the GEEIA News, Griffiss AFB, N.Y.)

GEORGIA TECH MEET

The Huntsville Georgia Tech Alumni Club will hold its Winter Meeting in the Russel Erskine Hotel Ballroom, downtown Huntsville, January 22 at 6:30 p.m.

The speaker will be Coach Jack Griffin, assistant varsity coach.

All alumni, wives and guests are invited. For reservations phone Paul Butler at 881-1627 or Bill Glass at 536-6980.

Lance Goes To Arctic For Testing At Fort Greeley

Can the Army's Lance missile—and soldiers who man the equipment—survive and do their job effectively where temperatures often plunge to 40 below zero?

That's what the Army is trying to find out at Fort Greeley, Alaska, where arctic tests with the long-range battlefield missile system have just begun.

At a site near Fairbanks, Lance ground support equipment and a missile, in deep snow and bitter cold, are undergoing rugged op-

erational tests which include overland driving, hill-climbing maneuvers and simulated firings.

Later, at least one missile will actually be fired.

Purpose of the tests, the Army said, is to determine how effectively Lance equipment and soldiers can operate under extremely cold weather conditions.

Lance already has undergone a variety of environmental tests under desert and tropic conditions.

Conducting the tests are soldiers from the Artillery Board at Fort Sill, Okla., under supervision of the Army Missile Command — which manages the Lance program at Redstone Arsenal, Ala. — and LTV Aerospace Corporation, prime contractor.

Representing the Missile Command are Lt. Col. R. J. A. Smith, Lance operational test manager, and Tom A. Crick of the Test and Reliability Evaluation Laboratory of the Missile Command's Research and Engineering Directorate.

Col. A. F. Pottle, Jr., is Lance Project Manager.

Lance is a highly mobile and accurate weapon system designed to place strategic fire on enemy troop concentrations, supply depots, transportation routes and similar targets. Capable of being delivered by helicopter or air-dropped by parachute, the missile can be fired from its own self-propelled launcher or from a lightweight truck-towable launcher.

Lance can be set up and fired rapidly by a team of only six men.

SURCHARGE

(Continued From Page 1)

well as civilian pay checks.

Employee contributions to the Civil Service retirement fund are being increased from six and a half percent to seven per cent, and the health benefits deductions are up under almost all of the available group insurance plans.

The new rate schedules were distributed by Civilian Personnel at the start of the open season in November.

FOLK SINGERS TO BE HERE

Jan Elkins and Janice Mountcastle, folk singers, will entertain during coffee hour at the Service Club on Sunday January 18.

Jan and Janice have performed at military bases in the east and have become popular with the local EM.

Coffee time at the Service Club is 7 o'clock on Sunday evening.

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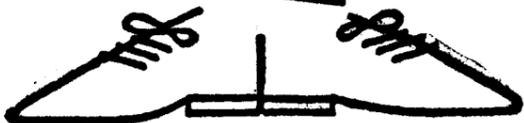
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DR. JOHN McDANIEL

The names John McDaniel, Paul Schaeppi and A. A. Stewart are synonymous with Research and Engineering, Procurement and Production, and Supply and Maintenance respectively at the Missile Command.

They've seen missiles born, bought and supported during the last decade, and they face the 70's with determination to do all of these things with greater efficiency and less money based on the experience of the last 10 years.

McDaniel, who received his Doctor of Science degree during the 60's, reminisced on his directorate's accomplishments, and the events that marked the era.

"It was a decade that saw the Army Ballistic Missile Agency and the Army Rocket and Guided Missile Agency combine to form a blend of ballistic and guided missile competence," he said.

"Training of technical personnel was built up to keep people abreast with technology—the state of Alabama came along and kept pace with us through establishment of the Research Institute and the University of Alabama, Huntsville. We want to keep our people aware of what is happening in their professional fields so they won't 're-invent the wheel' so to speak."

In the Research and Engineering laboratories, microminaturization was significant, and really rapid progress was made in high burning rate propellants. The whole business of solid state physics was incorporated in research on lasers.

One of the directorate's ideas born in the '60's is the "lead lab" concept. This concept provides a necessary interface with vertical management. Under this plan, each lab is given the responsibility for certain projects and that lab coordinates work with other labs in the directorate. "I hold the 'no' answers for myself, and it has worked pretty good," McDaniel said.

"Another plus we chalked up in the last decade is the single element funding under which the Department of Defense and the Department of the Army gives the directorate a lump sum to allow the technical director to fully manage his programs.

"And one of our accomplishments is the Army Missile Plan which ties together user requirements, technology and the current operational systems with a view of determining how to allocate money and manpower for new systems. The Plan has become a classic as it affords maximum responsiveness to questions from Washington, and maximum flexibility to our labs. Every new missile system and what it takes to get there are in the Plan."

Thinking over the past and future for Research and Engineering, McDaniel emphasized that, "Our aim is to keep a critical mass of people, money and knowledge in the directorate.

"Coming into the new decade, we must stress simplicity and ruggedness. We need a whole new system of conventional engineering to bridge the gap between scientific engineers and scientists.

"We must learn to put some discipline into requirements for new weapons systems to produce something the combat soldier can use. We've got to realistically put together technology, reliability and simplicity. We've got to be proud of developing weapons for soldiers, be proud of the Army, and we've got to produce Army missiles!"



PAUL SCHAEPPI

Another phase of the Missile Command mission is the Procurement and Production Directorate where Schaeppi said that during the past decade procurement practices became more complex and new responsibilities were added as the 60's rolled along.

He recalls that "In the early 60's we received requirements from one source. Now we get them from 12 to 20—the project and product managers—and the contracts must vary according to the peculiar requirements of each."

"Then too," he said, "the requirements for competition have created an increased load in obtaining documentation in order to compete and to fulfill Small Business goals.

"It's been healthy for the government economy to have these requirements and also to have the limitation on Cost Plus Fixed Fee contracts.

"The requirements for contractors to furnish cost data make it easier for the contracting officers and negotiators to determine the validity of costs."

These are just a few of the policy changes in the 60's that were valuable.

P&P assumed the missile procurement functions of the old Ordnance Districts when they were abolished in the '60's; the Procurement Fair was initiated to give qualified suppliers an opportunity to see first hand what the Army at the Missile Command needed, and to meet procurement experts face-to-face.

An innovation which was the brainchild of people in the directorate was something called AQR.—Accumulative Quantity Requirements—which means that contractors are asked to give the cost of repair part items based on the quantity purchased and then be assured we'll buy from them for two years as the need arises. If we buy one to 10, 10 to 20, and so on up, the unit price decreases as the quantity we buy increases. Using this plan, when a requirement comes in, and a contract of this type is in force for the items sought, the contracting officer knows exactly what we'll have to pay and who has it for sale with-

out going through the whole process of negotiating a new contract.

Strides have been made in production management by using computers to keep a timely check on contracts. A series of standard letters are initiated at appropriate times by the computer, then printed along with an envelope for mailing to contractors. As a result, contract line item delinquencies were reduced from 24.6 percent to 5.6 percent in a year.

These are only samples of the directorate's accomplishments for the '60's.

The outlook for the '70's? Schaeppi expects that everchanging policies and principles will alter the structure of the Directorate as we enter the new decade.



A. A. STEWART

While people in other directorates were conceiving missiles and buying them, those in Supply and Maintenance Directorate were

standing at the point where practically all MICOM mission activities culminate in their final objective—the furnishing of the field soldier using missile equipment with complete logistic support.

"I've seen and been involved in real improvements in support of the customer during the last 10 years," Stewart said.

Although the mission and organization have remained substantially unchanged, the volume, range and intensity of activity have increased many times over. Where about half a dozen missile systems were being supported at the beginning of the '60's, more than 20 are being supported today with the full range of support phases from development through deployment and disposal.

"Our deployments ranged far and wide, from missile systems in a 'warmed-up' state around American cities, to readiness for reaction in the Cuban crisis and for sustained stand-by on Free World frontiers overseas. The Vietnam situation gave the directorate its first experience in supporting our weapons under combat conditions," Stewart pointed out.

"There have been dramatic innovations in missile technology and logistics concepts during the decade which created a vast turnover in materiel as increasingly sophisticated gear came into use, this in turn brought about new methods of supply and maintenance."

"Standard ways of doing things were not always adequate. We faced many situations where we had to improvise or adapt methods to peculiar conditions. For example, a support plan for Vietnam, tailored to the unique conditions of distance, transportation, communications and equipment that existed, was developed and implemented. Today it is known as a Special Supply Support Plan for Guided Missiles throughout the

(Continued on Page 5)

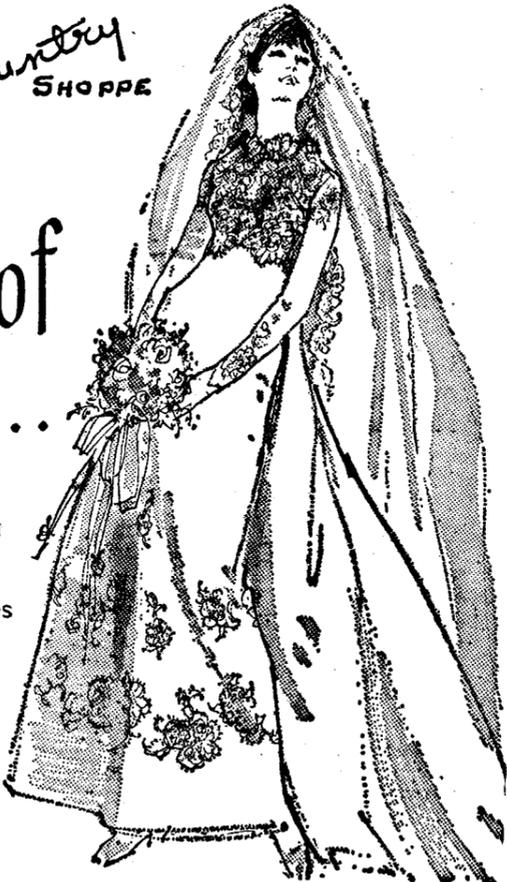
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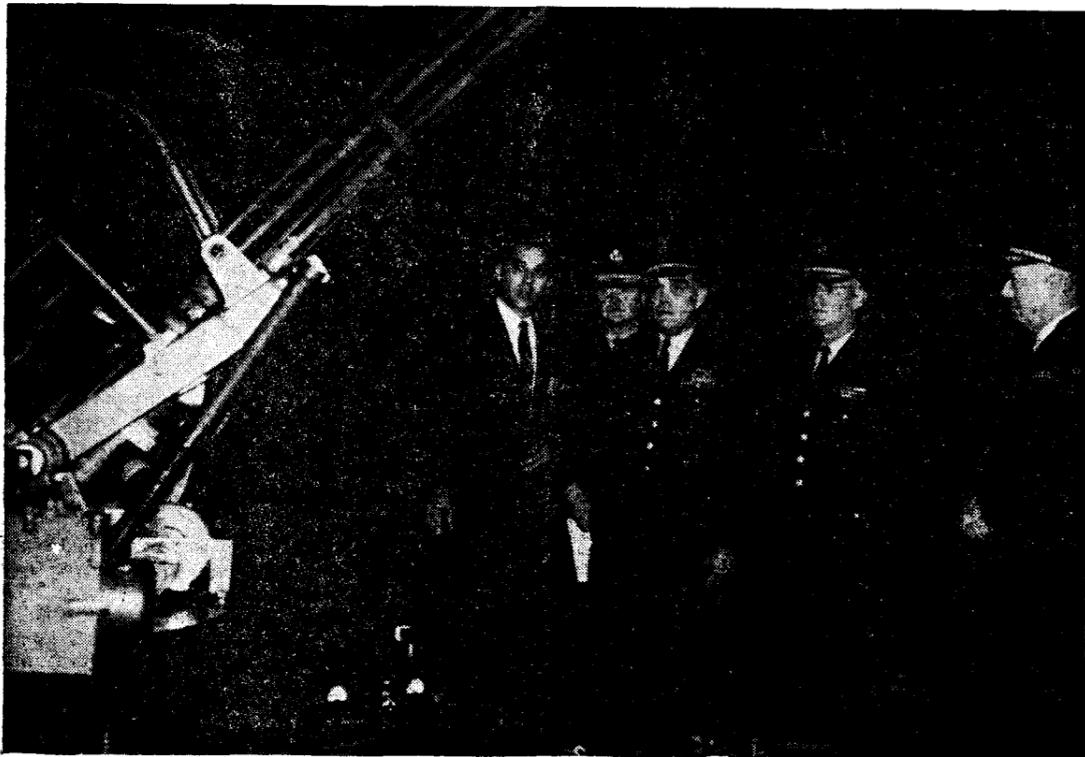
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THREE PIONEERS EPITOMIZE

(Continued From Page 4)



GENERALS SEE VULCAN—The Vulcan automatic cannon which fires 3,000 rounds per minute and is now teamed with the Chaparral missile to give added battlefield protection is viewed by two general officers at the Army Missile and Munitions Center and School. Third and fourth from left are Maj. Gen. John M. Finn, deputy commanding general for Reserve Forces at Third U.S. Army in Atlanta and Brig. Gen. Leonard Woody, commanding general of 121st Army Reserve Command of Birmingham. Briefing them at left is Leslie Sanders of the MMCS Combat Support Division while Col. Norman L. Holland, director of individual training (second from left) and Col. Paul B. Shuppener, commandant (right) listen.

Army, and has been extended to other areas."

The directorate entered the '60's with a background of computers humming, and reached the '70's with computers reaching a high crescendo.

Advances in computer technology, in automation and other fields were applied to the directorate's business for missiles worldwide.

One computer use which brought attention to the Directorate in the '60's was the application of high speed computer processes in the field of inventory management. Starting from "scratch" in the late '50's the Directorate put together a small team, trained its members and gave them the task of mechanizing the dozens of operations which had grown beyond economical management limits using methods then current.

New and more powerful computers were added during the '60's and the Directorate continued to add many new applications.

Among the innovations arising from computerizing the supply processes was MILSTRIP, or Military Standard Requisitioning and Issue Procedure. In this process applied to all military services, the Government has brought about a reduction in the number of forms and documents used from more than 240 to eight basic forms. A vital feature of MILSTRIP is that it provides more rapid support to the user and provides a ready means for collecting and analyzing data used in compiling reports to be submitted to higher headquarters.

"Of course," Stewart said, "the computers can be only as good as the people who operate them. We've been fortunate that we had

our own people to use them. And without computers, it would have taken twice as many people in some areas to do less effective work."

Before the '60's extensive spare parts listing and lists of tools were prepared manually, but early in the decade, preparation of such catalogues and records was changed to ADP methods. Likewise the quantity of instructions and parts lists to support missile systems is enormous, and the missile technician is all but swamped with manuals he needs to do the job.

In the Army, MICOM has been a leader in the field of using microfilm as a solution to the problem of storing large quantities of maintenance data needed by these technicians housed in cramped quarters of vans. In 1963, S&M took these thousands of pages and reduced them to microfilm, and furnished them to the field as microprints on 3x5 cards.

"Although this is only a sampling of our accomplishments," Stewart said, "it gives some idea of the dramatic events, problems and innovations in management and technology."

"We are happy to have had the opportunity to participate in the events of this dynamic period as they affected MICOM. We have worked hard, learned a lot, and feel quite proud of our contributions to MICOM's role in the '60's."

"In the '70's, changing national priorities, new logistic concepts, faster transportation and communications, and new management ideas and techniques are expected to challenge the ingenuity and determination of logistic people to an even greater degree. It's a challenge, but we view it with optimism."

New Arrivals

PFC and Mrs. Billy W. Earp, boy, Wayne Lee, Dec. 25, 1969.

SP4 and Mrs. Garrett W. Burleson, girl, Lorie Ann, Dec. 26, 1969.

Mr. and Mrs. Clyde R. Moore, boy, Xavier Lamont, Dec. 26, 1969.

SP4 and Mrs. Daniel D. Hoover, girl, Lisa Ann, Dec. 28, 1969.

SGT and Mrs. David L. Battle, Sr., boy, David Lee, Jr., Dec. 28, 1969.

SP6 and Mrs. David L. McNeal, girl, Heidi Lynne, Dec. 28, 1969.

SP5 and Mrs. Ray Martin, Jr., girl, Jeri Lynne, Dec. 28, 1969.

SP5 and Mrs. Gary J. Fay, girl, Whawna Lyn, Dec. 29, 1969.

CPT and Mrs. William M. Kamell, girl, Lisa Christine, Dec. 29, 1969.

AMS1 and Mrs. Russell A. Swartzel, boy, Billy O'Neal, Dec. 31, 1969.

SP4 and Mrs. Melvin J. Weil, twins, girl, Kimberly Bryan, boy, Kameron David, Dec. 31, 1969.

1LT and Mrs. Christian Phillips, girl, Shawnessy Dawn, Jan. 5, 1970.

CPT and Mrs. George R. Hattle, boy, John Robert, Jan. 5, 1970.

SP4 and Mrs. Jerry P. Van Den Berg, Sr. boy, Jerry Paul, Jr., Jan. 6, 1970.

EP5 and Mrs. Gordon R. Van Sickle, boy, Troy Eugene, Jan. 7, 1970.

SAFEGUARD COFFEE

Safeguard officers wives will meet for coffee at 10 a.m. Jan. 19 at the Redstone Officers Open Mess.

Handling reservations are Mrs. Robert Wendt, 837-0639 and Mrs. Charles Moses, 837-5677. Closing date is noon Friday. Cancellations are being taken by Mrs. Dale Gramley, 837-1618. Permanent reservations are in effect.

COMMENDATION MEDALS

Army Commendation Medals have been awarded the following: SP5 Richard L. Craun, SSG James K. Sereby, Capt. Ronald L. Cauble, 1SG Paul Curtin, CWO William H. Jones, 1Lt. Ralph V. English, 1Lt. Dennis M. McLaughlin, 1Lt. William S. Taylor.

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A semi-annual dividend has been declared at a rate of 5 1/2% per annum for the period ending December 31, 1969.

The Board of Directors declared the second-half 1969 dividend payable to members' shares accounts as of January 1, 1970.

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School Brigade Keglers Head For Showdown Duel

Like two planets orbiting off course, the Delta 88s and Co. A are on a collision course for a showdown match that could decide the champion in the Brigade Bowling League.

Nike Track, usually on the short end of the stick, tied one game with Retired to register a three and one-half point win and defending champion Co. C began its march for first place with a four-point slashing of Half and Half.

Co. A ushered in the new year and the second half of league play

with a four-point scuttle of Nuclear Weapons while the 88s managed only three markers from 1st ETC.

The Alpha quint received stellar performances from Richard Sloan, George Mitchell and Ed Gorzynski. Each rolled series of 500-plus with Mitchell registering a 213 game. Benny Rentsch paced Nuclear Weapons with a 525 set and a 201 game.

While Alpha was registering their win, the 1st ETC stunned the 88s in the opener of their match on the strength of Gerald Kempel's 183 game. The 88s, having trouble handling the "weaker" teams of the league came back to take the remaining points. The 88s lead the loop by only one point.

Co. A, the second place team, and the 88s will meet for the second time Feb. 3 in a match that could decide the league champion.

Aaron Davenport struck for 504 sticks with a 204 game to put Nike Track on the winning road while Retired got a 500 performance from Larry Makanani. On opposite ends of the house Chargin' Charlie began their charge with a four point sweep over Half & Half. Frank Holmes and Roy Henderson paced Charlie with a 507 and 518 while J. A. Shirling was the top maple splitter for the losers.

Elsewhere in loop action, James Lloyd earned a 225 Patch in pacing 200th Ord. to a split of its set with 522d Ord. Lloyd rolled a 232 and missed an honor roll set by only 13 sticks. Don Fogle paced 522d Ord.

Three bowlers rolled 500 sets in Co. B's romp over Five Aces, Ninety Four Plus thumped Low Balls 3-1 while UTC and 3rd ETC tied one game with UTC coming out on top taking the remaining points.

GE Shooters Too Sharp For MICOM

It was a case of winning the battle but losing the war for the Missile Command girls as they resumed play in the Huntsville Women's basketball league last week.

The General Electric six, led by the high scoring Peggy Clark, provided the opposition in the first game of the new year. And they foiled the well-laid plans of Coach Jack Bissinger in posting a 71-54 decision over the Civilian Welfare Fund team.

Bissinger's plan was to double team Miss Clark and in that way cut down the GE point production. However, the other two GE forwards very ably filled in the scoring gap with 54 points between them to match the MICOM total. Clark's 17 points provided the winning margin.

Gladys Hill and Joyce Ingram combined for 48 points for the Army girls with the former getting 27. Wyonelle Pennington completed the scoring with six.

Edith Benson and Carole Bissinger had contained the league's top scorer for the past two years with six points through three periods of play as GE held a slim 48-40 lead.

But Benson picked up her fifth foul at the start of the final period and the leaders pulled away with a masterful display of foul shooting.

Race Tightens As Leaders Stumble

A startling reversal of form has all but turned the Comp Center Mixed bowling league scramble from a cake walk into a cliff hanger in three weeks of bowling.

The North Alabama College of Commerce quartet was cruising along with a twelve point bulge over their nearest competitor when disaster struck. But three straight shutouts have left the leaders with a slim margin of a point and a half.

The Gutter Dusters started the reversal and the Bedell Florists made it two shutouts in a row prior to the holiday schedule break.

Last week it was the Main Frames that took a shot at NACC and they found the two week layoff wasn't enough to break the spell and walked off with another four for four sweep.

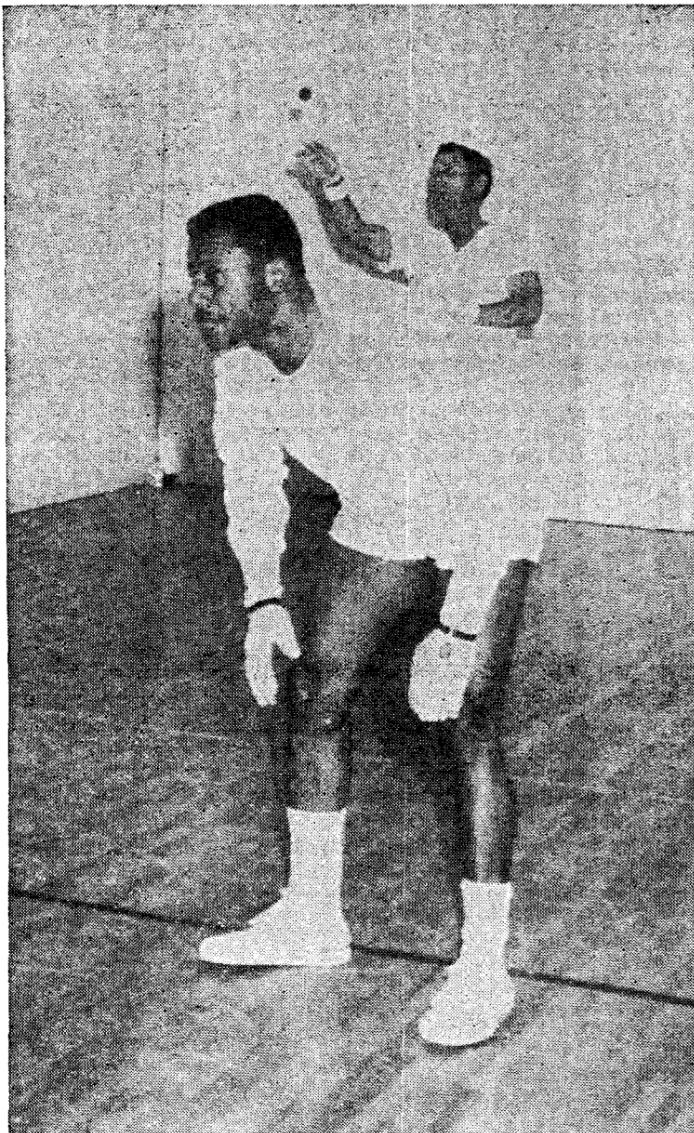
Charles Bagwell was the chief instigator of the latest blank job and he captured individual scoring honors for the week with a ringing 580.

The second place Lucky Strikes overcame a 545 by Ray Baker to get full advantage of the opportunity with a sweep over the Jesters.

The Dusters whipped the Florists, 3-1, as Norm Marsh showed the way with 524 and the Skonks got a 200 game from Bill Jones on their way to a 3-1 win over the Spares.

The Whiskers took three out of four from the Alley Oops in the final league match.

Veterans have proved to be good credit risks with only 3.3 per cent of the home loans guaranteed by VA resulting in foreclosure. Their direct loan record is even better.



SEEK REPEAT—The two finalists in last year's handball tourney get in a practice set at the Workout Facility in preparation for the 1970 meet. Willie Clinton, in the foreground, won the title by defeating Jack Tipton in the finals. Challenge ladders have been established for handball, squash and paddieball with the competition underway. Tournaments in each sport will be held starting in mid-February.

Bandits Steal Ahead Of Ambushed Raiders

It was moving day in the AMC Civilian Welfare bowling league again last week as the sixteen teams got into the second half of their 3-week schedule at the Playmor Lanes.

The Raiders, after practically establishing 'squatter's rights' on the lead with a three-week stay, went the way of nine previous leaders on the wings of a stunning 3-1 setback doled out by the Alley Cats.

The loss dropped the Raiders all the way to third as the Bandits moved onto the throne and the Voyagers took over second. The race is so close that the

tenth place occupant is only seven points behind the leader.

John Goltz regained the league's individual average lead and paced the Bandits in their coup with a 613 Honor Roll total. Goltz completed his run with a 235 in nudging his average up to 183.

Willie Wiggins chipped in with a 579 as the Bandits turned in a 3023 total with 1095 in the third game. Ed Leahy shot a 558 that included a 232 single in the losing cause.

The Voyagers were even more productive but only took three points from the Travellers. Their 3041 total pinfall included a 565 by Paul Baggett and a 561 by Harry Yager. Baggett had a 223 and Yager a 220 as the Voyagers smote a 1107 in the middle game.

The Johnsons prevented the sweep with Charles hitting for 566 and George turning in a 538 total.

Jim Goodman rapped a 577 but it wasn't enough to prevent the Raider setback in the hands of the Karl Bayer-led Alley Cats.

The Lancers were the only other four time winners when Ken Bourque's 215 game spiced a sweep of the Jokers.

The Metro Cals took three from the Avengers as Carl Morrison hit for 577, Chuck Mount stacked 587 maples as the Rejectors won a trio from the Wonnors, and Earl Sims gave the Sprinters a 3-1 winning margin over the Tigers with a 548.

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EX-CHIEF SCORES—Frank Bell, a retired Navy Chief now employed by the Safeguard Logistics Command, displays the deer that he brought down with a 40-pound pull bow. Bell was one of five hunters able to down a deer during the three month bow and arrow season that ended this week. The five-point buck weighed in at 100 pounds.

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Lucky Strikes On Top After Sweep

Action was hot and cold in the Redstone Officers bowling league last week as the bowlers resumed their schedule following the holiday layoff.

Each of the first four teams ended the evening in different positions, two of them due to their red-hot pin toppling and the others due to the reverse.

The Lucky Strikes took over the top spot and dropped D-2 into second with an eight-point sweep of their set. The Hard Hats and the Jaw Breakers engaged in another position duel with the latter jumping past the Hats into third after

taking six out of eight.

Harry Ludick, rolling for the Strikes, put together games of 195, 189 and 180 for a league leading 564 total while Dick Pearson was the top Jaw Breaker with a 548 set.

Bill Smith shot a 216 game as the Loggers turned in a 1033 handicapped game and Steve Rutz totaled 530 over the three-game route for the same team.

Bollenbacher To Present Technical Paper In Dallas

Donald R. Bollenbacher, Manager of Value Engineering for the Shillelagh Missile System, is one of a small group of top value engineers selected to present a technical paper at the 1970 National Conference of the Society of American Value Engineers (SAVE).

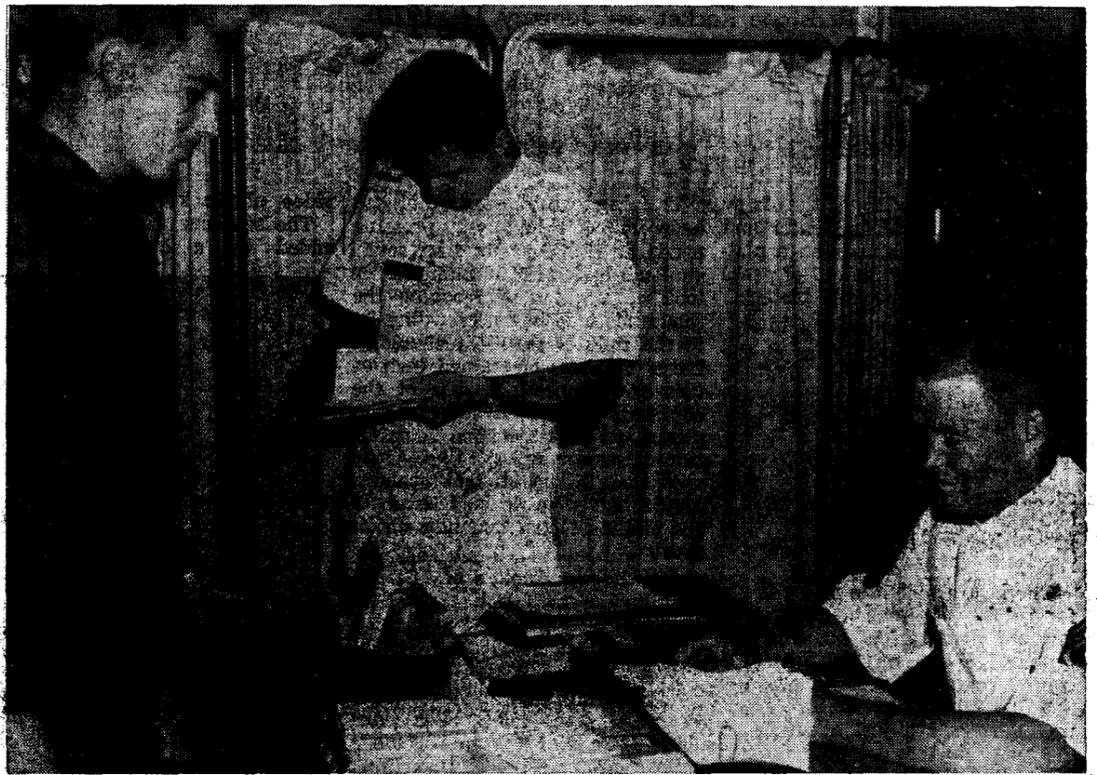
Bollenbacher's presentation at the Conference, scheduled for Dallas, Texas, April 13-15, is titled "Value Engineering in Army Project Management."

Bollenbacher, who lives at 3916 Richland Road, Huntsville, is a member of the Huntsville Chapter of SAVE. In his paper, he will describe how to manage a successful VE program in an Army Project Manager's office, covering personnel, organization, planning, evaluation criteria, and tactics.

SAVE is a technical society of about 3,000 value engineers whose primary objective is to use an or-

ganized approach to cost reduction. Theme of the 1970 National Conference is "The Golden Age of Value Engineering."

A new law which went into effect Dec. 1 provides automatic increased payments for most widows of servicemen and veterans eligible for dependency and indemnity compensation.



SIGNS IN—SFC J. W. Berryhill records information from SP4 Ronald McLaughlin as a part of patient registration at the Outpatient Clinic. SP4 McLaughlin is assigned to Company D at the School. In the background is PFC Ray Oakes, another of the medical corpsmen on duty with the clinic staff.

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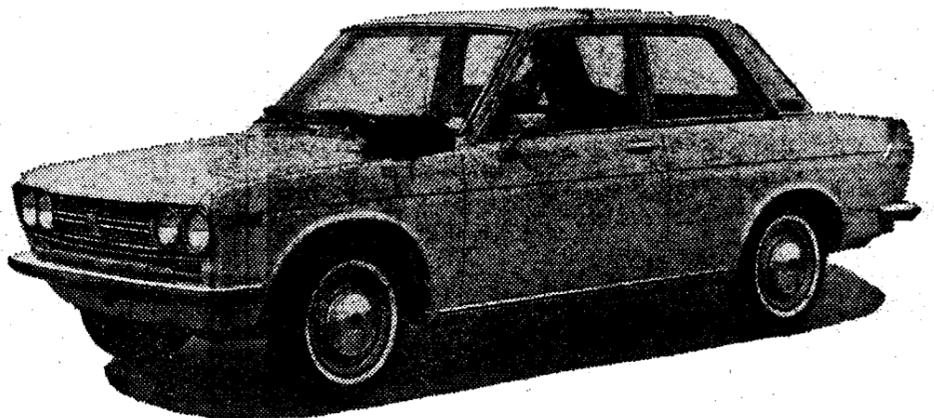
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'Spying' Assists In Training Instructors

In a small building at the Army Missile and Munitions Center and School, a soldier stands on a platform in front of a handful of peers and talks about morphic biology.

Big Brother is watching him.

Through a one-way glass at the rear of the room, the soldier's every move and word are observed by a discerning gray-suited civilian.

A spying camera records the soldier's presentation from an unobtrusive spot near the rear wall, preserving his actions for instant replay!

These are not the ingredients for a tale of espionage and intrigue, rather a typical scene in the practical classroom of an MOI course (methods of instruction).

Video tape playback and one-way mirrors are just a couple of the many modern training devices utilized by the staff of John Parks in the Training Media and Methods Branch (TM&M) at MMCS, an arm of the Curriculum Development Division in the Directorate of Individual Training.

The job cut out for this group of 15 education specialists is to teach missile and ammunition maintenance experts how to teach future missile and ammo maintenance experts.

Besides Methods of Instruction, the department also conducts sessions in programmed instruction, systems engineering, documentation, training supervision, and counselling and guidance.

MOI is the oldest and most frequented of the programs at TM&M and one of its most vital. Over 6,500 soldiers have met its requirements since 1953 to become qualified missile support instructors on the various systems at MMCS.

A student comes out of his advanced technical training on, say, the Nike missile, then completes MOI to learn the latest advanced techniques of teaching what he has learned to new trainees.

Training instructors have always been one of the most pressing needs at MMCS. Its first seven students back in 1952 immediately took on the job of teaching the thousands who began crowding into the field of missile technology. Large numbers of trained instructors are required because of the continual turnover of military personnel due to transfers, completion of service and the like. Along with the military student-teachers, MMCS has also trained most of the civilian instructors now on its faculty.

SP4 Robert Becker of Clarksville, Ind., a math graduate of Bellarmine College and former graduate assistant at Purdue University, says:

"Actually, I welcome the opportunity to take MOI at this time, since I am planning to become a college professor. Thus, I think spending my time in the Army as an instructor will be time well spent."

An Omaha, Neb., soldier with a physics degree from the University of Washington, SP4 Roger Winiecki, explains:

"Before being drafted I had planned to begin student teaching anyway, so being assigned here can be regarded as either one year late or two years early."

The TM&M staff applies the use of video tape and one-way observation in critiquing the students, and also employs mounted slides, view graph, movies, chalkboard, and practical exercises during the two-week MOI course.

Each student undergoes rigorous preparation, including two-minute impromptu speeches, and prepared texts of five-, 15-, 30-, and 50-minute duration for simulated classroom presentations.

Each student receives individual critiquing from a qualified member of the staff, plus evaluation from fellow members of the class, and self-critical analysis via the

video playback.

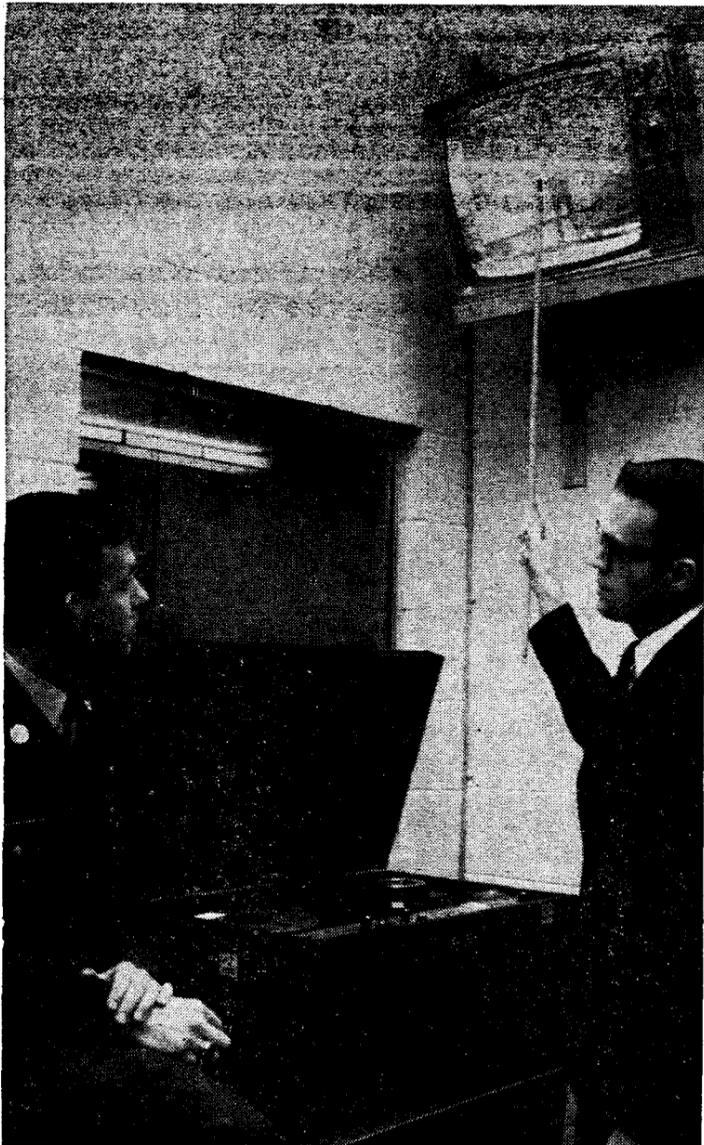
The sessions have a little fun added by a built-in attention-

getter, that of the speech topics. Except for the final long presentations, which must be about the

soldier's specific field, the student is allowed to "teach" any topic he (Continued on Page 9)



BIG BROTHER WATCHES—Video tape is a vital tool utilized by the staff of the Training Media and Methods office at MMCS in making instructors out of missile technicians. Here, during a Methods of Instruction class, Charles Gibbons records a soldier's platform presentation while observing unobtrusively through a one-way mirror.



INSTANT REPLAY—Clyde McCord, one of the 15 education specialists in TM&M, lets the student monitor his own presentation in an 'instant replay' critiquing session. This reinforces the feedback he has already received from evaluations by both the professional staff member and fellow students in the course.

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'SPYING' ASSISTS
(Continued From Page 8)

chooses.
A random sample of one class revealed the following speech topics: The Backbone, Surfboard Design, Playboy Philosophy, How to Pick Up A Girl, Night Life in Atlanta, How to Cut a Pumpkin, Morphic Biology, Brainstorming, and Forest Fires in Oregon.

A couple of soldiers added a little spice to the action by inventing a recipe (Chicken a la Succulentia) and a fowl species (The Wallaboombang Bird) to expound.

Blending the fun and business into a meaningful two weeks of training for instructors-to-be is a staff whose background contains, according to Parks, "more degrees per square inch than any other part of MMCS."

Parks himself, who is the Supervisory Education Specialist, was an honor graduate in vocational education at Auburn University ('31). He has earned a Master of Science degree in chemistry and physics at the University of Maryland, where he has also completed his coursework for a PhD.

Parks has worked with curriculum development since the inception of MMCS (then the Ordnance Guided Missile School) in 1953.

His co-workers in this phase of education, most of them former teachers or school administrators are:

—Assistant Supervisor Charles Gibbons of Pulaski, Tenn. (BS in math, chemistry and education, Middle Tennessee State '49; MA in school administration, Peabody College '52)

—Howard Bramblett of Scottsboro, (BS in social science and education and biology, Jackson-

ville State '47)
—Willis Deerman of Huntsville, (BS in education, physical education and biology, Jacksonville State '52)

—Eugene E. Eslick Jr. of Pulaske, (BS in math and chemistry, Peabody College '50; MA in chemistry and Phys ed, '51)

—Paul Fulda of Huntsville, (BS in education, math and history, Livingston State '65)

—Melvin Hodges of Madison, (BS in biology and history, Jacksonville State '66)

—Stephen Horvath of Huntsville, (BA in history, University of Alabama in Huntsville '68)

—Vernon Jones of Huntsville, (BS in education, history and physical education, Jacksonville State '64; MS in education, world history, '64)

—Gene Kay of Lacey's Spring, (BS in agricultural science, Auburn '55)

—Donald Mansfield of Gurley, (BS in education, social sciences and industrial arts, Middle Tennessee State '66)

—Clyde McCord of Huntsville, (BS in education, social sciences and math, Peabody College '66)

—Charles Owens of Huntsville, (BS in industrial education, automotive mechanics, Tuskegee Institute '66)

—Gerald Williams of Huntsville, (BS in secondary education, physical education and biology, Jacksonville State '61)

—Roy Williamson of Huntsville, (BS in science education, Tennessee A*1 '58)

Behind every successful man, so it's said, is the feminine touch. TM&M backs its staff with an education technician, Mrs. Shirley Johnson, and clerk typist, Mrs. Carol Thompson.

Mrs. Johnson is the only one of



MERITORIOUS SERVICE AWARD—Lt. Col. Robert D. Funke (left) receives the Meritorious Service Medal and Mrs. Funke smiles her approval during a recent ceremony at Redstone Arsenal. Making the presentation is Maj. Gen. Edwin I. Donley, Commanding General of the Army Missile Command. The colonel was cited for meritorious service as Chief, Office of Doctrine and New Materiel, U.S. Army Missile and Munitions Center and School, from August 1968 to July 1969.

her kind at MMCS. She is responsible for scheduling and enrollment in the six staff and faculty courses.

"I came here for 90 days, four years ago, and I haven't done 90 days' work yet," she laughs. "Seriously, my son went to Vietnam, so I decided to stay, and I'm still here."

"She runs the place," confides Parks, with a knowing smile.

The education specialists stage conferences with their students on education methods, classroom television, etc., and guide them through their practical exercises.

Students are instructed in content, delivery, technique, and effectiveness on their presentations.

The final test for the students, mostly enlisted ranks and 75 per cent of whom have one or more years of college, is the 50-minute presentation.

A grade of 70 passes them into the world of missile instruction. Remedial help is available to any

flunkee who shows potential.

"Most of them have the qualifications to make it through, or they wouldn't be here in the first place," says Parks.

"But when we're finished with them, they are not only qualified as instructors, but also as training supervisors. And we see to it that they are top quality."

Big brother is watching . . .

The Veterans Administration during 1969 administered government insurance programs totaling more than 5.6 million policies, with coverage valued at more than \$38 billion.

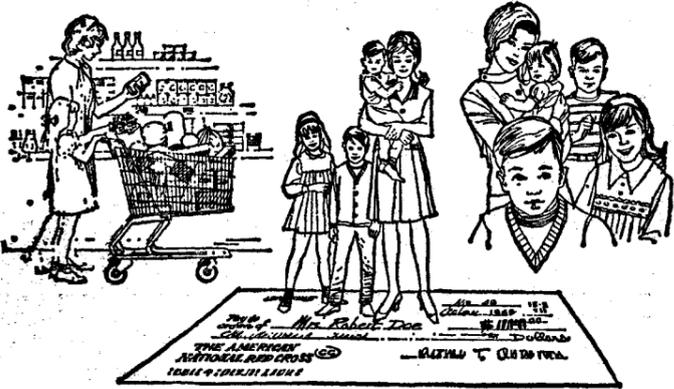
METEOROLOGY MEETING

R. M. Huffaker will talk to the American Meteorological Society tonight at 7:30 p.m. in the large conference room of the Lockheed Missiles and Space Company in Research Park.

Huffaker's topic is "Laser Doppler System for Measurement of Atmospheric Wind Velocity and Turbulence."

Visitors will be welcomed.

The Veterans Administration is intensifying its orientation and counseling efforts to encourage more veterans and servicemen to apply for government benefits.



KNOW WHAT?

RED CROSS FINANCIAL ASSISTANCE TO DEPENDENTS

Financial assistance is given by Red Cross to service personnel and their wives and children for basic maintenance when family allotments, officially applied for, are delayed or interrupted. Assistance is generally given directly to the family by the local chapter. However, the serviceman may apply for such assistance from the field director. This assistance is usually in the form of a loan (always without interest), since Red Cross funds are used in lieu of an allotment check that was delayed. This assistance is limited to basic maintenance, which includes food, housing, utilities, clothing, and essential transportation.

See your Red Cross field director for other assistance, too. He can help when you need counseling on personal and family problems, emergency communications and reporting service, health and welfare reports, or other services.

SPORTS CARS . . .
You Can Depend On!

1967 AUSTIN HEALEY 3000, Double Sharp! \$2,395	1964 MERCEDES 190 4-Door. Nice One. \$1,295
1965 MGB One Red — One Green \$1,195	1966 TRIUMPH SPITFIRE Nice little car. \$1,195

Corvettes — Corvettes — Corvettes
WE HAVE 13 CORVETTES IN STOCK
1959s THROUGH 1969s

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\$8.00

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Deadline 10 a.m. Monday
Preceding Wednesday Issue

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January History

Jan. 1 (1863) President Lincoln signs the Emancipation Proclamation.

Jan. 10 (1920) League of Nations is formed at Geneva, Switzerland.

Jan. 16 (1706) Benjamin Franklin is born on Milk Street in Boston.

Jan. 18 (1912) Captain Robert F. Scott and four others reach the South Pole.

Jan. 21 (1954) The first nuclear powered submarine—USS Nautilus—is launched at Groton, Conn.

Always carry a bottle of clear nail polish in your camp-first aid kit. It will come in handy to remove ticks and chiggers. Ticks must breathe through their skin, therefore they will back out in order to get air when they are coated with the nail polish. Chiggers, too, will be suffocated by the nail polish.

The VA says the current 335,351 enrollment in institutions of higher learning is a 28 per cent increase over the 261,347 in training in college at the end of October 1968.



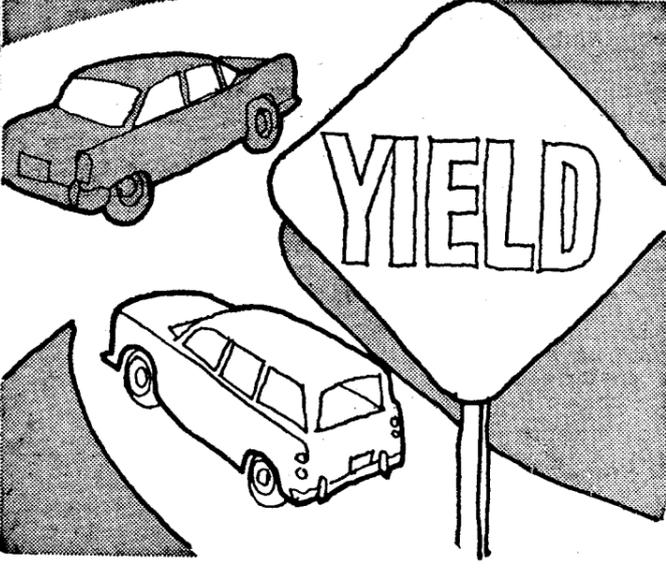
The VA says a record number of 783,000 veterans, servicemen, their sons, daughters, wives and widows were in training as of Dec. 31, 1969, an increase of 35 per cent over last year.

WOULD YOU LIKE TO SELL YOURSELF AND YOUR IDEAS LIKE BEN FRANKLIN DID?
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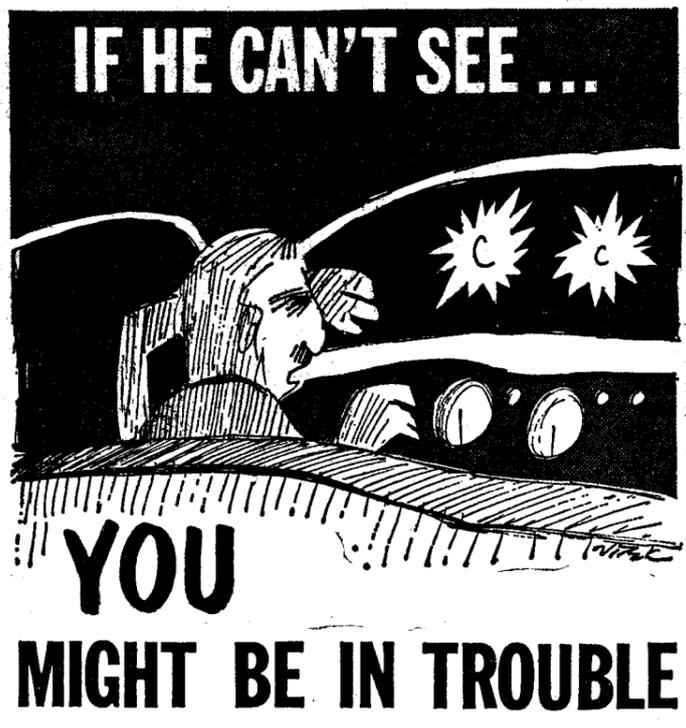
Tips from a Pro

Wray Mundy
NATIONAL TRUCK DRIVER OF THE YEAR

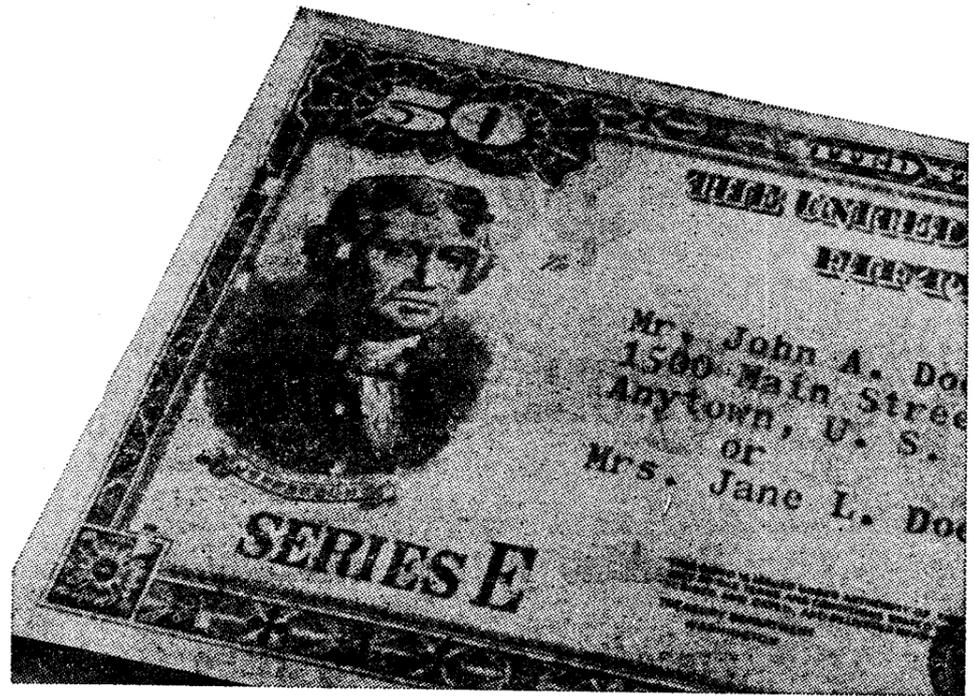


Tips from a Pro

Wray Mundy
NATIONAL TRUCK DRIVER OF THE YEAR



Wouldn't it be a shame if you saved a pile of money for retirement and there was nothing to retire to?



Buy U.S. Savings Bonds & Freedom Shares

The U.S. Government does not pay for this advertisement. It is presented as a public service in cooperation with The Department of the Treasury and The Advertising Council.

VW TRADE INS

- 1968 OPEL KADETT Sta. Wag. \$1395.
4 in floor, radio, luggage rack.
- 1967 AUSTIN HEALEY SPRITE \$1195
Dark blue convertible, radio.
- 1967 CHRYSLER NEWPORT \$1975
2 door hardtop, radio, power and air.
- 1967 BELLETT SEDAN \$895
4-in-floor shift, radio, 4-door.
- 1966 RAMBLER Sta. Wagon \$1195
Automatic drive with air, 6 cyl. engine.
- 1965 FORD L.T.D. \$1295
4 door hardtop with automatic drive, air condition, radio.
- 1965 BUICK LeSABRE \$1195
2 door hardtop, air, automatic drive.
- 1965 FORD FAIRLANE 500 \$895
4 door sedan, automatic drive, radio.
- 1964 FORD STATION WAGON \$975
Automatic drive, radio and air.
- 1963 FORD GALAXIE XL \$595
White with black leatherette interior, automatic drive, radio.
- 1961 IMPERIAL \$595
4 door hardtop, all power and air.
- 1959 FORD STATION WAGON \$495
3 seater, automatic drive, radio.

UNIVERSAL VOLKSWAGEN

2305 No. Parkway Pho. 539-7454

Exhibit Specialists Are In Year-Round Demand

Thousands of people from all over the country have seen displays and exhibits that reflect missile activities of the U. S. Army Missile Command. Designing, fabricating and constructing these exhibits is a way of life for John R. Russell, Chief, Exhibits Division, Directorate Arsenal Support Operations, and his

staff of specialists, who have been in this business for the past 12 years. Though they have literally built hundreds of displays, each is a challenge to Russell and his staff of three military and 11 civilian employees. In addition to providing all exhibits and displays for the Army

Missile Command, Russell's division also has responsibility for training aids for the Senior Officer's Preventative Maintenance Management School, furnishing exhibits for meetings, public events, static displays and such special projects as Armed Forces Day and the annual Boy Scout Roundup.

Some displays are full sized rockets and missiles while others are intricate examples of advanced technology adapted for public display.

All exhibits are checked for detail and authenticity, even down to the smallest nut or bolt.

Two military information specialists usually are utilized as tour guides.

One of the most ambitious projects undertaken by the Exhibits Division is the U. S. Army Missile Display Area located on Patton Road near Bob Wallace Road.

Open to the public, it is composed of two buildings with inside exhibits and an outside fenced enclosure where actual hardware can be viewed and photographed.

Inside, murals, scenic panoramas, photographs and paintings trace the development of the first rockets up to the present refined rocket and missile systems of the Missile Command.

Cutaway rockets and missiles along with missile models set in authentic backgrounds make up some 69 exhibits that tell the rocket-missile development story.

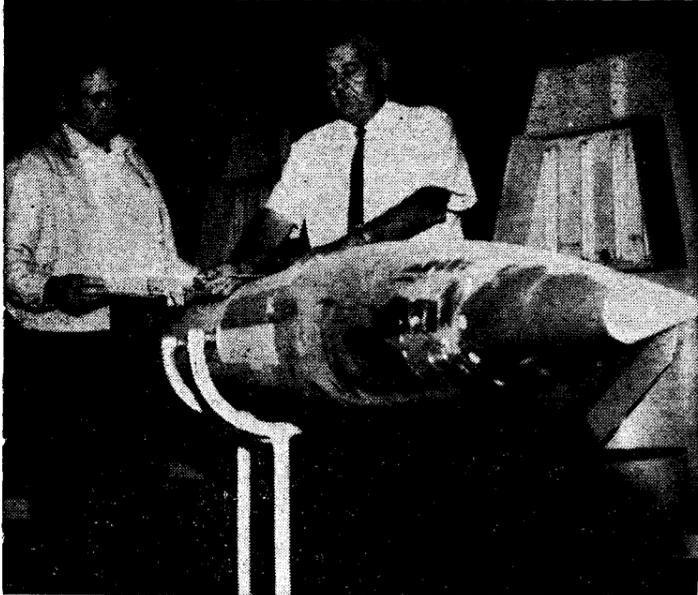
Outside there are approximately 23 actual missiles, rockets, launchers and other support equipment. Among them are such names as Hermes, Honest John, Lance, Hercules, Jupiter, Pershing, Hawk, Corporal and Nike-Ajax, which have identification plaques for visitors who want to look and take pictures.

At present the Exhibit Division is restoring for display a Huey IB helicopter that will show airborne weapon systems being used in Vietnam. The helicopter is only one of a group of exhibits being prepared for the Alabama Space and Rocket Center now under construction in Huntsville.

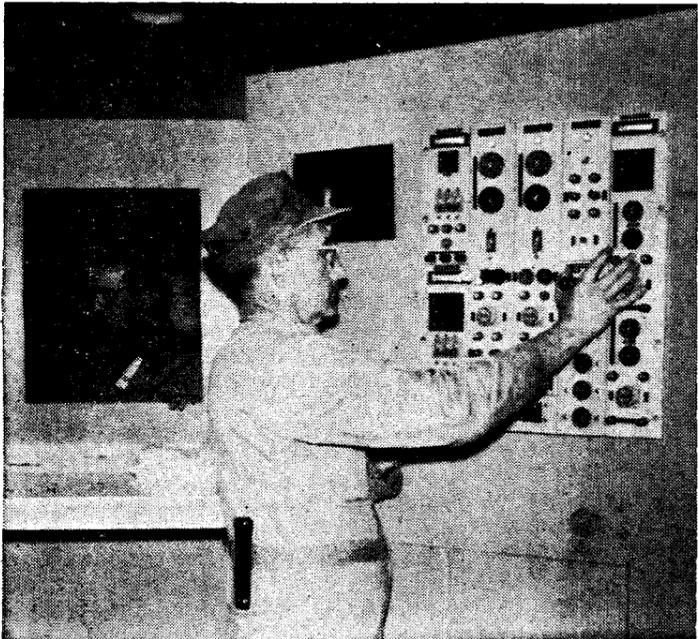
Exhibits and displays from the Missile Command travel throughout Alabama, Mississippi, Florida, Georgia and Tennessee in support of special events, state fairs, and University ROTC Programs.

For John Russell and his staff of experts, work never ends . . . they research and build exhibits, they repair and refurbish them during their life-time, then they salvage them and start the cycle all over again.

Russell and his crew feel the more than 62,000 people who visited the Missile Display area the past year, and the thousands of people throughout the Southeastern United States who saw their exhibits, make the whole job worthwhile.



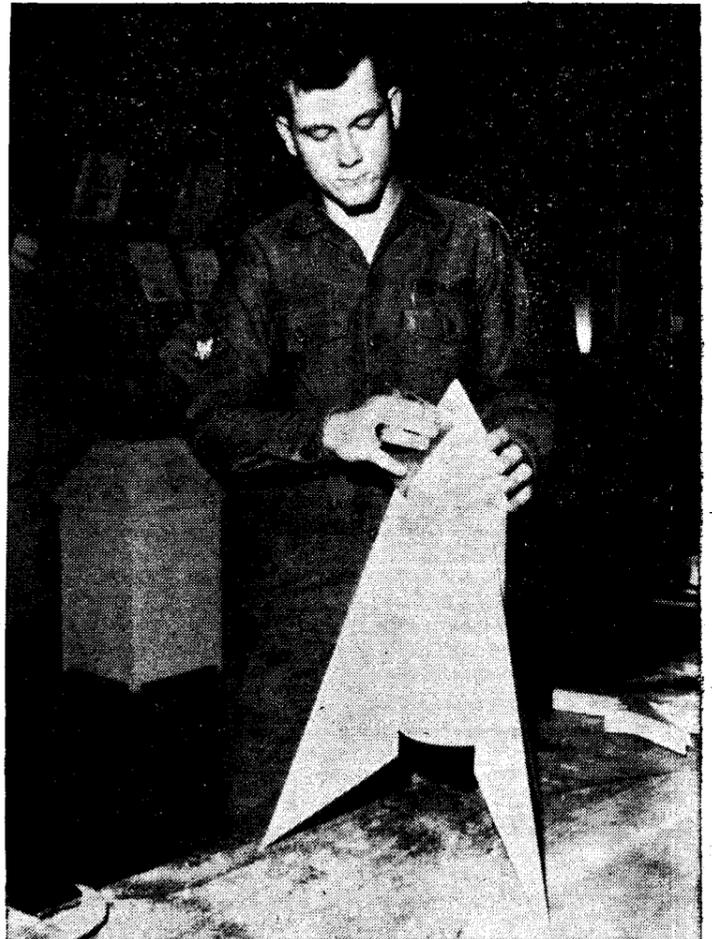
OLD MISSILES STILL USEFUL—R. P. Steadham, an exhibits specialist, and John R. Russell, Chief, Exhibits Division, DASO, check an old experimental missile that will be reworked into an Army Missile Command display.



NEW DISPLAY—L. R. Brooks, framed in the window, and J. H. Johnson, Exhibit Specialists, work on a Microfiche display that will be exhibited at future Army Materiel Command sponsored events. Intricate switch panels and complicated electronic equipment are routine assignments for members of the Exhibits Division.



MAKE SURE IT WORKS—T. G. Moses, a member of the Exhibits Division, checks out a Target Detection and Tracking display prior to rescheduling it again. This display has appeared on the concourse at the Pentagon, at Aberdeen Proving Ground, Maryland, at the University of Alabama, and at the Southeast Fair in Atlanta.



AN ANCIENT ROCKET?—Specialist 4 Richard Porak, a model builder and one of three soldier personnel in the Exhibits Division, completes a model of an old Chinese rocket that dates back 2,000 years. The rocket model is part of a display that will be loaned to the Alabama Space and Rocket Center, now under construction in Huntsville.

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Former U.S. Army mechanic and service station attendant, EDWARD D. PAIGE, is now employed as staff adjuster by Free State Adjusters in Virginia. "Your I.A.S. Home-Study Course is, in my opinion, the best that can be obtained. Also, the Resident Training I received gave me a good working knowledge and understanding of the claim adjusting business."



You can earn top money in this fast moving, action-packed field. Insurance Investigators are urgently needed to settle claims worth billions of dollars annually. The tremendous increase of auto accidents alone have doubled the need of qualified adjusters. Train at home in your spare time followed by two weeks Resident Training at school owned facilities, MIAMI BEACH, FLORIDA or LAS VEGAS, NEVADA. Nationwide employment assistance. Write for FREE information. Accredited Member National Home Study Council.

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CHOPPER BEING RESTORED—This Huey IB helicopter, shot down in Vietnam, is being restored as an exhibit to show airborne rocket and missile systems used on helicopters. O. L. Bobo, Exhibits Specialist, knocks out dents that occurred during a crash landing. When restored this old vet will be an important addition to the exhibit inventory.

**MISSILE & MUNITIONS
CENTER & SCHOOL**

NAMES IN THE NEWS

By SFC Ben Casey

Awards
A couple of familiar faces appeared among the recipients at the January Commandant's Awards



SP5 SIMMONDS

Ceremony Tuesday. CPT William F. Gossman, Jr., former administrative aide to the Commandant and Mable Hoffmeyer, librarian Tech Library, received recognition for their "outstanding service." CPT Gossman received the Army Commendation Medal and Mrs. Hoffmeyer was presented the MMCS Certificate of Achievement and an Outstanding Performance Rating.

Other awards were: Outstanding Performance Ratings — James F. Nabors, Ofc. of Sec.; Annette G. Bernard, George H. Scott and Charles E. Thornberry, Log.; Frank W. Brown, Jr., Emmet N. Creekmore, Verlin O. Harmon, Nels G. Johnson and Charles W. Zimmerman, all from DIT.

Twenty Year Service Certificate and Pin—Edward G. Desson, Log.; William C. Motley, Log.; Robert P. Van Dusen, William W. Durham and Julian C. Weathers, DIT.

The 3rd U.S. Army announced in General Orders Monday that MAJ Norman P. Hopkins has been awarded the Meritorious Service Medal for meritorious service during the period Dec. 15, 1968 to Sept. 5, 1969.

At 1st Bn. SP5 Michael Sim-

monds, Co. D, received the MMCS Certificate of Achievement for outstanding service as company clerk at Co. D from Nov. 1968 to Jan. 1970.

First Sergeants Assigned

Three MMCS units have new diamonds in their midst as new First Sergeants have been assigned to UTC, 4th and 8th ETC. At UTC, MSG Robert Campbell has replaced 1SG C. J. Miller as first shirt of Hq. Co. The 20-year veteran is on his second hitch at Redstone having served here in 1967 with AMICOM. Prior to his recent assignment he was with Log. Comnd in Vietnam.

At 4th ETC, 1SG Thomas A. Seagle is the new top kick. His previous assignment was in Vietnam with Avn. Materiel Mgmt Center. First Sergeant James B. Layhew has taken over as top enlisted man at 8th ETC. He comes to the command from Advisory Team 43 in Vietnam.

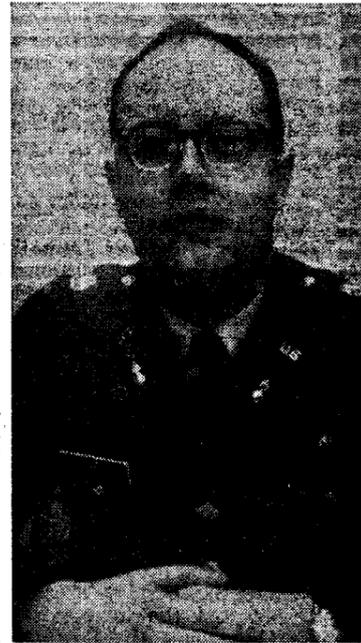
Other new arrivals are MSG J. Wallace, Co. D. sr. instructor in Computer Branch; SFC H. Jones, Co. C instructor in Computer Branch; SFC J. Otani, Guidance Branch; SFC B. Dehart, Microwave Branch; SFC Norman Taylor, CW Radar Branch, SFC W. Henderson, Nike Branch and SFC T. McCusker, Track Radar Branch.

Retirement Honors

Retirement honors are in order this month for three MMCS warriors. Those retiring are CW2 Leamon C. Jarman, Log.; SFC James L. Rector, Log., 20 years service, and SFC Glen E. Williams, Air Def. Dept., 22 years service. Good luck in your future endeavors.

Reenlistments

Two reenlistments were reported this week by the school's reenlistment office. At Co. A, SSG Frank Roberson went over 20 with a three year hitch while at Co. C, MSG Samuel Dockery added three more to his already completed 23 years.



1LT REYNOLDS

Promotions

At the Air Def. Dept. 1LT Laurence A. Reynolds was promoted to his present rank. A Training Supervisor at the Student Officer Company, the 24-year old soldier entered the Army January last year. He is a graduate of the University of Cincinnati where he earned his commission in ROTC.

Ideas—1970 Suggest For Economy —Safety—Progress

Everyone complains about the weather but nobody does anything about it, including the weather man. But you can do something about a practice that wastes money; produces safety hazards or is an hindrance to progress. Through the Army Suggestion Program, military and civilian personnel may suggest ways the Army can save money and increase efficiency. Cash awards up to \$25 thousand are payable for adopted suggestions. From now through the end of March an Army-wide suggestion campaign is in progress. During this time personnel are urged to participate in the program. Even if you can't do anything about the weather, do something about excessive spending, safety and progress. S-U-G-G-E-S-T!

Theatre Schedule

WED., Jan. 14
"Land Raiders" (M)
THURS.-FRI., Jan. 15-16
"Gone With the Wind" (G)
One showing at 6:00 p.m.
INCREASED ADMISSION: adults 50c, children 25c
SAT., Jan. 17
Walt Disney's "Darby O'Gill and the Little People" (G)
SUN.-MON., Jan. 18-19
"The Secret of Santa Vittoria" (M)
INCREASED ADMISSION: adults 75c, children 25c
TUES., Jan. 20
"The Learning Tree" (M)
Two shows nightly at 6:00 and 8:30 p.m. except as noted above.
Sunday matinee at 2:00 p.m.

ATTENTION MILITARY & GOVT. EMPLOYEES

Bring this ad for a \$10.00 Discount on any car on the lot, or let me help you find the used car you're looking for.

See Vernon Schroeder
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TRANSFERRING??? Let me make an offer on your car or sell it for you.

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**Every car on our lot—Our loss, your gain!
Each year at this time we mark 'em down
and sell 'em.**

- 1962 CHEVY Impala Cpe. New paint, good condition. \$595.
- 1964 OLDS Bubble top. Station wagon, air and power, good condition. SAVE.
- 1964 MG 1100 Sedan—reduced \$195.
- 1965 OPEL 2 door wagon, good transportation. SAVE.
- 1965 ELECTRA 225—4 door Custom, all extras, only 39,000 miles, ladies car, the very best. SAVE.
- 1965 TRIUMPH Spitfire convertible—both tops, clean. SAVE.
- 1965 BUICK RIVIERA Cpe. All extras, local owner. Only \$1,595.
- 1966 ELECTRA 4 door, fully equipped. 4 to choose from. SAVE.
- 1966 VOLKSWAGEN Square back station wagon, very good, new tires, SAVE.
- 1966 TRIUMPH Spitfire convertible—runs good, economy plus. SAVE.
- 1966 CHEVROLET Impala coupe—air and power, local owner, two to choose from, low mileage. SAVE.
- 1966 OLDS 88 Delta Fordor hardtop, air and power, local (Owner's name) SAVE.
- 1966 PLYMOUTH 4 speed sport Fury—new motor. SAVE.
- 1966 PONTIAC Bonneville—4 door, hardtop, air and power, clean SAVE.
- 1967 FORD Fairlane coupe—V-8 automatic, good. SAVE.
- 1967 PLYMOUTH 4 door hardtop—air and power, vinyl interior, sharp, SAVE.
- 1967 RIVIERA Coupe, all extras, good color, clean and ready. SAVE!
- 1967 WILDCAT 4 door, air and power, gold and black vinyl top, local owner. SAVE.
- 1967 OLDS 98 4 door hardtop—all extras, fine condition. Owner's name. SAVE.
- 1967 CADILLAC DeVille Sedan. Fully equipped, new tires, very fine car. SAVE.
- 1967 LeSABRE 4 door, air and power, owner's name. Nice. SAVE.
- 1967 SKYLARK Convertible—air and power, very well cared for. A bargain. SAVE.
- 1968 OPEL 2 door sedan—only 6,700 miles, like new. SAVE.
- 1968 AUSTIN American Sedan, auto. 9,000 miles. SAVE.
- 1968 CHRYSLER 300 Sedan—air and power, and windows. Only 5,000 miles. New condition. SAVE.
- 1968 MUSTANG Air and power, V-8 automatic, very clean. SAVE.
- 1968 OPEL Station Wagon. 13,000 miles, 102 H.P. Engine, A-1 SAVE.
- 1968 VOLVO 44S 4 door—4 speed, factory air, 12,000 miles, owner's name. SAVE.
- 1968 RIVIERA Coupe—all extras, low mileage, owner's name, a beauty, vinyl roof. SAVE.
- 1968 MGB GT—runs great! Hurry! SAVE.
- 1968 OLDS 442 COUPE—air and power, ladies' car, new radial tires and special wheels, low mileage. SAVE.
- 1968 CHEVROLET Impala coupe—air and power, 22,000 miles, owner's name. SAVE.
- 1968 MUSTANG Cpe. Only 21,000 miles, air, 3-speed. Special! Only \$1,795.
- 1968 MGB-GT Coupe, runs good. SAVE! SAVE.
- 69 BUICK Riviera Coupe, loaded with extras, 16,000 miles (Owner's name) New condition. SAVE.
- 1969 ELECTRA Coupe, all extras, wide tires, owner's name. SAVE tires. SAVE.
- 1969 PONTIAC Grand Prix Coupe, air and power, 13,000 miles, (Owner's name) like new. SAVE.
- 1969 OLDS 442 Coupe—air and power, and windows. Only 5,000 miles. New condition. SAVE.
- 1969 SKYLARK GS 400 Coupe—air condition and power plus stage 1, 14,000, like new SAVE.

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Army Uses Sheep For Shock Testing

WASHINGTON (AFPS)—Studies now being made on sheep by the Letterman Army Institute of Research in San Francisco may lead to the saving of thousands of human lives.

The sheep are being used in re-

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Uncle Sam still needs you

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America needs your help

BUY U.S. SAVINGS BONDS, NEW FREEDOM SHARES

search on the causes, effects and possible antidotes for shock because they have been shown to be cardio-vascularly similar to human beings.

"They are more susceptible to this type of research than other animals," explains Capt. Donald T. Bishop, a veterinarian. "And they are docile animals, therefore more compliant with the testing they are undergoing."

Anti-shock research is vitally important, since more people die from shock than from an actual injury or wound. The research team is trying to find a quicker way to treat casualties from Vietnam, as well as civilian cases, through their research program.

Meanwhile, the sheep graze contentedly in a pasture located less than a mile from the new Letterman General Hospital.

YOUR CAR—THE BIGGEST KILLER?

It has been nearly a quarter of a century since the first atomic bomb was dropped on Japan, bringing World War II to its end. Arguments still rage around the world about the bomb which killed the greatest number of people of any bomb in history. Many groups of people are still actively protesting.

While the actual death toll will probably never be known, estimates range from 80,000 to 240,000 lives lost. The Book of World Records lists a figure of some 91,000 deaths.

Using this figure, let's take a look at how much this discussed tragedy compares with an even greater tragedy which gets little attention: the traffic death toll in this country for just one year.

Last year we lost two-thirds as

many lives in traffic crashes as were lost in that atomic blast. Traffic deaths in the United States in 24 years since Hiroshima have been more than 10 times that 91,000 figure.

Since the turn of the century America has lost more men, women and children in traffic crashes than in all our wars since the beginning of this nation. In 1968 the property damage in motor vehicle accidents was \$3.8 billion, and we lost 55,200 lives. This is up four per cent over 1967, and

there were 2 million people disabled from these motor vehicle accidents. And the final blow to America was the loss of 5,591 children in auto crashes who were in the age bracket of 1-14. This is far more than the loss of life from all diseases.

The Traffic Safety Division, Arizona Highway Department, asks all of you, what is "The Biggest Killer?" Think it over the next time you get behind the wheel of your car. (The DESERT AIRMAN, Tucson, Ariz.)

WOULD YOU LIKE TO THINK ON YOUR FEET LIKE A QUARTERBACK?

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- Dual White Stripe Fiberglass belted tires
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STICKER PRICE \$4,747.61
Charles Bentley Price **\$3,942.00**

**Check These
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Models in
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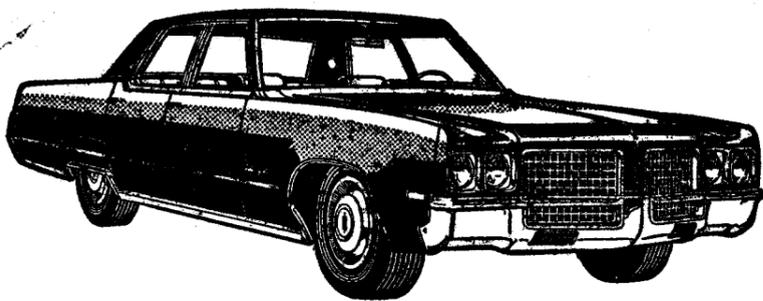
Equipment:

- Air condition
- Cornering lamps
- Side paint stripes
- Tinted glass
- White stripe belted fiberglass tires
- Deluxe wheel discs
- Headlamp off-delay control
- Remote control outside mirror
- Stereo tape player
- AM-FM stereo radio
- Power trunk lid
- Tilt & telescope steering wheel
- 5-way power seat
- Power windows
- Custom trim and more

STICKER PRICE \$6,815.76
Charles Bentley Price **\$5,545.00**



1970 OLDSMOBILE TORONADO



1970 OLDSMOBILE NINETY-EIGHT Town Sedan

Equipment:

- Air condition
- Tinted glass
- Door edge guard mouldings
- Deluxe pushbutton radio
- Rear seat speakers
- White stripe fiberglass belted tires
- Tilt-away steering wheel
- Remote control outside mirrors
- Deluxe wheel covers
- Convenience group

Sticker Price \$5,439.12
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Huntsville, Ala. 35804



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WANT AD RATES—\$2.50 minimum per weekly insertion, covering first 25 words. 5 cents per word for all over 25 words. Cash with copy, except where open account basis is previously established. 25c service charge added for credit. Mail copy with payment to Mrs. Vergie Robinson, P. O. Box 346, Room 908 Times Bldg., Huntsville. Deadline is Friday noon, before Wednesday publication.

2. Cars

FOR SALE—1966 Corvette, bargain, excellent condition, \$2,195 phone 883-1014 after 5 p.m. tlc

FOR SALE—Going overseas, make a reasonable offer; 1966 Delta Olds, 2 dr. hardtop, full power & air, 425, 2 BBL, excellent tires, good condition, phone 876-4036 or 881-5792. tlc

3. Miscellaneous

FREE BLACK STAR SAPPHIRE—with any Rock Tumbler or Ultra-Violet Mineral Light. Happy Valley Rocks and Minerals 536-9146. 1-28 c

PARTTIME—If you can work 3 evenings per week and use an extra \$200.00 per month one of the nation's leading financial institutions has an unique sales opportunity. Product—Insured Savings Plan that people want. Ages 25 to 55—For confidential interview send resume to P. O. Box 2071, Huntsville, Alabama. 1-14 c

SELL MUTUAL FUNDS and life insurance. Sell them both. You'll be offering one of the most complete financial packages offered anywhere—in America's top markets. Train from scratch, or come aboard with experience. Either way, you'll enjoy a great competitive edge. And you can work part time or full time. What's in it for you? One of the greatest combinations of benefits ever put together by one company. Top dollars, sure. But the best part of all is the day-to-day contact with interesting people plus the chance to be your own boss. This is a dynamic, fast-growing company with offices all over the world. So, if you're looking for a ground-floor opportunity, a place to really make it big, act now. Send Resume to P. O. Box 759—Huntsville, Ala. 35804. tlc

5. Houses, Lots - Sale

FOR SALE—3 miles Southeast of Hartselle 5 acres land, small house, good out buildings, city water, well water and pond; also Ford tractor 8-N 2 pieces of equipment. Sell together or separate see Don Blankenship or phone 784-5955. tlc

DO BUSINESS with retired military personnel. You may be one yourself someday or maybe you are already. The Ingalls Agency 883-0110. Multiple List Realtor. tlc

6. Pets

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For Older Model Clean Cars . . .

Prefer American Made Compacts & VW's
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Owned & Operated by
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Approx. 1700 Manual Machines \$29.00 up
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All Machines must be sold. No reasonable offer refused!

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12879—So. Memorial Parkway
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- Computer programmers are in increasing demand by industry (not to be confused with key punch operators). The next step up from a Computer Programmer is Systems Analyst.
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- Free job placement service.
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- Individual attention. No more than 16 to 20 in class.
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KNOW HOW TO SELL YOUR HOME.

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FOR HOME OWNERS AND POTENTIAL HOME OWNERS

LEARN MANY, MANY THINGS ABOUT:

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EVENING CLASSES \$12.50 FOR THE COURSE

Classes Limited—Enroll Now

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AUCTION

SATURDAY, JANUARY 17th. 1:30 P.M.
Brooks Street, Decatur, Ala.
(West of Hicks Chevrolet Co.)

Equipment Sale For Decatur Truck and Tractor Co.
The International Harvester Dealer in Decatur.

EQUIPMENT LIST:

- 1 460 Farmall L. P. Tractor
- 2 450 Farmall L. P. Tractors
- 1 2-row I. H. Cotton Picker
- 2 1-row I. H. Cotton Pickers
- 1 Self-propelled 2-row combine
- 1 Pull type I. H. Combine
- 1 Pull type A. C. Combine
- 1 I. H. No. 27 Hay Baler (new)
- 1 2-row I. H. Corn Snappers
- 1 Hay Loader (new)
- 1 4-row Planter
- 1 4-row Cultivator
- Disc Harrows, all types, Disc Plows, Bottom Plows, 2-wheel Dump Trailer
- 1 International 1½ ton Truck with Steel Bed
- 1 International ½ ton Truck

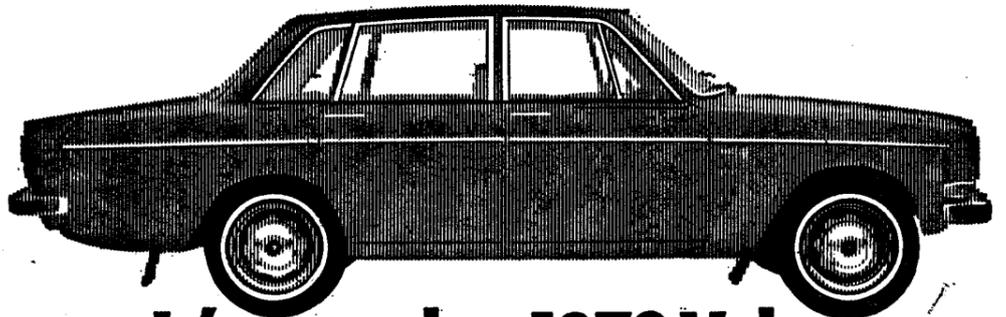
Complete Shop Equipment—
Jacks, Drills, Presses, Vices, Grinders, Valve Grinding Machine, Electric Welder, Air Compressor, Steam Cleaner, Other Welding Equipment and many other pieces of shop equipment. Complete set of Cotton Picker Repair Tools. All types of belts, odd parts, junk tractors, odds and ends.

\$20,000.00 worth new parts to be offered for sale before the sale.

"TO BE SOLD TO THE HIGHEST BIDDER, YOU SET THE PRICE"

Cole Auction Co.

509 Madison Street Phone 539-4328
Huntsville, Alabama



**It's not only a 1970 Volvo.
It's a 1974 trip to Europe
and a 1978 swimming pool.**

Buy a Volvo from us and it could cause a dramatic rise in your standard of living.

That's because the 1970 Volvo is built the same way as all previous Volvos: to last. (We can't say how long, but 9 out of every 10 Volvos registered here in the last eleven years are still on the road.)

So three years from now, you should find yourself keeping the money you'd normally spend for a new car.

A year later, in 1974, you'll have saved 12 monthly car payments. At about \$90 each, that's \$1080. Or enough for you and your wife to vacation in Europe.

By 1978, you could save another \$4320. Enough for a swimming pool.

For further information on Europe and swimming pools, consult your Yellow Pages.

For further information on the car that makes them possible, consult us.

CONTINENTAL CARS INC.

University Drive (Next to Sheraton) 837-5752



COL. PEARCE HONORED—Maj. Gen. Edwin I. Donley, Commanding General of the Army Missile Command, presents to Col. Robert M. Pearce the Legion of Merit (First Oak Leaf Cluster). The colonel was cited for outstanding performance of duty as Commanding Officer, 4th Armored Division Artillery, VII Corps, U.S. Army, Europe, from August 1968 to September 1969. Col. Pearce is now Deputy Commander, Land Combat Systems, at the Missile Command.



GOLD DIGGERS — These pretty Pueblo Army Depot, Colo., clerks, Mrs. Daisy Gonzales, left, and Miss Carole Menoskey, flash "golden" smiles as they caress the real thing at the Army Materiel Command activity. Mrs. Gonzales sifts through military uniform buttons containing gold, while Miss Menoskey holds 84 ounces of the pure stuff, valued at \$2,940, produced from military buttons. Although the depot has been recovering gold from electronic scrap for more than three years, officials there started reclaiming gold from uniform buttons on a full scale only last March. Pueblo is expected to recover about \$200,000 worth of gold over the next 12 months.

Equal Employment Opportunity Reps Placed In Each Civil Service Region

Improvement of operation of the equal employment opportunity program at the activity level is seen by the Army Materiel Command's Deputy for Equal Employment Opportunity as a result of the establishment of full-time regional EEO representative positions by the US Civil Service Commission in its 10 regional offices.

Designation of regional directors as program coordinators and establishment of the representative positions will serve to assure high-level attention by Federal managers throughout the country to the employment problems of minorities and women, the CSC reported. Individuals selected for the new positions will be persons with high levels of ability to relate to these groups.

"An excellent opportunity has been provided by the Civil Service Commission for top level coordinations among Federal activity EEO officers through the establishment of the full-time regional EEO representatives in each region of

the Commission," S. Sam Schwartz, AMC's Deputy for Equal Employment Opportunity, said.

"Fine results have been achieved where councils of EEO officers have been organized in areas where Federal Executive Boards exist," Schwartz continued. "Army Materiel Command activities may find that the new positions established by the Commission, as well as the formation and activation of EEO councils, can be very helpful in bringing about the cross fertilization required to improve and implement local plans of affirmative action."

"The success of the Federal program will hinge largely on what is done at the job site and in communities where Government offices, shops, and laboratories are located," CSC Chairman Robert E. Hampton said. "By being close at hand, the regional EEO representative will be instrumental in moving the program forward at the agency field installation level. He

will give leadership and assistance to agency EEO officers, Federal Women's Program Coordinators, personnel officers, and other officials."

Regional EEO representatives will be able to guide and assist Federal field managers in applying policies prescribed by President Nixon under Executive Order 11478, Mr. Hampton added.

VISITORS FROM SPACE

The Rocket City Astronomical Association will present a public showing at the Planetarium on Montesaño at 1:30 and 3 p.m. Saturday.

Sherman Stark will present a program featuring "Visitors From Space."

All interested persons are welcome to attend.

Drive Safely!

WHOS Meets

Wives of Husbands Overseas (WHOS) held a coffee Saturday at the home of Mrs. Glen Ausmus and welcomed five new members. They are Alice Bernaski, Wendy Lebischak, Joan Canales, Carolyn Anderson and Mathilde Carroll.

This group includes the wives of enlisted men who are overseas.

The hostess was assisted by Mrs. William Shows.

For further information about joining the organization, call 881-8546.

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Furnished or Unfurnished
Lovely 2 bedroom, living room, kitchen and ceramic tile bath, including air conditioning and TV outlet
Convenient to schools, churches and shopping.

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AUCTION

SATURDAY, JANUARY 17TH. AT 11:00 A.M.

The Property of Mr. and Mrs. Hammond C. Dyas

LOCATED AT 413 McCLUNG AVENUE, SOUTHEAST
Downtown, Huntsville, Alabama



27 ROOM ANTEBELLUM-TYPE HOME

This beautiful historical home is situated on approximately one acre of ground in one of Huntsville's oldest established neighborhoods and is surrounded by beautiful trees, flowers and shrubbery. Built in 1830 for Leroy Pope Walker, Secretary of War for the Confederacy by his uncle, Leroy Pope, pioneer developer of Huntsville. This house and grounds have a tremendous historical significance for Alabama, and the South, as well as the nation as a whole. Local tradition states that Secretary Walker sent the order to fire on Fort Sumter from this house. Thus placing the official start of the Civil War at this site. This house is structurally sound. Floors are beautiful hand-rabbeted random width long leaf pine. It also features beautiful marble mantles. There is also a Summer House and Sunken Garden with a pool. You must see it to believe it! Pre-Sale inspection invited. TERMS: 25% down sale day. Balance due in 15 days.

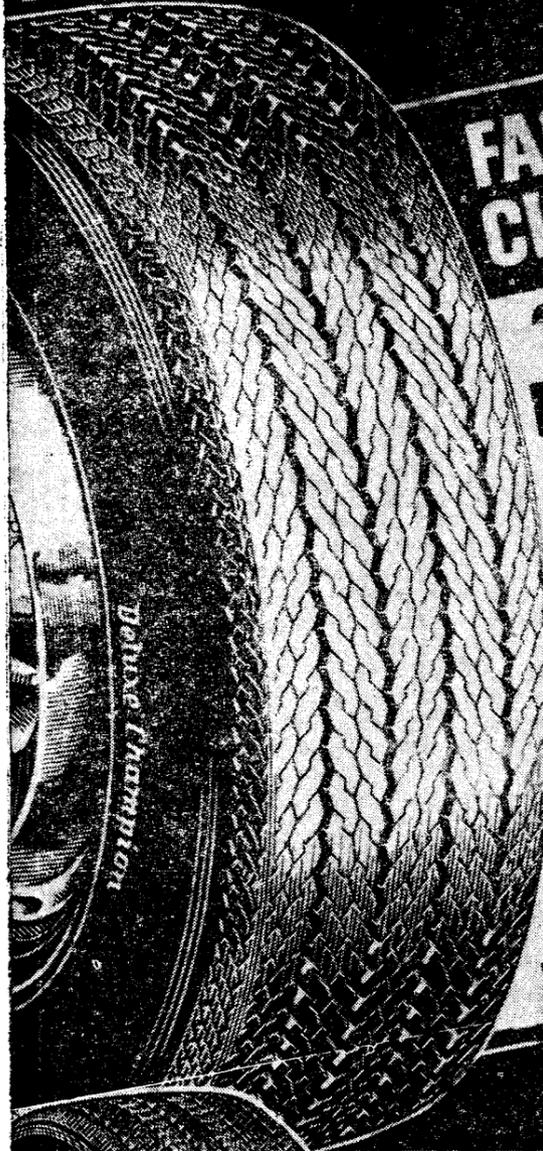
ALSO immediately following the above sale, 2 residential lots will be offered. They are adjacent to the above property. One lot has 140 ft. frontage on Echols Street, and one corner lot has 141 ft. frontage on Echols Street and 179 ft. frontage on McClung Avenue. These will be offered separately and then as a whole along with the Antebellum home mentioned above. TERMS: 25% down sale day. Balance due in 15 days. This is the first time property of this vintage and value has been offered at "Auction" in the City of Huntsville.

COLE AUCTION CO.

509 MADISON STREET
HUNTSVILLE, ALABAMA

PHONE 539-4328

Firestone TIRES



**FACTORY
CLOSE-OUT**

**WHILE
STOCKS
LAST!!**

**Firestone
DELUXE CHAMPION**
Discontinued Design

The original equipment tire that came on many of
America's finest new cars from 1967 thru 1969.

COMPACT SIZES

2 \$40
FOR

Plus \$1.65 to \$1.90 per tire Fed. excise tax (depending on size)
and 2 tires off your car.

STANDARD CAR SIZES

2 \$45
FOR

Plus \$1.84 to \$2.04 per tire Fed. excise
tax and 2 tires off your car.

2 \$50
FOR

Plus \$2.17 to \$2.45 per tire Fed. excise
tax and 2 tires off your car.

WHITEWALLS ADD \$3.50 EACH

Charge It!
Credit established
in minutes

Our popular low priced
full 4-PLY NYLON CORD tire

**Firestone
CHAMPION**

2 \$30
FOR

COMPACT CARS

8.00-13 or 6.50-13
Tubelless Blackwalls
Plus \$1.00 or \$1.70
per tire Fed. excise
tax and 2 tires off
your car.

Whitewalls slightly higher

2 \$35
FOR

Plus \$2.04 to \$2.19 per tire Fed. excise
tax and 2 tires off your car.

2 \$40
FOR

Plus \$2.33 to \$2.36 per tire Fed. excise
tax and 2 tires off your car.

THE STRONG ONE

**Firestone
DELUXE CHAMPION
SUP-R-BELT 78**

The BELTED tire that's ORIGINAL EQUIPMENT
on many of America's finest new 1970 cars.

Check our price on your size today!

The new "78" has Firestone's
exclusive triple-strength con-
struction. That's the special
way Firestone builds the tread
to the cord body, reinforces
the sidewalls and insulates
every cord to give you a
stronger, cooler run-
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CHOICE OF 3 GRADES OF FINE QUALITY FIRESTONE MOTOR LINING

\$19 \$24 \$29

GUARANTEED 10,000 MILES OR ONE YEAR

GUARANTEED 20,000 MILES OR TWO YEARS

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Prices above for drum-type brakes on Ford, Chevy, Plymouth,
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HERE'S WHAT WE DO:
• Replace Linings and shoes on
all 4 wheels with new Firestone linings
• Adjust brakes for full drum contact
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GUARANTEE
We guarantee our brake lining for the full
lifetime of miles or years from date of installa-
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ducts are subject to normal wear and tear. We
do not warrant against normal wear and tear.

CHARGE IT! CONVENIENT TERMS FOR APPROVED CREDIT CUSTOMERS

Firestone DLC-100
RETREADS ON SOUND TIRE BODIES

2 \$19.70
FOR

Plus 37¢ to 55¢ per tire
Fed. excise tax and 2
recappable tires of same
size off your car.

ANY SIZE LISTED

7.35-14	7.35-15	6.50-13	Blackwalls
6.95-14	5.90-15	7.00-13	

Large size 2 for \$23.70 Whitewalls add \$2.50 per pair

**BRAKE & FRONT END
SERVICE OFFER**

HERE'S WHAT WE DO.

1. Align front end
2. Balance front wheels
3. Repack outer front wheel bearings
4. Adjust brakes (drum type)

ALL \$9.95
FOR ONLY

Most American cars.
Parts extra if needed.
Cars with torsion bars
or air conditioner higher.

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NOW
SAVE**

PICK-UPS, VANS, CAMPERS

Get truck tires at less than the cost
of many passenger car tires... get

Firestone TRANSPORT
Heavy duty 6-ply nylon cord truck tires

SIZE	PRICE	FED. EX. TAX	SIZE	PRICE	FED. EX. TAX
7.00-13	\$21.05	\$2.32	8.50-16	\$25.60	\$2.81
7.00-14	23.30	2.57	7.00-15	30.65	3.00
6.70-15	23.40	2.40	7.50-16	34.95	3.39
7.00-15	30.85	2.86	7.00-17	35.65	3.34
7.10-15	27.95	2.93			

*Tube-type
†Whitewalls slightly higher

All prices PLUS taxes and tire off your vehicle.

DRIVE IN TODAY FOR FAST SERVICE BY TIRE SPECIALISTS!

Prices as shown in Firestone Stores. Competitively priced at Firestone Dealers and at all service stations displaying the Firestone sign.

WITH THIS COUPON
Famous Brand
Shock Absorbers
When you buy the first
3 at our everyday low
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Front End Alignment
Most American Cars
Parts extra.
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\$3.48

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Wheel weights
included.
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\$1.48
PER WHEEL

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**REPACK OUTER FRONT
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Cars & Light Trucks.
BOTH FRONT WHEELS
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Tire Rotation
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ALL 5 TIRES
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Firestone Motor King
BATTERY
Guaranteed 12 mos.
12-volt Exch.
MK-22FC MK-24C MK-24F

\$14.95

WITH THIS COUPON
Brake Adjustment
Cars & Light Trucks.
Drum type brakes
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