

# The Redstone Rocket

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REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

JUNE 3, 1964

**Arsenal-Wide  
Spot News  
Dial 112**

## AMC FOUR-STAR OUTFIT

### Personnel Managers Hear Civil Service Chairman

John Macy Jr., chairman of the U. S. Civil Service Commission, visited the Army Missile Command and the Marshall Space Flight Center Thursday, and that evening addressed the local chapter of the Society for Personnel Administration.

At the Missile Command, he was welcomed by Maj. Gen. John Zierdt, Commanding General. Macy then spoke to key personnel before he was given an orientation tour of the Francis J. McMorrow Missile Laboratories.

His meeting at the Space Flight Center included a session with Dr. Wernher von Braun and an address to Center executives.

In the evening, he spoke to members of the Society for Personnel Administration after a dinner meeting at the Squirrel Hill Officers Club.

In addition to giving the administrators a prescription for meeting the challenges of their positions, he thanked the society "for giving me an opportunity to address an SPA chapter with a woman president." She is Mrs. Katy M. Lyle. Macy said he was pleased to see that the President's goal of giving women equal opportunities is being honored at the Missile Command and thanked the administrators for President Johnson and himself.

He told personnel administrators that to meet the obligations of their positions fully, they must first recognize the breadth of responsibility personnel administration has in the particular program.

He said they need to join the quest for quality in the federal service and look for the ablest people—not advancing inadequate people beyond the point where they are able to contribute. Macy also said that equality has a place in overcoming established attitudes.

Dealing with employee groups, (See MACY TALKS on Page 2)

### Kenneth Joy Heads New Staff Office

A missile system, like a parachute, must function perfectly—once! When it's needed.

But, unlike a parachute, a missile system is made up of thousands of intricate parts. And one malfunction, one defective piece of materiel or flaw in design can render it useless.

This is why a new staff office has been organized at the U. S. Army Missile Command.

The Quality and Reliability Management Office has the task of assuring that all missile and rocket materiel conforms to the requirements of the user and that the

(See JOY HEADS on Page 3)



KENNETH E. JOY



GEN. FRANK S. BESSON, JR.  
AMC Commanding General

### Gen. Besson Achieves New First

Gen. Frank S. Besson, Jr., has been promoted to a four-star general, becoming the first U. S. Army officer to achieve this rank as head of a logistical organization during peacetime.

The U. S. Senate confirmed President Johnson's nomination of him for the additional star last week.

Gen. Besson commands the U. S. Army Materiel Command, with headquarters in Washington, D. C. He is responsible for the spending of about \$8 billion annually in providing the Army and Allied Forces with weapons, vehicles, and communications equipment.

The Materiel Command is the parent organization for the Army Missile Command.

The only precedent for such an appointment is Gen. Brehon B. Somervell who was accorded four-star rank during the last few months of his service as head of the Army Service Forces in World War II.

The Army Materiel Command is an expansion of the World War II Army Service Forces in that its functions include research, development and testing, as well as supply and distribution.

At 53, Gen. Besson is the youngest four-star general in the Army and 75th to attain that rank during the history of the Army.

During the reorganization of the Army two years ago he was assigned the task of organizing and commanding all of the Army's wholesale logistical elements which have 175,000 military and civilian personnel at 233 installations with a materiel inventory of approximately \$18.3 billion.

A graduate of the United States Military Academy, Class of '32, (See GEN. BESSON on Page 3)

### Top Japanese General Pays Visit To Redstone

The chief of staff of the Japanese Ground Self Defense Force visited military facilities at Redstone Arsenal Monday and Tuesday.

He was Gen. Kan Ohmori, the Japanese counterpart to Gen. Earl G. Wheeler, U. S. Army chief of staff.

Gen. Ohmori was greeted by Maj. Gen. John G. Zierdt, Com-

manding General of the Army Missile Command, and Col. William J. Macpherson, Commandant of the Army Ordnance Guided Missile School at Redstone, along with other officials.

Also on hand to greet the Japanese general was Col. Masakazu Kuramochi, who is Japanese liaison officer at the Guided Missile (See JAPANESE on Page 3)

### Col. McClain Receives Legion Of Merit At Retreat, Review

Col. Harry C. McClain received the Legion of Merit from Maj. Gen. John G. Zierdt while rain drenched the participants and spectators at the Retreat Parade and Review Thursday afternoon on the Redstone Arsenal parade field.

Col. McClain Surgeon, Army-Missile Command and retiring Specialist Ryland R. Jordan, OGMS, shared the stand with the reviewing officer, Gen. Zierdt, Commanding General of the Army Missile Command, as the troops passed in review.

Col. McClain's award, the highest the peacetime soldier can earn, was awarded as the result of his efforts in reorganizing the medical services and facilities to meet the needs at Redstone Arsenal in 1958 when research in missiles and rockets was moving ahead by leaps and bounds while the medical service and facilities were about five years behind times in terms of equipment, types of services offered and physical plant.

Under the Colonel's direction the office, bed space, laboratory, and other services were expanded

to meet the needs of the mushrooming military population at the Arsenal.

Col. McClain came to Redstone from Ft. Benning, Ga., where he had been the commander of the 54th Medical Group since January, 1956.

During World War II, he served in the European Theater of Operations and in 1954 became Corps Surgeon for the 9th U. S. Corps, Far East Command. He was also senior medical advisor for the Republic of Korea Army until his assignment at Ft. Benning.

The colonel has been active in Youth Activities on Post and is on the executive board council for Boy Scouts of America and an institutional representative for the Girl Scouts of America.

A native of Pennsylvania, he received a bachelor of science degree in pre-medicine from Juniata College, Huntington, and earned his medical degree at Jefferson Medical College in Philadelphia. He was commissioned a Reserve first lieutenant in the Medical Corps in July, 1942.

He includes the Purple Heart (See COL. McCLAIN on Page 3)



RECEIVES LEGION OF MERIT—Col. Harry C. McClain, retiring from the Army, receives the Legion of Merit for his work at the U. S. Army Hospital at Redstone Arsenal. Maj. Gen. John G. Zierdt, Commanding General of the Army Missile Command makes the presentation during a Retreat Parade and Review Thursday afternoon. Col. McClain has served as the Missile Command Surgeon since 1958.

# 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., Bldg. 5250, Room A-136, Extension 876-4161.

All advertising copy and payments therefor are received by Mrs. Zillah T. Hesth, Huntsville, Ala., P. O. Box 346, telephone 534-4701, as representative of the publisher. Advertising deadline—both display and wanted—is noon of Friday before publication.

The Redstone Rocket is distributed free of cost to personnel at Redstone Arsenal. Mailing rates off post for the Rocket are \$6.36 a year, or \$3.50 for six months, tax included. Mailing arrangements may be made with the publisher, P. O. Box 520, Huntsville, Ala.

## Rocket Ruminations

"It is better to wear out than to rust out."  
—Bishop Richard Cumberland

## Four Stars Now

General Besson's fourth star, approved by the U. S. Senate last week, is proof of the importance that the Executive and Legislative branches of Federal Government place on the materiel readiness of the modern U. S. Army.

The Commanding General of the U. S. Army Materiel Command is the first officer to achieve four-star rank as the head of a logistical organization during peacetime.

We of the Army Missile Command, one of the seven major sub-commands of AMC, are proud that our parent organization has been singled out for this distinction.

The recognition is also a personal tribute to General Besson. Barely two years ago he was assigned the job of heading a new organization which was to take numerous existing organizations and fragments of others to draw together, furnishing central direction of the total Army materiel effort.

The hurdles have been high and close together. The fact that they have been cleared with a minimum of confusion, adding stature to the nation's total defense effort, tells the reason the President and the Senate of the United States saw fit to make the Army Materiel Command a four-star outfit.

## Sergeant, Pershing Work Will Cost \$36 Million

The U. S. Army has announced the award of \$36,098,223 in contracts for work on the Sergeant and Pershing missiles and for the design and fabrication of a radar system in connection with a research study.

A \$275 million award went to the Martin Company for production of Pershing ground support equipment. The work will be done at the company's Orlando, Fla. plant.

A firm fixed price contract of \$5,830,223 was awarded to Sperry Utah Co. for production of Sergeant missile components.

Sylvania Electric Products, Inc., Waltham, Mass. received \$2,768,000 for work on a radar system for use in "Project Defender," a study which is under the auspices of the Advanced Research Projects Agency. Work under the contract will be performed in Walt-

ham and White Sands Missile Range, N. M.

Pershing, a two-stage, solid propellant missile which is now operational and the Sergeant, a surface-to-surface, single stage missile are projects managed from headquarters at the Army Missile Command. Col E. I. Donley is the Pershing Project Manager; Col. J. M. Loomis is Sergeant Project Manager.

The Birmingham Procurement District will administer the Pershing award, and the Boston Procurement District has administration responsibilities for the award for radar work. The Missile Command's Procurement and Production Directorate negotiated and executed the Sergeant contract. Balance of the administration will be turned over to the Los Angeles Procurement District.

## Mobility Command Realigns Workload

AMC Headquarters has announced a realignment of the Mobility Command Headquarters in Warren, Mich., effective July 1.

MOCOM Headquarters retains its present mission and will remain in its new headquarters building at Detroit Arsenal. Maj. Gen. Alden K. Sibley has been designated Deputy CG for Mobility, AMC, as well as MOCOM CG.

Primary purpose of the move is to permit the three large subordinate commands of MOCOM more direct communication on operational matters with AMC Headquarters, other elements of AMC and other Army agencies.

By July 1, all MOCOM activities will be consolidated into three major materiel centers: The Army Tank Automotive Center at Warren; the Army Aviation Materiel Command in St. Louis and the new Mobility Equipment Center, also in St. Louis. The Engineer R&D Labs at Ft. Belvoir and the Engineer Procurement Office, Chicago, will remain in those locations as subordinate installations of the Mobility Equipment Center.

MOCOM Headquarters recently shifted from the Michigan Ordnance Missile plant to Detroit Arsenal. This permitted consolidation of a number of support functions and a consequent reduction in MOCOM Headquarters personnel strength. Following the present realignment, the MOCOM staff will be reduced from about 550 to a planned strength of about 200. All MOCOM personnel affected will be provided Army employment in the Detroit area. Completion of personnel adjustments is scheduled within six to 12 months.



OFFICIALS VISIT REDSTONE—These two key civil service officials visited the Army Missile Command last week. Left is John W. Macy, Jr., Chairman of the U. S. Civil Service Commission in Washington, D.C. With him is R. O. Dale Anderson, Chief, Employee Management Division in the Office of Civilian Personnel.

## MACY TALKS

(Continued From Page 1)

Macy said, personnel administrators must realize they represent management.

He cautioned, "All of us must have a clearer identification with management itself."

In conclusion he admonished the group to remember the individual, something many administrators tend to forget, and he lauded the society on the high level of achievement he had observed during his day at Redstone Arsenal. He said the manner in which the government conducts its business is the bellwether for all business.

Macy was accompanied to Huntsville by a group of top personnel administrators from Washington

and Atlanta. Luther Adams, mediate past president of chapter, introduced guests, James A. Wilson, deputy director of the Atlanta Region of Civil Service Commission, introduced Macy.

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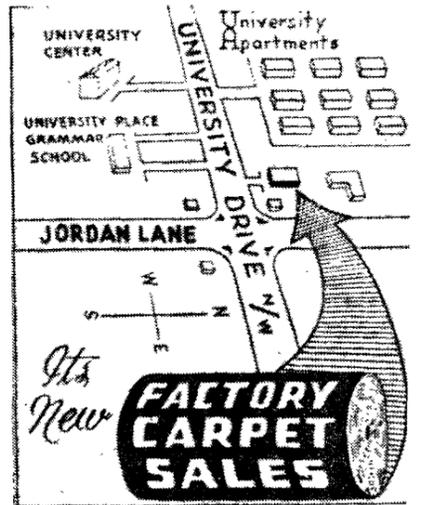
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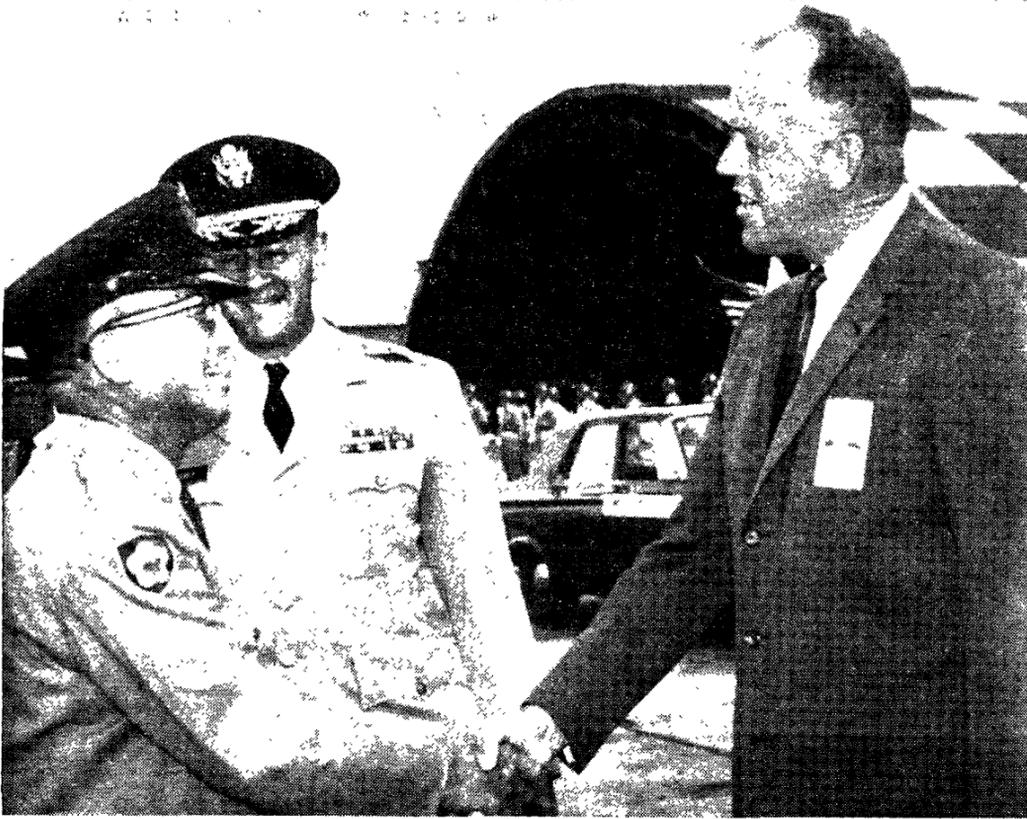
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**LONG-TIME FRIENDS MEET AGAIN**—Japanese Gen. Kan Ohmori, left, Chief of Staff of the Japanese Ground Self Defense Force, shakes hands with Paynee Lysne, operations officer of the Aviation Section at Redstone Arsenal. Lysne knew Gen. Ohmori while serving in Japan from 1959 until 1962, as chief Army aviation advisor. Maj. Gen. John G. Zierdt, Commanding General of the Army Missile Command (center) greeted Gen. Ohmori when he arrived at Redstone Monday for a visit to military facilities.

**JAPANESE**

(Continued From Page 1)

School.  
The Japanese general was accompanied by three of his countrymen on the tour of military facilities at Redstone. They included Maj. Gen. Hiroshi Watanabe, Chief, 33 Division, GSO; Col. Toshinkata Mai, Japanese military attache to the United States; and Gen. Ohmori's aide-de-camp, Lt. Col. Shinichi Ohtsuka.  
Gen. Ohmori's party received military honors when it arrived Monday morning at the Redstone Arsenal airstrip. Later in the day, the officials heard a description of the missile related work underway at the Missile Command and

toured a variety of Research and Development facilities.  
Tuesday, Gen. Ohmori visited facilities at the Army Ordnance Guided Missile School and met with Japanese students who are receiving training at the Army's missile academy.  
During his visit to the Ordnance Guided Missile School, Gen. Ohmori toured classrooms, laboratories and hardstands. He visited with Japanese students in both the Department of Individual Training and in the Unit Training Command.  
The Japanese officials left Redstone Tuesday afternoon following a brief visit to the George C. Marshall Space Flight Center at Redstone.

**GEN. BESSON**

(Continued From Page 1)

and Massachusetts Institute of Technology, Class of '35, his early career was noted for the role he played in the development of portable military pipelines, steel airplane landing mats, and steel treadway bridges. He is credited with the studies which led to the Army adoption of the Bailey bridge which was used extensively throughout all World II theaters.  
As Director of the Third Military Railway Service in Iran during 1944 and 1945, he was charged with insuring the vital flow of war materials to the Russian Forces through the Persian Corridor. While in this assignment, he was promoted to brigadier general, becoming at 34, the youngest general officer in Army ground forces.  
During the first year of the occupation in Japan, Gen. Besson directed the rehabilitation of the Japanese rail system. In moving more than 200,000 troops of the Eighth Army and 150,000 tons of supplies in the first two months of the occupation, he was credited by Gen. Robert L. Eichelberger as having contributed the greatest single factor in the results attained.  
A contributor to many transportation innovations, he stimulated both military and commercial adoption of containerization and improved water terminal practices. He introduced the roll-on/roll-off technique for the rapid loading and discharge of wheeled and tracked vehicles. He is still known to the National Transportation Fraternity as the "daddy of containerization and Ro/Ro."  
Gen. Besson's other assignments have included: Commander of the Transportation Center, Fort Eustis, Va.; Assistant Chief of Staff, Supreme Headquarters, Allied Powers Europe; and U. S. Army Chief of Transportation.  
In May, 1962 he guided the establishment of the Army Materiel Command and has since headed this farflung organization using both traditional military management techniques and a vertical type of project management.  
For the latter, 34 project managers have been assigned to expedite the development of high priority weapons and equipment systems. He operates through seven major subordinate commands in directing the efforts of research and development laboratories, depots, arsenals, procurement offices, maintenance shops, proving grounds, test facilities, and transportation terminals throughout the United States. Of the seven major commands, five are commodity oriented — Electronics, Missiles,

**JOY HEADS**

(Continued From Page 1)

product will perform satisfactorily.  
Headed by Kenneth E. Joy, the new office is actually a combination of the Quality Assurance Division and the Reliability Branch. Joy, former chief of the Quality Assurance Division, says the staff office will provide much greater efficiency.  
"We can give the many missile systems much greater program continuity," Joy said, "and we now have a central point of contact relating to all quality and reliability policies."  
"All echelons of the Missile Command will be provided with timely appraisals of quality and reliability data which will be suitable for all levels of management in making major program determinations and decisions," he said. There are three major divisions

under the new office.  
Miles R. Hardenburgh heads the Requirements and Policies Division, James E. Holt the Program Review and Evaluation Division and Robert O. Black the Systems Assessment Division.  
Joy's Special Assistant is William T. Anderson.

**COL. McCLAIN**

(Continued From Page 1)

with Oak Leaf Cluster and the Army Commendation Ribbon with metal pendant and Oak Leaf Cluster among the decorations he has earned.  
A member of a number of Medical Societies, the Colonel is also active in Masonic work including Scottish Rites, the Shrine, National Sojourners and Heroes of '76.  
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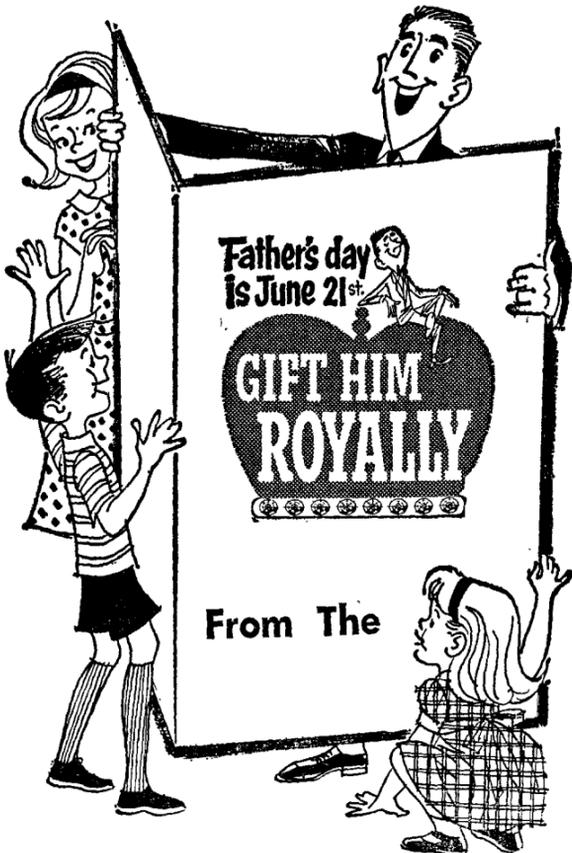
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# Memorial Fund Drive Is Now Underway Here

A fund raising drive to help erect a national memorial to the late President Kennedy is now underway at Redstone Arsenal and military and civilian employees of the government will be given an opportunity to participate through June 15.

The John Fitzgerald Kennedy Library, which is expected to cost nearly \$10,000,000, will be built on the banks of the Charles River in Boston, Mass.

The Kennedy Library will house a complete record of the life, the times and the administration of the late President of the United States.

The drive at the Army Missile Command is being conducted by the Federal Plans Coordinating Committee under the chairmanship of James J. Fagan of the Directorate of Research and Development.

Employees of the Command will be solicited by key personnel within their own organization, Fagan said.

President Kennedy personally selected the site only eight weeks before his tragic death. He had intended to make his office there and had hoped to make it a center for the training and education of young people, both from America and abroad, who wished to pursue careers of public service.

When the library is completed, it will become the property of the United States Government which will assume responsibility for its maintenance and operation.

Maj. Gen. John G. Zierdt, Commanding General of the U. S. Army Missile Command, has given his endorsement to the local campaign.

"I hope that all personnel of the

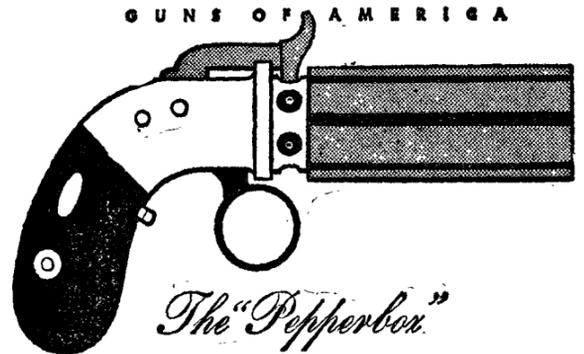
Missile Command will support the drive for a lasting tribute to Mr. Kennedy," Gen. Zierdt said.

President Kennedy had shown a tremendous interest in the vital work being done at Redstone Arsenal and had made two trips here, his last on Armed Forces Day little more than a year ago. He endeared himself to countless thousands when, after making a speech, he veered into the crowd where he shook hands and was touched by hundreds of people.

The Kennedy Library will be more than simply a monument. It will be a living museum of the most exciting episodes of the Kennedy era and will express his deep concern for his country and the world. Built from voluntary contributions—large and small—from all Americans, the library will belong to all Americans.

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♣ The pepperbox pistol, first made in the 16th Century, had several barrels clustered around an axis so that they could be revolved either by hand, or by action of the trigger. Extremely popular in the United States from about 1836 to 1850, these muzzle heavy weapons were made for close range defensive shooting.

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**REGISTRATION: JUNE 11 - 12 — 12:00 - 7:00 p.m.**

**Last Day of Registration: JUNE 24**

### SCHEDULE OF CLASSES

**MONDAY AND WEDNESDAY**

COURSE	TITLE - PREREQUISITE	SEM. HRS.
EH	—English Composition (10:10 a.m.-12:15 p.m.) (See footnote)	3
BIO 1	—General Biology (Plant) 1:00-3:05 p.m. (Lab. Thurs. 1-5 p.m.) - None	4

**FIRST PERIOD (3:50 - 5:55 p.m.)**

<b>EE 181</b>	<b>Electromagnetic Fields and Waves</b> - EE 134	3
<b>IE 255</b>	<b>Statistical Analysis for Engineers</b> - MA 51	3
	Graduate standing - permission of Instructor	3
<b>MA 126</b>	<b>Partial Differential Equations</b> - normally preceded by MA 123	3
<b>MA 271</b>	<b>Algebraic Topology I</b> - MA 142 and either 170 or 171, or permission of instructor	3
<b>PH 103b</b>	<b>Elem. Quantum Mechanics</b> - PH 53, PH 72, MA 51	3

**SECOND PERIOD (6:00 - 8:05 p.m.)**

ACC 2	Principles of Accounting - ACC 1	3
BIO 2	General Biology (Animal) - None (Lab Fri. 6-10 p.m.)	4
CH 1	General Chemistry - MA 9 (Lab. Fri. 6-10 p.m.)	4
DR 11	Engineering Drawing (Lab. Fri. 6-10 p.m.) - MA 9 or prev. instruction in mech. drawing	2
EC 1	American Economic History - None	3
EH 1	English Composition - See footnote	3
EH 2	English Composition - EH 1	3
EII 6	English Literature - EH 5	3
<b>GES 221</b>	<b>Grad. Engineering Analysis I</b> - MA 53 Graduate standing	3
GN 4	Intermediate German - GN 3	3
HY 2	History of Western Civilization - None	3
MA 01	High School Algebra - None	N/C
MA 9	College Algebra - See footnote	3
MA 11	Introductory College Mathematics - See footnote	3
MA 25	Analytic Geometry and Calculus - MA 15, MA 11 recommended	3
MA 51	Calculus - MA 49b	4
MA 98	Intro. to Differential Equations - MA 91	3
<b>MA 113</b>	<b>Numerical Analysis I</b> - 17 hrs. math	3
<b>MH 155</b>	<b>Mechanical Vibrations</b> - MH 56, MH 64, MA 53	3
PH 6c	Technical-Physics (Heat, Light, Sound) - PH 5c (Lab. Tues. 5-8 p.m.)	3

**THIRD PERIOD (8:10 - 10:15 p.m.)**

ACC 3	Accounting Analysis - ACC 2	3
DR 5	Fund. of Mech. Drawing - None (Lab. Fri. 6-10 p.m.)	2
EC 12	Principles of Economics - EC 11	3
EH 03	Fund. of English - None	N/C
EII 1	English Composition - See footnote	3
EH 9	American Literature - EH 2	3
EH 41	English Composition for Engineers - See footnote	3
GN 2	Elementary German - GN 1	3
GY 1	Physical Geography (Accepted as a Natural Lab. Science in A&S and Education) Lab. Sat. 9-12 noon - None	4
MA 15	Analytic Trigonometry - MA 9 or MA 11	3
MA 49b	Calculus and Analytic Geometry - MA 49a	2
MA 73	Theory of Equations - MA 51	3
MH 55	Statics - MA 49, PH 5c, preceding or parallel MA 51	3
PH 53	Intro. to Atomic and Nuclear Physics - 8 hrs. of Physics	3
PSC 1	Principles of American Gov't - None	3
PSC 5	Intro. to Foreign Gov't - Soph. standing or perm. of Instr.	3

**TUESDAY AND THURSDAY**

COURSE	TITLE - PREREQUISITE	SEM. HRS.
MA 9	College Algebra (8:00-10:05 a.m.) - See footnote	3
FR 1	Elementary French (10:10 a.m. - 12:15 p.m.) - None	3
ART	Painting Workshop, Tues. only, 9 - 12 noon - None	N/C

**FIRST PERIOD (3:50 - 5:55 p.m.)**

<b>EE 210</b>	<b>Analog Computer Techniques</b> - MA 53, Grad. standing	3
<b>EE 212</b>	<b>Network Synthesis</b> - EE 211, Grad standing	3
<b>MA 144</b>	<b>Determinants and Matrices</b> - 17 hrs. math	3
<b>ME 303</b>	<b>Mechanics of Rarefied Gases</b> - Perm. of Instr., Grad. standing	3
<b>PH 252</b>	<b>Quantum Mechanics</b> - PH 251, Grad. standing	3

**SECOND PERIOD (6:00 - 8:05 p.m.)**

ACC 1	Principles of Accounting - None	3
ART 11a, 11b, 12a, 12b	Drawing (Tues. only, 6-10 p.m.) - None	1½
EC 11	Principles of Economics - None	3
EH 5	English Literature - EH 2	3
EH 75	The English Novel - 9 hrs. EH	3
FR 3	Intermediate French - FR 2	3
GES 77	Nature and Property of Materials - CH 15, PH 6, MA 49	3
<b>GES 222</b>	<b>Grad. Engineering Analysis II, GES 221, Grad. standing</b>	3
GN 1	Elementary German - None	3
HY 74	U. S. Foreign Relations Since 1898 - 9 hrs. HY or senior stand.	3
MA 15	Analytic Trigonometry - MA 9 or 11	3
<b>MA 181</b>	<b>Theory of Statistics</b> - 17 hrs. of math	3
ME 95	Thermodynamics I - PH 5, MA 51	3
ME 140	Heat Transfer - ME 95	3
<b>MH 265</b>	<b>Theory of Elasticity I</b> - <b>MH 251</b> , grad. standing	3
PH 5c	Technical Physics (Mechanics) - MA 25 or parallel; recommended parallel MA 49a (Lab. Mon. 5-8 p.m.)	3
PY 7	Psychology of Adjustment - PY 1	3

**THIRD PERIOD (8:10 - 10:15 p.m.)**

EE 95	Electric Circuits - PH 6, MA 51	3
EH 1	English Composition (See footnote)	3
EH 2	English Composition - EH 1	3
EH 65	Shakespeare - 9 hrs. English	3
FR 4	Intermediate French - FR 3	3
GN 9	Scientific German - GN 2	3
HY 22	United States Since 1865 - None	3
MA 9	College Algebra - See footnote	3
MA 25	Analytic Geometry and Calculus - MA 15, MA 11 recommended	3
MA 49a	Calculus and Anal. Geometry - MA 25	3
MA 53	Applied Differential Equations - MA 51	3
MH 56	Dynamics - MH 55, MA 51	3
MH 64b	Mechanics of Materials - MH 64a, MA 51	2
MH 80	Fluid Mechanics - MH 56, ME 95	3
MKT 6	Business Correspondence - EH 2	3
PH 72b	Mechanics II - PH 72a	3
PY 1	Intro. of Psychology - None	3

**Boldface symbols indicate Graduate Study Program Courses.**

**FOOTNOTE:** Students are placed in appropriate sections of beginning English and Mathematics depending on score made on placement tests.

**L. Zierdt says:**

# Missiles Hold Long Time Potential

Looking to the future, the Army top missileman says: "We have a long way to go before we exhaust the potential of the missile."

At his how Maj. Gen. John G. Alt, Commanding General of Missile Command, summed up presentation on Army missiles the annual convention of the Union and Space Writers Association last week at Patrick, Fla.

After reviewing current missile programs, Gen. Zierdt outlined thoughts on Army future requirements as they relate to units, actual method of use the type of target the weapons are designed to defeat.

First, in terms of combat, he said, "every unit commander, be it a lieutenant commanding a platoon or a general commanding a division, should have at his disposal weapons capable of defeating any enemy target that may appear within his zone of influence on the battlefield. . . . becomes a function of weapon range. The platoon zone of influence may be a few thousand yards deep, the division, on the other hand needs a weapon effective over many miles.

Even more important in assessing our future requirements, is a weapon is used. Is it should-fired or ground mounted? Is it normally part of the armament of a tank or a helicopter? This is important—if for no other reason than traditionally there have been different weapons for each of these systems.

What of the target? How big? How hard, how fast? Where? On the whole, target categories break down . . . to ground target and then further, if a ground target to point or area. The question of relative vulnerability can be left to the type warhead used against it.

How does all this tie into the Army's long range goal? It is only quite simple. This is our long range goal—to have an effective weapon in each case. This is also our problem. A large number of combinations are possible. It is conceivable that the Army could end up with a multitude of weapons useful at platoon level but not by a company, or useful by platoon and company but not battalion or division. The stick tail would give any soldier nightmares. The cost would be astronomical.

A few things, it seems to me, are evident:

### Dual Capability

First, certain future weapons should have a dual capability—that is a capability for nuclear or non-nuclear fire. We can afford a multitude of special purpose weapons that tie up personnel, materiel and hard to come funds for the sole purpose of

firing a nuclear shot. It is perfectly conceivable that we could haul such a system around the battlefield for the entire war and never use it. If we have to have that nuclear shot we will need it right now, but in the meantime we'd like to get some work out of the delivery system . . . so we need dual capability.

"Second, we need multi-purpose weapons, missile systems that can be used for more than a single type target. Multi-purpose weapons, it seems to me, are the real key to reduced cost. They may cost more CASH to acquire, but their real cost in men, materiel, training, logistics, and so forth should be much less. The advantages of multipurpose systems are so great that it may be worthwhile to accept a slightly reduced capability against one type target to gain an additional capability against another.

"Although we would like these systems to be as simple as possible, we realize we are attempting to cope with complex threats. They may require complex solutions, but if they do, we want complexity in detail and where it can be handled, in the shop by engi-

neers and technicians, not on the battlefield where it will confound soldiers trying to fight . . .

### Reliability Stressed

"Similarly we want the emphasis shifted from maintaining missile systems to reliable missile systems. When systems get to the soldier they should be ready to fire—not ready to test.

Our standard characteristics will remain the same.

—Simplicity—systems simple to operate.

—Ruggedness—systems capable of withstanding the tactical environment either through design or protection.

—Reliability—systems capable of accomplishing their designed missions.

"These constitute the qualitative aspects of the future requirement. What are the standards of comparisons, our basis of choice?

"There is the question of priority. We really have only a few reasons for instigating development of a new system:

"First: To provide a new capability, give the soldier a weapon that will do something that must be done that he cannot do today.

"Second: To upgrade existing



capabilities to provide a weapon system to replace present systems which do not quite accomplish their job.

"Third: To provide a second generation capability where such a development promises substantial improvement over the present system or systems, and

"Fourth: To counter or defend against some new development of a potential enemy.

"Once the question of relative priority is resolved, there remains

one single measure that applies to all I have said: Cost and I mean cost in its broadest sense: The price that must be paid in manpower, materiel, funds and other resources to provide a given capability. This includes R&D, production, the training base, the logistic system, field maintenance and everything else that must be added in. Moreover, the cost of all weaponry must be considered for this can only take so much of the total Army budget and resources."

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# Support Command Leads Girls Softball League

By Jay Silverman

The larruping lasses from Headquarters AMSC took a big step toward settling a year long argument by walloping the Finance and Accounting Division girls 21-2 in a Civilian Girls Softball League game last Tuesday nite.

F&A drew first blood, when, in the first inning, they combined two hits and an error to score a run. However, their lead was short-lived. After two were out in their half of the second, the Headquarters team walloped four straight singles, an error, two walks, and a grand slam home run by Kathy Leeth to vault out in front 8-1.

While holding F&A scoreless over the next four frames, Headquarters continued to pound two F&A hurlers for more hits and runs. In the third inning, Headquarters got two more runs on six hits; in the fourth, 7 hits brought across 4 more runs. Then, in the fifth inning, with Gene Ventress and Shirley Tucker rapping two-baggers, the Headquarters women continued to roll, denting the plate three more times.

The F&A team, held at bay during most of the melee by the masterful hurling of Fran Foster, who did not issue one walk the entire game, put together two solid hits and a Headquarters error to score their second marker of the evening.

However, Headquarters was not to be denied this evening. Marie Sexton led off the sixth with a

long triple and scored a moment later as Kathy Leeth singled. Joyce Jones also singled, then Shirley Tucker came through with her second extra-base blow of the night, a triple, to knock in 2 more runs. Barbara Simmons rapped her fifth straight hit for the night, a double, to knock in the fourth run of the inning, then scored herself, making the score, which was final, 21-2.

F&A, allegedly the hottest competition for last year's champs, Headquarters, AMSC, fought and played hard throughout the game, but could not seem to recover from the disastrous second inning. The airtight Headquarters defense, in backing Miss Foster, turned in five double plays during the course of the game, and their hitting was powerful and plentiful. Kathy Leeth had three hits, including the grand slam, giving her 4 home runs in two games. Barbara Simmons went 5 for 5, while Joyce Jones, Claudelle Griggs and Fran Foster each had four hits for Headquarters. Top hitters for F&A included Glenda Kidd with 2 doubles, Jean Dove with two singles, and Robbie Burnett and June Byrd with a hit each. Glenda and June also played good games in the field for their team.

F&A's record now stands at 1-1. Headquarters record is a perfect 2-0, and, for the second straight year, they appear to be the Yankees of the girls softball league.

# Missileers Remain Winless

Just three outs away from the biggest upset of the year, the roof fell in on the MICOM softballers in the Redstone Softball league and the winless Missileers found their unbroken string of defeats reached nine games.

The MICOM nine fought the unbeaten B Company on better than even terms, and had a 7-6 lead at the end of six innings. But then their luck deserted them completely and B Company trotted nine big runs across the plate to take a 15-7 decision.

Two nights later the same kind of luck dogged MICOM from the start and were blanked by Bill Huber and the 184th Ordnance, 7-0. Huber turned in one of the finest pitching gems of the season, setting MICOM down with a single hit.

The Ordnance crew was the only two-time winner of the week, claiming a 12-7 win from the Officers in addition to the Huber gem. The two wins boosted the 184th into sole possession of second place.

Shelley Eiland delivered the big blow in the win from the Officers when he unloaded a three-run homer over the left field fence.

The Officers regained their winning stride with an 8-6 win over A Company.

Hq, UTC, edged ahead of the 4th ETC in the league standings when they hung a 13-1 defeat on the 4th, and the MPs got back on the winning track with a 9-4 conquest of C Company, as Frank Timpone took the decision from Gerhard Eggmeyer.

# Lucky Strikes Are Champs

The Lucky Strikes, winners of the ABC Wednesday Nite League, added the Arsenal team championship to their laurels last week when they outscored two other league champions in the Tournament of Champions.

The Strikers turned in a hand-capped pinfall of 8548 pins over the nine-game route to outdistance

# TROPHIES AWARDED AT LUNCH

# Mrs. Sentar Wins Spragins Tourney

# SHARPSHOOTERS CONTINUE TO WIN RIFLE TROPHIES

A trio of Redstone small bore rifle sharpshooters continued to accumulate trophies by the dozens last week when they went to Louisville to fire in the Kentucky State Championships.

The three, WG Irv Tabox, SP5 Keith Robson and PFC Gary McGee, came home with eight first place trophies and second runner up awards for their efforts.

Robson took his turn at setting the pace as he captured first place trophies for four events and the runner up award for three others.

McGee made his final appearance as a Redstone marksman with three firsts and another trio of seconds, while Tarbox captured one event and ended second best in one other.

The next meet on the agenda for the Redstone team will be the Tennessee State championships being held at Knoxville.

# 32nd Ordnance Is First Time Winner

Action was reduced to one game in the Redstone baseball league last week but that was all it took for the 32nd Ordnance to break into the win column for the first time with a 14-4 rout of Headquarters, STC.

Tom Hallas made it a matter of personal concern in getting his unit their first win after a pair of defeats by pitching and batting his mates to the conquest.

In the pitching department Hallas permitted just five hits while walking four to get the win over Nick Silletti. Neither Silletti nor his relievers, Al Birnbaum and Sam Morrison, had much luck with the Ordnance stickers who collected a total of 13 hits.

On the offense Hallas collected a double and a triple, driving in four runs and scoring three himself.

Mrs. E. O. Sentar (Claire) drove and putted her way into the championship of the Spragins Tournament at the Redstone Arsenal Golf Course Wednesday.

Trophies were awarded at lunch in the Rocket Room at the squirrel Hill Officers Club by the sponsors, Maj. Gen. R. L. Spragins (ret.), and Mrs. Spragins who presided as hostess at lunch.

Runnerup in the first flight was Mrs. William Wachsler. Mrs. Howard Ammerman received a trophy for low putts. The second flight winner was Mrs. Gene Budd and runnerup Mrs. William Clisson.

In the third flight Mrs. Stanley W. Tyler was winner with Mrs.

Lloyd Deppensmith following behind.

A new flight was added to this year's tournament: beginners. Winner in this division was Mrs. William H. Hodges. Mrs. Gary Lov was runnerup.

A special prize was awarded for "stick-to-it-iveness" This went Mrs. Harry Murray.

Mrs. Spragins used pots of geraniums, linked by streamers of iron table cloths of red and white checks as a decorative background. The head table was alfrescoed with oversize golf balls and golf clubs.

Approximately fifty golfers and special guests attended the annual event.

# Little Leaguers Ignore Weather, Play Ball Game

It takes a good deal more than overcast skies and scattered rain to dampen the spirit of Little League baseball players and the Redstone Arsenal youngsters are no exception.

Regular season play in the Arsenal Little League got underway on Saturday, May 23, despite threatening weather and enough rain to drive older style diamond performers inside. Actually many of the older folks did their part to make it a gala day, with some 200 ardent fans in the stands at the three locations.

The Arsenal's top policeman, Col. William Luk, headed the opening day festivities, although not in his usual role. The Arsenal Provost Marshal threw out the first pitch after the 55th Army Band and a trio of Boy Scouts had collaborated in the flag raising ceremony.

Once play started the youngsters went at one another with the usual type of youthful enthusiasm plus a whole lot of natural ability and each of the three games turned out to be well played games.

The closest contest was fought

at Redstone Park where the Rockets scored a run in the bottom of the sixth to edge out a 1-0 win over the Hawks.

Benny Williams of the Rockets and Howard (Punkin) Shelton of the Hawks traded home runs in the early going and Bob Gozia carried the winning run home in the last inning.

John Donnelly was the big show in the Lancers' 6-1 win over the Nikes. John turned in a one-hit pitching performance and hit a long home run to set the offensive pace as well.

The other game on the opening day card saw the Hercs jump out to an early lead over the Ajax and make it stand up for a 9-0 win. The losing Ajax crew tried vainly to overcome the early lead but were thwarted time and again by the sterling infield play of the Hercs.

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Aug. 15, 1914—Panama Canal formally opened.

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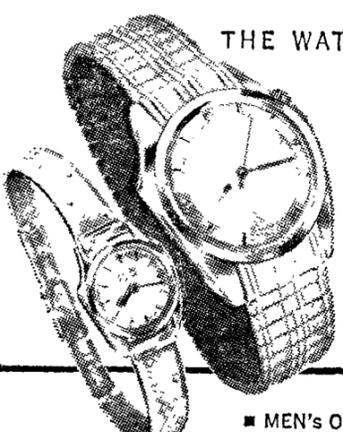
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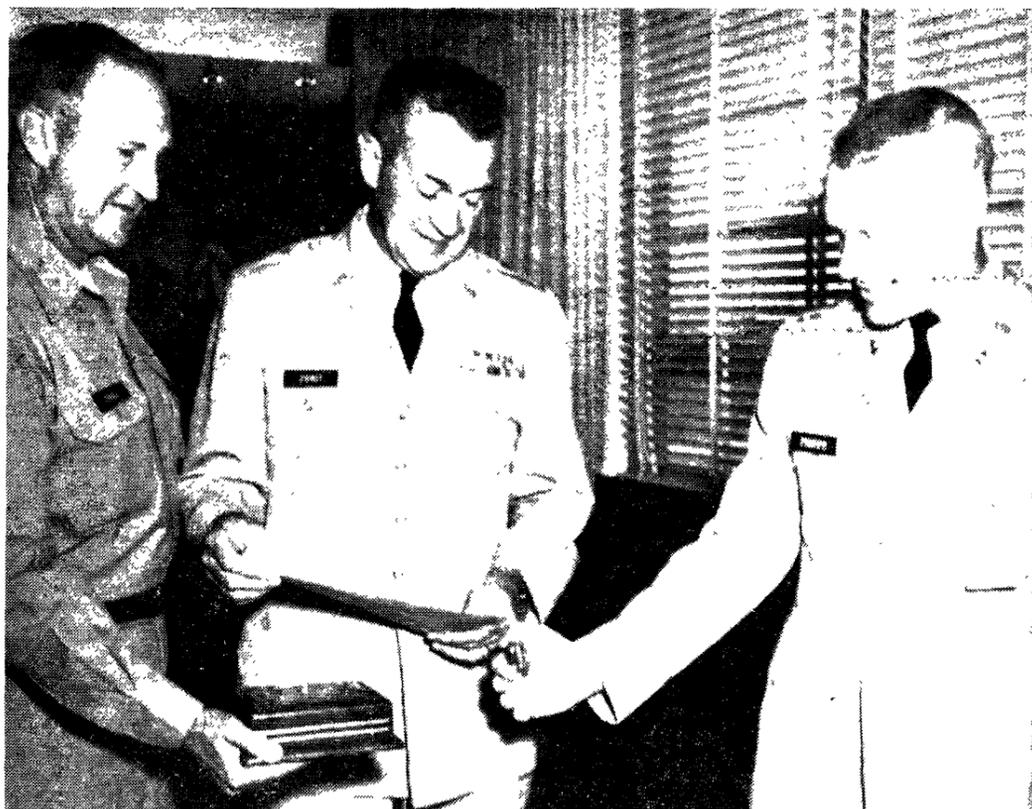
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**MORTGAGE BURNING**—For members of the Redstone Arsenal Officers Open Mess, burning a mortgage note is a special pleasure. Taking part in brief mortgage burning ceremonies last week were Maj. Gen. John G. Zierdt, (center), Commanding General, Col. Thomas W. Cooke, Commander, Army Missile Support Command, and 1st Lt. Olen C. Phipps, Jr., of the Army Ordnance Guided Missile School, who is the "junior" member of the Club's Board of Governors. The mortgage financed construction of a newly completed ballroom addition to the Officers Club. The club is supported solely by dues of membership.

## Zero Defects Seminar Planned Here

Zero Defects—the Defense Department's new program to raise quality standards throughout the defense industry—will be the theme of an all-day seminar June 7, 1964, sponsored by the U. S. Army Missile Command.

More than 300 missile prime contractors and subcontractors have been invited to attend this first in a series of Department of Defense-sponsored seminars.

The seminar will be held at the Huntsville Missile Command, under the leadership of Maj. Gen. John G. Zierdt, Commanding General, is the first military agency to host a Zero Defects seminar following DOD's adoption of the program. The Zero Defects program has been in effect at the Huntsville Missile Command for the past year.

In addition to General Zierdt, who will give the keynote address, representatives from industry, government, military and industry personnel will appear on the program.

These include: G. T. Willey, Vice President and General Manager of the Orlando Division of Martin Company; E. Woll, General Manager, Flight Propulsion Division of General Electric; F. W. O'Green, President, Guidance and Control Systems Division, Litton Industries; Brig. Gen. John A. Goshorn, Director of Procurement, Office of the Asst. Secretary of the Army (Installations and Logistics), and K. E. Joy and Miles R. Hardenburgh, both with the Huntsville Missile Command's Quality and Reliability Management Office.

Top DOD official at the seminar will be George E. Fouch, Deputy Assistant Secretary of Defense (Equipment Maintenance and Readiness).

The Zero Defects program, designed to motivate defense industry workers and military personnel throughout the defense establishment to "do the job right the first time," has been adopted as a new quality standard by the Department of Defense. It is basically a program of defect prevention rather than detection.

May 7, 1945—German High Command surrenders all land, sea, and air forces unconditionally to Allied forces, effective May 9. All offensive operations were immediately halted.

## Johnston Prepares Paper For Measurement Group

An electronic engineer from the Army Missile Command will be a session chairman at an unusual symposium on Measurements being held June 2-4 at the Massachusetts Institute of Technology.

Instead of papers being presented at the symposium, copies of all have been mailed to each participant for familiarization. The symposium will consist of discussions of the papers rather than presentations.

Steve Johnston, chief of the Radiation Systems Section in the Advanced Systems Laboratory, Directorate of Research and Development, will be chairman of a session to discuss calibration and range intercalibration, as well as measurement procedures and measurement data standards.

A paper written by Johnston, "Radar Reflectivity Measurement Format Standards," will be one of the papers discussed during the session.

Attendance will be limited to people actively working in the field of radar reflectivity.

The symposium is sponsored jointly by Lincoln Laboratories, the Army Materiel Command, Air Force, and the Advanced Research Projects Agency. Lincoln Laboratories will be host.

A veteran of 13 years in missile



**CIVIL SERVICE VETERAN**—Hugh Camp, a general engineer with the Army Missile Command's Directorate of Research and Development, put his slide rule away last week after more than 23 years of Federal civil service. Since coming to Redstone Arsenal in 1951, Camp has helped design warheads and fuzing devices for Army missiles in the research and development phase.

research, Johnston was founder of the Huntsville Section of the Institute of Radio Engineers, which later merged with another organization to become the Institute of Electrical and Electronic Engineers. He received the bachelor's and master's degrees in electronic engineering from the Georgia Institute of Technology.

Aug. 6, 1945—First atomic bomb dropped on Hiroshima, Japan.

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## SOCIAL and CLUB EVENTS

### Malone Makes Life Master In Tournament

Bob Malone, a member of the staff in the Office of the Deputy Commanding General, Land Combat Systems, became Huntsville's first Life Master in the Mid-South Regional Bridge Tournament at Little Rock recently.

Malone's partner was Charles Kittle of Memphis, Tenn. They placed in the mens pairs and open pairs. Malone won enough points to become a Life Master which requires a player to have 300 or more points, at least 30 of which have been won in National Championships or 50 of which have been won in specified regional events.

Currently there are about 5000 Life Masters in the United States.

Duplicate bridge in Huntsville has grown from one club averaging seven tables in 1958 to six clubs running nearly 15 tables each session now. This places Huntsville as one of the largest bridge playing centers in the Southeast according to Malone who says that good bridge players in the city are easy to find, but

it is harder to develop really good partnerships.

He says, "No one person ever wins and the surest way to winning bridge is to develop a good partnership for bidding as well as defensive playing."

### At The Service Club

By: Brenda Hanson

It has been said that all roads lead to Rome, but as we look around at the beaten paths around the Service Club, it occurs to us that maybe this is the Mecca of the area. Not only do we have missile men coming here for relaxation and recreation, but also for creative endeavors, artists, dancers, singers, writers, chefs, photographers, carpenters, painters, and lighting specialists are engaged in giving the Service Club Staff a hand with programs scheduled for the past two weeks and the weeks to come. Without these talented and versatile men, we would certainly be limited in what we could accomplish.

The first happening for the first week in June is the EM Council Meeting on Wednesday at 2 p.m.

At 8 p.m., a pinochle contest is scheduled. If you play pinochle, you may find it profitable to enter the contest. Prizes will be given to the winners.

Thursday? It's bridge time again. The weekly meeting of the Bridge Club will be at 7:30 p.m. This is an excellent way to while away some of your extra hours, and help to pass the time also.

Friday is the night for smoker poker. We furnish the cards, cigars, and chips, all that is lacking is the players. Care to join us for an evening of poker?

Saturday the 6th of June, we

Budget prices and easy-care fabrics highlighted the bulk of clothes shown at the Army Missile Command Officers Wives fashion show at the Squirrel Hill Officers Club last week.

The theme of the show was centered around a trip to the World's Fair and the refreshments were items that could be obtained from any hotdog stand along the midway. The serving booths were shielded by striped awnings or umbrellas.

Capt. John S. Farrington's piano replaced the show's blaring caliope with softer, purer tones but the songs were the same lively melodies that add the noise and excitement of the crowd.

Mrs. William D. Martin coordinated the show assisted by Mrs. Leo P. Hobbs, Mrs. Kenneth D. Cobb, III, Miss Lynn Irvin, Mrs. Luther O. Cox, Jr., and Mrs. James F. Wilson. Mrs. Martin also trained

open the doors of the Service Club at 1 p.m. The first event is "Coffee Hour," at 2:30 p.m. If you are just sitting around in the barracks confronted with the problem of "nothing to do," venture down to the Service Club. Here we have all sorts of equipment for you to enjoy. We have pool, ping pong, shuffleboard, musical instruments and many others too numerous to mention. Then, at 8 p.m., it's "Dessert Time." The desserts will be from the kitchen.

Sunday morning, we start the day off by serving coffee and donuts at 9 a.m. Come sip your coffee and relax in the cooled crouched retreat of the lounge and enjoy the melodious music. At 8 p.m., the record dance begins. The evening will swing out under the theme of "June Bug Swing." The attendance for the dances have been reaching record breaking heights, and we hope this continues.

Monday is game night. A good selection of prizes is awaiting for that person to yep the lucky word. So join us on Monday for game night. We now have two grand prizes.

That is all for this week, but keep an eye on this column for the upcoming events. By taking a sneak preview into Betty's little Red Book, I am able to give you some of the main programs. For the remainder of the month, we have a splash party, a picnic, and a semi-formal dance, plus other programs. We're looking forward to seeing you at the Service Club. —Brenda

### Capt. Tokei, Mrs. Bohn Win Mon. Bridge Games

Among the eight tables of competitors at Monday night bridge last week at the Squirrel Hill Officers Club, Capt. T. Tokei and Mrs. H. Bohn were winners.

Runnersup for the men and women were CWO J. N. Crawford and Mrs. John Brown.

Reservations are handled by Mrs. Ed Billings, Jr., 534-0597 to play with the group.

ed the models.

Mrs. Ethel McAnnally commented on the fashions from her shop, the Town and Country in downtown Huntsville.

Bold prints predominated in two-piece slack suits and some of the afternoon-into-evening dresses. Suits usually included a cover-up jacket over low cut, sleeveless shifts and sheaths. Colors were predominantly light and soft. Blouses covered every conceivable form of dress from the drawing room to the bathing beach.

Again this season, the ladies-in-waiting can coverup in high fashion.

Models were drawn from members of the Officers Wives Club and included Mrs. Derek P. Ballard, Mrs. Ernest W. Davis, Mrs. Don Drissell, Mrs. Denis Ewart-Evans, Miss Jennifer Ewart-Evans, Mrs. John Handy, Mrs. Roy Hammond,

Mrs. Gary E. Lovell, Mrs. W. E. Mehlinger, Mrs. William D. Martin, Mrs. Ronald T. Monford and Mrs. L. H. Ogden.

Chairman for the event was

Mrs. Charles R. Graham who Mrs. I. O. Drewry, Jr., Mrs. T. Collins, Mrs. A. V. Garrabr, Mrs. J. G. Caffrey and Mrs. Farrington on her committee. Mrs. Farrington also planned the entertainment which included musical comedy actress-singer, Je Coulhoise.

Mrs. B. P. Manderville, Jr., M. P. K. Seidelmann, and Mrs. S. Wyatt handled the reservation for nearly 150 guests and members of the Missile Command Officers Wives. Mrs. H. H. Hew handled publicity for the show.

The attendees themselves were both startling and stunning. Even one had been invited to wear "what you would wear to the fair. Imaginations included suits similar to the ones shown in the sty show and ran the gamut to mattress ticking, dresses and tennis shoes to match. Some were hats some carried parasols and a large number chose to meet weather bare headed. Belted and unbelted shifts were predominant in the wardrobes of the simulated fairgoers.

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### BOOK OF THE WEEK WE THE PEOPLE

By The United States Historical Society

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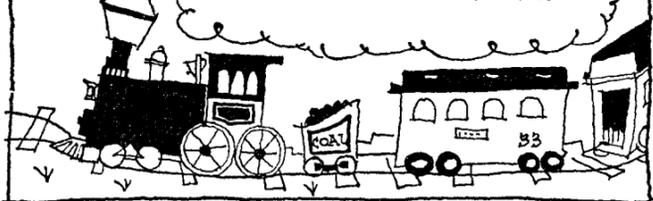
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**RECEIVES EPAULETTE**—Mrs. R. W. Mundy receives the epaulettes of her new position as Chairman of American Red Cross Volunteers at Redstone Arsenal from Maj. Hazel Evans, Chief Nurse at the U. S. Army Hospital. At right is the new Bloodmobile Chairman, Mrs. Denis Ewart-Evans. The ceremony took place Thursday at the Squirrel Hill Officers Club.



**LACROSSE GOES TO HAWAII**—Fred Tamura, president of the Hawaii Credit Union League, accepts a model of the LaCrosse missile from Redstone's Harold Carpenter during the recently concluded annual meeting of the Credit Union International Assn., at Madison, Wisc. Carpenter, an official of the Arsenal Credit Union, was elected treasurer of the international group. The missile was presented to the Hawaii League to help "blast off" that group's plans for a tour of the islands during the next annual meeting which will be held in San Francisco in May of 1965.

## Gray Ladies And Aides Presented Service Bars

Gray Ladies, Staff Aides and other volunteers for the American Red Cross at Redstone Arsenal received recognition for service at a Coffee Thursday morning at the Squirrel Hill Officers Club.

Mrs. L. O. Cox, substituting for Mrs. Glenn L. Bass, Chairman of Volunteers during the past year, acted as Mistress of Ceremonies.

Major Hazel Evans, Chief Nurse at the U. S. Army Hospital awarded service bars and certificates of appreciation to those who earned them.

Bars were presented June Arnold, Jan Brouns, Lucille Burch, Beverly Burnette, Jean Betts, Marjorie Drewry, Jane Ewart-Evans, Millie Gay, Betty Graham, Gilberte Gulbranson, Barbara Hammond, Edna Hirsch, Ann Hodges, Sharon Holmes, Gerry Wolfe, Kathrynne Woodward, Lilith Lewis, Nadine Miller, Olean Martin,

Lynell Meekison, Peg Nagle, Martha Neilson, Catherine Pierce, Janice Register, Alice Robinson, Peggy Vance, Virginia Vorba, Mary Ward and Millie Whalen, all of whom have worked as Gray Ladies during the past year—staffing the U. S. Army Hospital and the Red Cross Bloodmobile.

Five year pins to Gray Ladies went to Marguerite Bergmann, Lee Zierdt, Margarete Macy, Jane Osterman, Nadine Miller and Ruth Martinez.

Nurses aides who received bars were: Ginny Persons, Jean Loomis, Dorothy Fields and Joan Bass.

Two staff aides received bars: Gloria Hopkins and Imelda Kingston. Alma Hanson received both a bar and a five-year-pin.

Nurses earning bars included: Helen Batterson, Lois Eret, Candy Quantz, Sally Sweigart, and Marie Bottoms.

Certificates of appreciation were

## Movie Schedule

\*\*\*\*\*  
**WEDNESDAY, June 3**  
 "Toys in the Attic" (M)  
**THURSDAY-FRIDAY, June 4-5**  
 "Viva Las Vegas" (F)  
 First performance at 5:45 p.m.  
**SATURDAY, June 6**  
 "Flipper's New Adventure" (F)  
**SUNDAY-MONDAY, June 7-8**  
 "The Long Ships" (M)  
**TUESDAY, June 9**  
 "Hey There, It's Yogi Bear" (F)  
 Two shows nightly at 6 and 8:30 p.m., Saturday matinee at 1:00 p.m., and Sunday matinee at 2:00 p.m.

### TEA PLANNED JUNE 9

Reservations for the tea sponsored by the Redstone Arsenal Officers Wives Club on June 9 will be accepted until June 5.

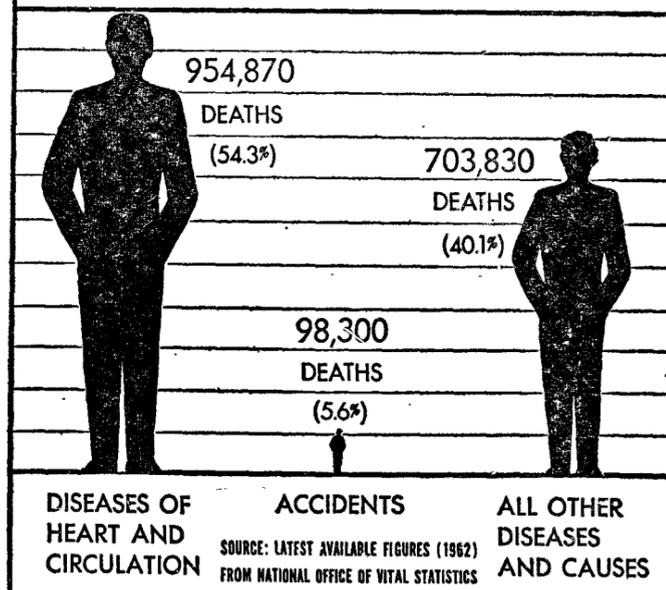
Mrs. J. Wharton, Mrs. W. Paris, Mrs. V. Villani and Mrs. T. E. Little are handling the reservations and Mrs. J. S. Farrington is handling cancellations until June 8.

The tea will be held in the ballroom at the Squirrel Hill Officers Club between 2 and 4 p.m.

presented Betty Lau and Elva Dawn Braid.

The Red Cross Field Director, Nicholas Fachilla, presented a certificate for outstanding service to The Redstone Rocket.

### HEART DISEASES CAUSE 54.3% OF ALL DEATHS



**DISEASES OF THE HEART AND CIRCULATION** were responsible for 954,870 U.S. deaths in 1962, or more than half of the total from all causes. This points up the magnitude of the heart problem and the need for research, education and community heart programs supported by the Heart Fund, which reaches its highpoint and climax on the week-end of Heart Sunday, February 23. More than 1,750,000 Heart Sunday volunteers will visit their neighbors to distribute heart-guarding information and to receive Heart Fund contributions.

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### General Persons Addresses Vanderbilt ROTC

Brig. Gen. Howard P. Persons, Jr., Deputy Commanding General for Air Defense Systems, Army Missile Command, Sunday gave the Commissioning Address for the Vanderbilt University Army Reserve Officers' Training Corps. In his address, which preceded

the "pinning on" ceremony, Gen. Persons discussed missile and rockets in their relationship to the Army's missions. He pointed out significant changes in the Army organization and in weapon sys-

tems and how these related to the future Military and Civilian careers of the 31 newly commissioned second lieutenants.

The ceremony was held at Underwood Auditorium on the Van-

derbilt campus prior to graduation exercises which were conducted Sunday evening.

Aug. 1, 1962—Activation of the Army Materiel Command.



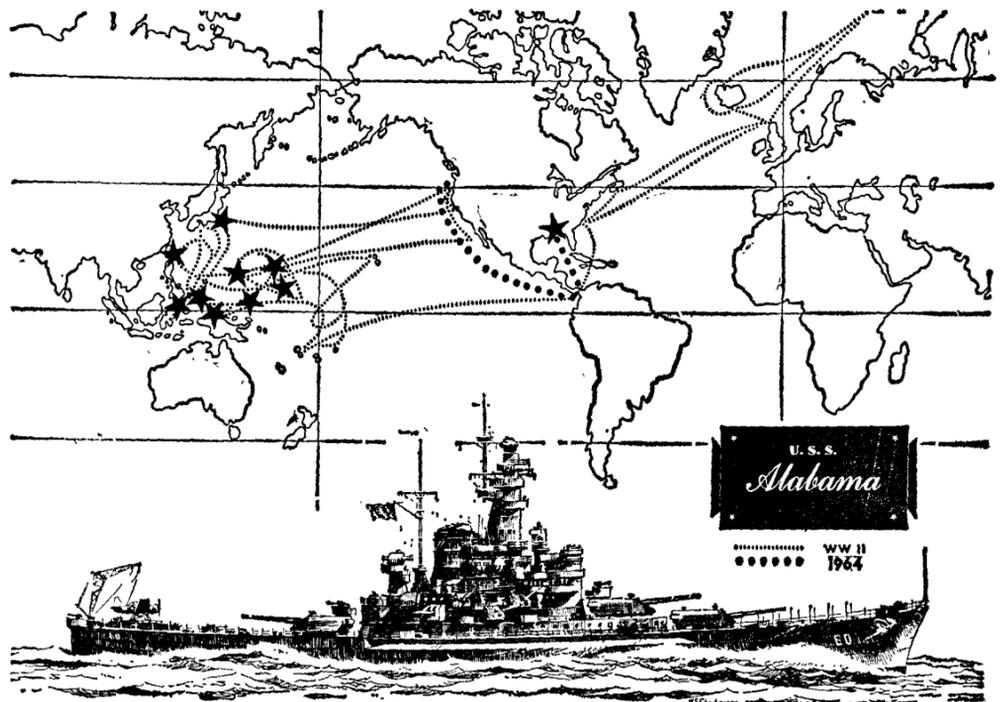
It's a Conservation merry-go-round all right. Because nature goes round and round in the process of creating, destroying and rebuilding natural resources.

Throughout the state and nation, 4-H Club members are lining up to get on the conservation merry-go-round. They are eager to do their share of protecting and replacing the forests, wildlife, grasslands, water and soil that are either used up or destroyed. They deplore senseless misuse of nature's gifts.

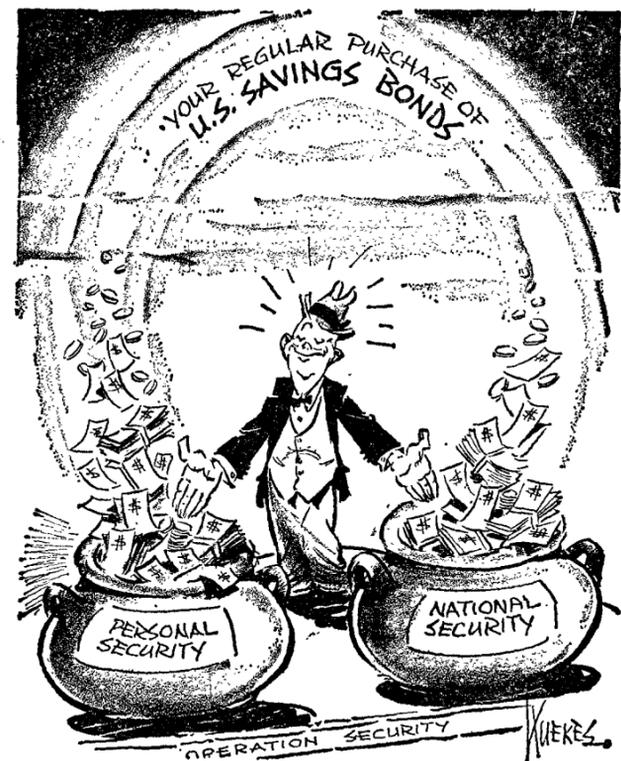
A new 4-H Conservation program, recently announced by the National 4-H Service Committee, offers young people incentive awards. They are county conservation medals, a free trip for the state winner to the National 4-H Club Congress in Chicago, and \$500 college scholarships to the six top members chosen from all state winners.

The sponsor is John Deere, a long-time backer of 4-H Club work. The program is carried out under the supervision of the Cooperative Extension Service, county extension agents and local club leaders.

Winners in all categories will be announced at the close of the 1964 club year.



SCENES OF BATTLES, ROUTE OF TRIP HOME—The USS Battleship Alabama served with distinction in World War II, taking part in action throughout the world and earning nine battle stars. Soon she will be towed 5,600 miles from Bremerton, Wash., to Mobile, where she will be enshrined. The above chart shows (small dotted lines) the course of the Alabama in World War II, with each star in the cluster denoting a particular battle. The black dotted lines show how the Alabama will be brought from Bremerton to Mobile, via the West Coast and the Panama Canal.



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(Drawn for U. S. Savings Bonds Division by Ed Kuekes, the Cleveland Plain Dealer)

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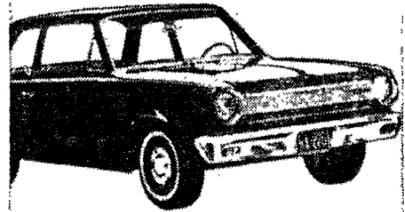
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R-61	1958	Buick	Cpe. H.T.	\$675	A-334-A	1963	Plymouth	Convertible	2495.00
A-377-B	1955	Chevrolet	2 Dr.	475.00	A-365-A	1959	Rambler	Station Wagon	475.00
A-401-A	1959	Chevrolet	4 Dr.	975.00	A-292-A	1961	Rambler	Sedan	875.00
A-337-C	1955	Chevrolet	4 Dr.	375.00	A-264-A	1960	Rambler	4 Dr.	675.00
A-236-B	1962	Chevy	II 2 Dr.	1475.00	A-349-B	1961	Rambler	Conv. Cpe.	1175.00
A-362-A	1956	Chevrolet	2 Dr.	475.00	A-357-A	1961	Rambler	2 Dr.	875.00
R-60	1958	Chevrolet	Station Wagon	875.00	A-293-A	1961	Rambler	Station Wagon	1275.00
A-396-A	1960	Ford	4 Dr.	975.00	A-347-A	1960	Rambler	4 Dr.	875.00
A-341-A	1961	Ford	4 Dr. S.W.	1475.00	R-47	1962	Rambler	4 Dr. S.W.	1275.00
A-303-A	1956	Ford	Station Wagon	375.00	A-212-B	1958	Rambler	4 Dr.	475.00
R-48-B	1961	Falcon	4 Dr.	1075.00	A-173-A	1959	Rambler	4 Dr. S.W.	675.00
A-306-B	1956	Ford	Station Wagon	375.00	A-149-A	1963	Rambler	2 Dr.	1675.00
A-233-A	1960	Ford	2 Dr.	675.00	U-68-A	1963	Rambler	2 Dr. H.T.	1675.00
A-367-A	1962	Ford	4 Dr.	1675.00	A-313-A	1963	Rambler	2 Dr. Sedan	1575.00
A-244-A	1960	T-Bird		1875.00	A-216-A	1962	Rambler	4 Dr. Sedan	1175.00
A-67-A	1958	Mercury	2 Dr.	675.00	A-177-B	1959	Simca	Sedan	475.00
A-326-A	Mercury	Station Wagon		875.00	A-351-B	1961	Renault	4 Dr.	675.00
A-180-B	1959	Olds	4 Dr.	1175.00	A-389-A	1958	V.W.	2 Dr.	475.00
A-400-A	1957	Olds	4 Dr.	475.00	A-235-A	1961	Valiant	4 Dr.	1275.00

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# Four Doctorates Earned By Command Scientists

Four scientists in the Army Missile Command's Physical Sciences Laboratory received their doctorate degrees at two universities last Sunday.

They include the Director of the Physical Sciences Laboratory, John P. (Post) Hallowes, Jr., and three of his staff scientists.

Others are Alfred C. Daniel, a research physicist (solid state); Dale R. Koehler, research physicist (nuclear physics); and Billy B. Letson, research chemist (physical).

Laboratory Director Hallowes admits it's rare for four scientists in a single laboratory to receive their doctorates at one time, but said that out of a scientific and engineering staff of about 50 members, 15 of them now hold doctorates.

Hallowes received his Ph.D. from Vanderbilt University, Nashville; and Daniel, Letson and Koehler were awarded their doctorates by the University of Alabama.

Hallowes began work at Redstone Arsenal in 1951. He received his Bachelor of Science degree in electrical engineering from Georgia Tech. He resides with his wife and two daughters in Huntsville.

Daniel received his Bachelor of Science degree in electrical engineering from Georgia Tech and later his Masters degree. He began work at the Missile Command in 1958. The scientist resides in Huntsville with his wife and two children.

Koehler was awarded his Bachelor of Science degree in engineering physics from Auburn University. He received his Masters degree in the same subject from Auburn. He has worked on Missile Command projects since 1957. He resides with his wife and two daughters in Huntsville.

Letson completed requirements for his Doctorate at the University of Alabama prior to beginning his work with the Missile Command. He received his Bachelor of Science degree and Masters in engineering from Alabama. He began work for the Missile Command early in 1964.

Of the four men receiving their doctorates, Daniel, Koehler and Hallowes participated in the Army's graduate study program, and Letson finished his doctorate work under his own sponsorship.



**SCIENTISTS DUE FOR DOCTORATES**—Four scientists in the Army Missile Command's Physical Sciences Laboratory received their doctorate degrees in ceremonies last weekend. Left to right are Dale R. Koehler, John P. (Post) Hallowes, Jr., who is director of the laboratory, Alfred C. Daniel, and Billy B. Letson.

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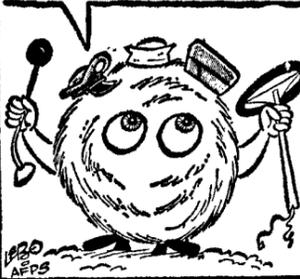
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HILL CHEVROLET COMPANY was founded by A. W. Hill Sr. 40 years ago today, employing five people; and before Chevrolet Motor Division had built the first million cars.

It is estimated that HILL CHEVROLET COMPANY has contributed several million dollars to the economy of this region, and the growth of their business adds substance to these figures.

Today, the firm employs 140 people, with combined experience selling and servicing cars over 1000 years, on its payroll, and many have been in their employ twenty years. Their yearly payroll is over \$600,000.00.

In the meantime Chevrolet Motor Division has built 50 million cars, and HILL has sold some 75,000 units.

HILL'S holdings include two new car showrooms, two service departments, separate body departments, three used car lots, separate building for re-conditioning and delivery, a large parts department, and eleven offices.

A. W. Hill Sr. and A. W. Hill Jr., owners, do not confine their activities to the business of selling cars, but play a major role in the community's civic affairs. Our department heads are civic-minded, and belong to either Rotary, Kiwanis, Acme, Civitan, Salesman's Club or Pilot Club and many of our organization are active in church and civic enterprises.

A. W. Hill Sr. is a past president of the Kiwanis Club, past president of the Local Dealers' Association, of which he was one of the organizers, director of State Dealers' Association, of which he was one of the organizers, and was an original member of the first Expansion Committee, director several years in the Chamber of Commerce, director of the YMCA and many other civic promotions, also served on Dealers' Council in Detroit. At present, he is a Trustee of District No. 1 T. B. Sanatorium, and Director in First National Bank.

A. W. Hill Jr., a partner in the firm, entered the Air Force, after graduating from Washington and Lee University in 1941. He served as a fighter pilot in European Theatre, making 70 combat missions, and after the war was over, he became active in the business. He has served as Chairman of Red Cross Drive, a director in the United Givers Fund, president of the Acme Club, president of Kiwanis Club. He helped organize a Boy's Club, and is a director. He is a past director in the Country Club. At present, he is a director of Huntsville Expansion Committee and Chamber of Commerce, director of Huntsville Dealers' Association, and past director of Alabama Dealer's Association. Also, served on Chevrolet Dealers Council, and U. S. Chamber of Commerce Committee on Public Relations. He was General Chairman for raising \$750,000.00 for an expansion of the YMCA to keep it abreast of Huntsville's fantastic growth and to build facilities to accommodate the many thousands of girls and boys for character building in a planned recreation program under Christian leadership.

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## Lybrand Dies In Collision

Funeral services were held Saturday in Anniston for Yewell C. Lybrand Jr., 34, an educational course specialist at the Army Ordnance Guided Missile School.

He suffered fatal injuries in a two car collision near his home at Oxford, Ala., Thursday night. The driver of the other car, an Anniston nurse, also was killed in the crash.

Lybrand, whose Huntsville home was the Triana Trailer Park, is survived by his wife and four children; parents, and one brother.

A 1954 graduate of the University of Alabama, Lybrand had taught at Tuscaloosa High School. He first came to Redstone Arsenal in 1957 where he worked in the control office of the Army Ballistic Missile Agency. Later, after the formation of the Army Ordnance Missile Command, he worked in the control office there.

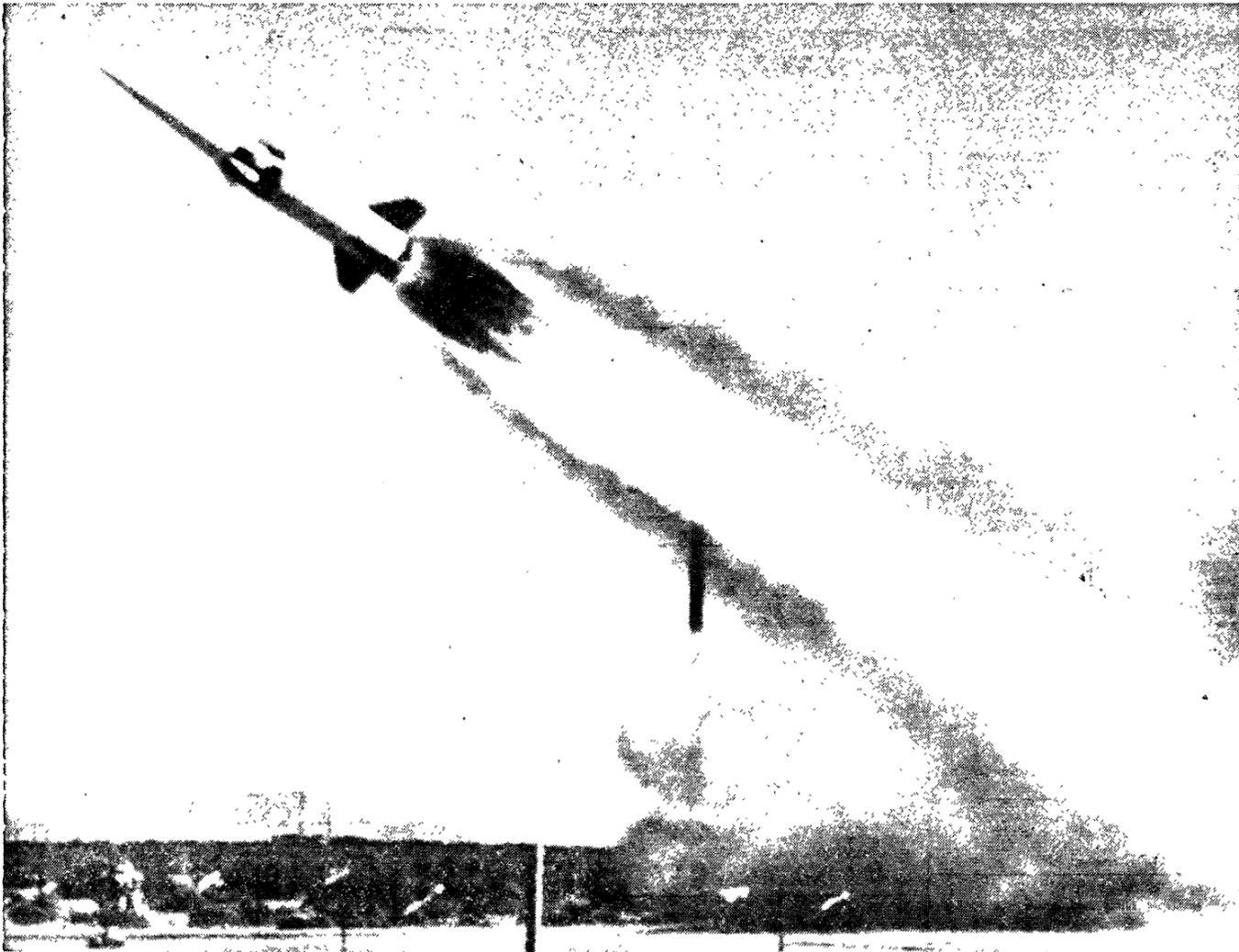
Lybrand left Redstone in 1960 to join the personal staff of Maj. Gen. J. B. Medaris (Ret.). Later he joined the faculty of Jacksonville College for a year and returned to Redstone in 1963.

He had published several short stories and was working on a novel at the time of his death.

About 401,000 ideas for improving Government operations were submitted last year, of which more than 105,000 were adopted, upping the adopted suggestion rate to 27 percent from 25 percent the previous year.

missile is built largely of "off-the-shelf" hardware, he said, including 14 small rocket motors.

The Colonel said a limited number of Squire flights were scheduled in order to "find out more about aerothermal effects encountered by super fast missiles operating inside the earth's atmosphere."



**TEST VEHICLE**—This firing photo shows the Squire rocket, described by the Army's Nike-X Project Office as a test vehicle for candidate materials for its new Sprint anti-missile missile. The Sprint, being developed as an interceptor missile for the Nike-X missile defense system, will be the highest acceleration guided

missile ever developed by the Army. While the Squire does not duplicate the Sprint in design or flight characteristics, it will provide a so-called "Sprint environment" that is, a high speed missile traveling in the earth's atmosphere. The 23-foot long Squire is propelled by rocket motors clustered in two stages.

## Nike-X Developing 'Fastest' Missile Ever Built

The fastest guided missile ever developed by the Army is being built for the Nike-X missile defense system, according to the Army's project manager for the urban defense weapon.

The new missile, called the Sprint, is one of two interceptor missiles being developed for the system. A second missile, the Zeus, has already successfully intercepted special ICBM launched target vehicles during developmental tests.

Col. I. O. Drewry, the Nike-X Project Manager, told a meeting of aviation and space writers at Cape Kennedy that the new missile defense system has replaced the Nike Zeus anti-missile missile system.

However, he said, a great deal of the Nike Zeus hardware as well as its testing sites—including one in the Atlantic Ocean and one in the Pacific—are being used extensively for Nike-X testing.

He added that some 10,000 to

15,000 persons are directly involved in the development and testing of the Nike-X System. Col. Drewry also said that some \$375 million dollars had been requested this year for testing and developing of the missile defense system.

"About ninety-seven cents of every dollar will go to industry," he said.

Some 200 writers were present for the speeches and demonstrations given by the Army, Navy and Air Force as well as the National Aeronautics and Space Administration.

Col. Drewry, whose headquarters is at Redstone Arsenal, told the writers that a new radar being developed for the Nike-X System "has never been used before."

He said power would be turned on at the first test version of the Nike-X Multi-function Array Radar (MAR) at White Sands Missile Range "within 60 days."

The MAR will have few moving parts and will use electronic beam switching instead of rotating antennas. He said the MAR is being developed to do the work of three separate radars and is capable of being hardened.

He said the Nike-X system is being designed as a defense against submarine launched type missiles as well as missiles of intercontinental range.

He said the Sprint will have such a high acceleration rate that its flight time—the time from launch to intercept — would be "measured in scant seconds." The Sprint will be "popped" from its underground launching cell by an ejector with the missile's booster

motor being ignited after it has reached the surface.

During the talk Col. Drewry revealed pictures of a new test missile being fired at White Sands Missile Range to test materials for the Sprint. Dubbed the Squire, this

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Cash You Get	MONTHLY PAYMENT PLANS		
	30 months	24 months	12 months
\$500	\$24.73	\$46.81	
700		34.30	64.92
1000	\$40.05	48.76	92.30
1500	59.80	72.80	137.80
2000	78.96	96.13	181.96

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

ASK ABOUT CREDIT LIFE AND DISABILITY INSURANCE ON LOANS AT GROUP RATES

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**HUNTSVILLE OFFICE**  
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Page 14 The Redstone Rocket — June 3, 1964

## 1. For Rent

**FURNISHED**—1 or 2 bedroom apartments on dead-end street away from noise, yet very convenient to Gatas 1, B and 9. Call 536-8775. tfc

**FOR RENT**—4 rooms, unfurnished duplex apartment in Southeast Huntsville. Phone 534-6871. tlc

**ROOMS FOR RENT**—Single and double for men with good habits, completely and newly decorated, economically priced. Central Y.M.C.A. Dial 534-6452. tfc

**FOR RENT** 4000 sq. ft. workable area office space, second floor Quick Building. Available July 1, 117 Green St., Downtown Huntsville. Phone 534-5127 or 534-4551. tfc

**FOR RENT**—TV's, portables, UHF-VHF, by day, week or month. Phone 536-9761. Central TV and Stereo Co., Inc., Corner Governors Drive and Parkway. Open 8 a.m. to 7 p.m. daily. tfc

## 2. Cars For Sale

**CASH FOR YOUR CAR**—We need all makes and models. We will pay you more. We buy and sell imports, too. TEXAS AUTO SALES, Phone 536-6121. tfc

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**HOME LOANS**  
**FARM LOANS**

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**GATES**

**Insurance Agency**  
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Office Phone—534-0371  
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## 3. Miscellaneous

**GUNTERSVILLE LAKE BOAT STORAGE**—Open slips, covered slips, waterfront cabin sites for sale. Enquire at Snig Harbor Boat on Highway 431 South. Phone Huntsville 536-3113. 6-10c

**ABS SECRETARIAL SERVICE**, 915-F Franklin St. SE (Franklin Center) Phone 534-6451 For: Photocopying, Mimeographing, Transcribing (Dictaphone) telephone answering, Employment applications prepared. (Government and other) Notary Public. Our office or yours. tfc

**SWEDISH MASSAGE & STEAM BATH** (For ladies only.) Trained in Denmark-Sweden. Mary Fromm, 1201 Lowell SE. 536-0242 No Saturdays. tlc

**MODERN HEALTH CLUB SERVICES**—Central Y.M.C.A., 203 South Greene St. Is offering massages, turkish baths, electric heat, cabinets, ultra-violet and infra-red lamps, diathermy sun lamp, swimming pool. Graduate masseur in charge. Phone 534-2444. tfc

**SPRING SPECIAL**—Learn to dance from experts, class or private. Free trial lesson. 10% discount with this ad. Arthur Murray Studio, Phone 536-9624. 6-3c

**FOR SALE**—1963 Nimrod, Camper complete with extra tire and zip on 8'x12' family room. Contact DR JOHN D. CHANDLER, 409 Rock St., Hartselle, Ala. 6-9c

**WANTED**—Students we have openings for 5 students at Nitas and Daves Beauty College. Tuition can be financed. Earn top wages, be a professional trained by trophy winner Nita Hetherington. Call Nita & Dave's Beauty College, 539-2461 or come by Governors Drive across from Butler High School. tfc

**Glen Park APARTMENTS**

Completely furnished including air conditioning and TV outlet, lovely 2 bedroom, living room, kitchen and ceramic tile bath. Convenient to schools, churches and shopping.

852-0131

**FOR RENT**—1964 TV's, portables, UHF-VHF, by day, week or month. Phone 536-9761. Central TV and Stereo Co., Inc., Corner Governors Drive and Parkway. Open 8 a.m. to 7 p.m. daily. tfc

**REFRESHER MATHEMATIC COURSES**—Private instructor wants 2 groups of 10 people interested in refresher or learning higher mathematics. Classes will be held 2 evenings a week. Tuition \$15.00 per month. If interested call 536-6611. tlc

**FOR THE BEST PRICES**, come to Anderson Boat and Motor Sales in Cullman. Closing out some 63 model motors at a bargain. Mercury outboard motors and 14 different lines of boats to choose from. We are open on Sunday afternoon and night by appointment. Call 734-1354. Anderson Boat and Motor Sales, 31 Highway North, Cullman, Ala. tfc

**ALL KINDS OF USED FURNITURE** Trade-in on mobile homes. All kinds of appliances. See at Texas Auto & Mobile Home Sales, 1003 Meridian. No phone calls please! tfc

**USED FURNITURE**—All kinds including appliances, trade-in on Mobile Homes. See at Texas Auto Sales, 1003 Meridian St. No Phone calls please. tfc

**NEW UHF CONVERTERS \$11.97**

North Alabama's largest sales and service dealer for Zenith, RCA and Motorola TV and Stereo. Our prices are equal to or lower than advertised so called "discount or wholesale" prices. Price, then compare. Our merchandise is visually priced tagged at all times. We accept trade-ins. Used TVs sold for \$20 and up. We service all makes and models. Picture tubes, 21 in. 90 degrees, \$21.00 exchange with 1 year guarantee. TV rentals by day, week or month.

**CENTRAL TV & STEREO CO.**  
Cor. Governors Drive & Parkway  
Phone 536-9761

**FOR SALE**—Newly reupholstered couch and chair, like new condition. Phone 539-0382. tfc

## 4. Mobile Homes

**FOR SALE**—Marlette Ranch Style Mobile Home and .85 acre lot with trees. Blended interior, 46x12 Silver Top Awning with concrete patio. Excellent well and septic tank. Off Hobbs Island Road near boat harbor. Reasonable. See to appreciate. Phone Currah after 5 p.m. 881-4830. tlc

**SEE OUR FULL LINE OF**—Mobile Homes—or we'll both lose money! We trade for anything! easy terms. Come see the friendly folks at Texas Auto Sales, 1003 Meridian St., phone 536-6121. tfc

**FOR SALE**—2 bedroom trailer, 1 month old. Set up on shady lot, furnished. \$1,000.00 equity or \$850.00. Payments \$64.00 per month. Call 536-4007. tlc

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All Work Fully Guaranteed

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**BRELAND SECRETARIAL SERVICE** in HOME at 2630 Bonita Circle. Typing, Notarizing, Mimeographing, Editing, Assistance with composing letters, resumes, etc. Satisfaction guaranteed or no charge. 539-2834. 6-17p

## 5. Houses, Lots - Sale

**FOR SALE**—Acre lots priced \$2,000.00 up. One lot has 3 bedroom full basement permastone house priced at \$18,500.00, located on Hwy. 72 West, 13 miles from Bldg. 4488, thru Gate 7, 10 miles from Memorial Parkway. Phone 539-8039. tlc

**FOR SALE**—7712 Charlotte Drive, well constructed brick with attached garage, 3 bedrooms, 2 ceramic baths, large paneled kitchen-dining area, central heating and air conditioning, deep lot with large trees at rear, 3 years old. Well kept by owner, \$1500 equity and assume monthly payments of \$122.00, including taxes and insurance. In Parkway Estates near Main Gate. Phone 881-2381. tlc

**FOR SALE**—41 acres, located 35 miles south of Huntsville, practically new 3 bedroom dwelling with all modern conveniences. Good tenant dwelling with bath, 9 acre cotton allotment, price \$12,700. 100% loan to G.I.

20 ACRES located 15 miles east of Cullman, 35 miles south of Huntsville, 1/2 mile south of Hulaco, 6 room dwelling with bath, 2 jalousie porches, triple carport with workshop, 2 large block chicken houses, block barn, all land fenced and in permanent pasture, fish pond, 3 wells. A real country estate. Owner will finance. Price \$38,500.00. E. G. WILLIAMSON, Real Estate Broker, Phone 734-6294, Cullman, Alabama, P. O. Box 41. tlc

**5/10/5 Post Liability \$10.00 a Year**

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**WANT MONEY?**

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\$400.	\$18.66
\$800.	\$37.33
\$1200.	\$56.00
\$2000.	\$93.33

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1004 MERIDIAN ST., NO. • HUNTSVILLE

**FOR SALE**—96 acres, cattle farm, level land, all in permanent pastures. Very best of fences, plenty of water. On paved highway. Good six room dwelling, electric heat, modern bath, 70'x70' three car garage. Large barn, tool shed, grain bin, storage bldg, utility building with laundry room. Storm cellar. On school bus and mail route. Good churches, excellent community. Must be seen to be appreciated. Located nine miles southeast of Hartselle in Massey community. (Reason for selling—ill health). PENN AND ORR FARM, Danville, Ala., Rt. 1. Phone 462-3222. 6-16p

**G.I. EQUITY BY OWNER**—3 bedroom partial brick, carport, TV cable, fenced lot with trees, payments \$88.50 — 2612 Bridge Rd., N.W., Huntsville. Phone 852-2806. (Available in June.) 17p

**FOR LOTS, ACREAGE, HOMES, BUSINESS** Opportunities and full information on Florida properties write Mamie P. Smith, "Reg. Broker," 140 N.W. 1st Ave., Homestead, Florida. tlc

**FOR SALE OR RENT**—Furnished 3 bedroom cabin on Elk River water front Redwood deck \$8,000 or \$50.00 weekly rent. Phone 539-2795 days D. D. FIRESTONE. tlc

**FOR SALE**—541 acre cattle ranch, Marengo County Fence, 12-acre stock pond. On paved road, \$150.00 per acre. Possession given January 1st, 1965. 6-17p

**WATERFRONT LOTS**—34 wooded river (Tennessee) lots in newly developed Beechwood Acres. Take Highway 72 West out of Athens, go 9 miles, turn left at Pat Shaw's Grocery, follow signs. \$850.00 and up, financed by owner or terms to suit. Contact Paul Black, Athens, Rt. 2. Phone 232-5067. 6-3c

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**HILL CHEVROLET CO.**

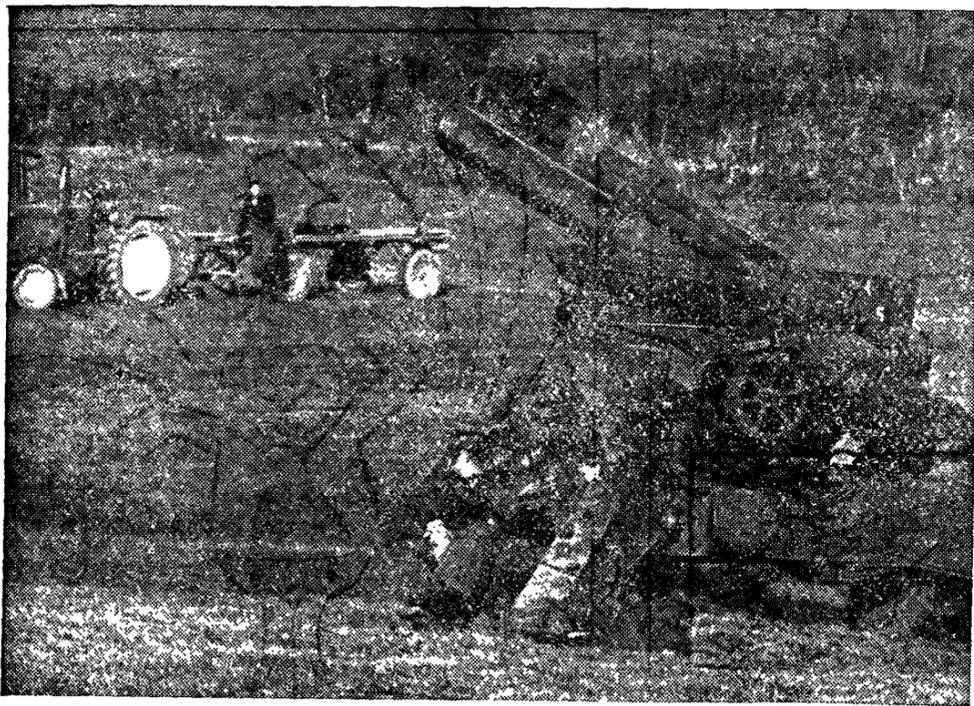
**VOLKSWAGEN**



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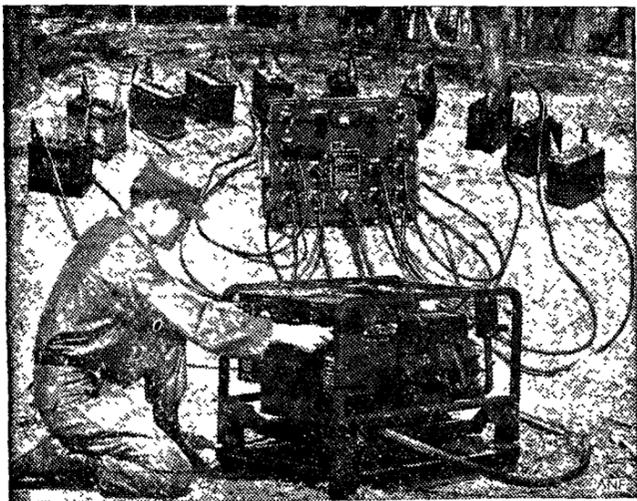


**ALERT AND ABLE**—A soldier of the 2d Howitzer Battalion, 31st Artillery, Fort Sill, Okla., keeps in touch with his headquarters during operation BIG LIFT. In the background, a German farmer glances at the 155mm Howitzer positioned in the field. The photo, courtesy of Stars and Stripes Europe, was taken at Giessen, Germany.

## Army Helps The Needy



**SPIRIT OF GIVING**—Second Lt Daniel Lucy, 55th Military Police Co. Executive Officer, gives clothing to one of the orphans at the Hwa Rang Orphanage near Uijongbu, Korea. The 55th, one of the cosponsors of the orphanage, has donated clothing, food, and bedding to the children. Lieutenant Lucy is from Springfield, N. J.



**POWER PACKED**—Army Pfc Melvin Caudell operates the new battery charging panel assembly that can simultaneously charge 10 24-volt batteries or 22 12-volt battery systems. The assembly was developed by the Sun Electric Company under contract to the U. S. Army Mobility Command's Engineer Research and Development Laboratories, Fort Belvoir, Va. The charging panel is slated for use by organizational motor pools and tactical units. Private Caudell's home is in Chicago, Ill.



JOHN L. SEIGENTHALER

## Seigenthaler Addresses Graduates

The editor of a leading Southern newspaper told 80 graduates at the Army Ordnance Guided Missile School Thursday that there should be more understanding between civilians and military personnel and that military personnel should better understand potential enemies.

John L. Seigenthaler, editor of The Nashville Tennessean, told graduates from the U. S. Army, U. S. Marine Corps, Nationalist China and Norway that in an age when "you may never see the enemy" because of the long-distance concepts of missile warfare, it is imperative to understand the enemy in both his way of life and his motivation.

He also called for more understanding between civilians in areas where military bases are located and the military personnel at those bases. "Too often we see only so many jobs, or so many payroll dollars, or so many transient military personnel who are welcome to spend their dollars with our merchants—as long as they leave our daughters alone," he said. He called for a broadening of concepts so that the real purpose of these military bases could be understood as protectors of the free world.

Seven students were named honor graduates at the ceremony, presided over by Col. William J. Macpherson, missile school commandant. Honor graduates were: Corporal Kjell Granseth of Oslo, Norway; Pvt. Stephen P. Holden of Strykersville, N. Y.; SFC Amble B. Carter of Memphis; PFC William P. Sestrom of Briarcliff Manor, N. Y.; SFC Harry Duke Jr. of Pine Bluff, Ark.; Pvt. Harry L. Claterbos III of Ketchikan, Alaska; and WO Carter E. Browne.

National anthems were played by the 55th Army Band.

## U. S. ARMY NURSE



**ARMY NURSE**—1st Lt Sarah A. Washburn, from Mundelein, Ill., cares for an incubator baby at Munson Army Hospital, Fort Leavenworth, Kan. Lieutenant Washburn selected pediatric nursing as her special field from a wide choice of clinical, medical, and surgical specialties available to members of the U. S. Army Nurse Corps. The Army is presently seeking 2,000 more nurses.

Americans today have nearly \$47 billion invested in U. S. Savings Bonds — a powerful answer to the people who threaten to bury us economically.	Aug. 17, 1943—Sicily conquered, 37 days after its invasion.
	Aug. 18, 1894—Congress created Bureau of Immigration.

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Separate panelled den, separate dining room, fireplace, wall-to-wall carpeting, built-in kitchen with oven, surface unit, garbage disposal, dishwasher, central air conditioning by an electric heat pump, 2 full ceramic tile baths with vanities, double garage, built-in laundry area, large patio, fenced in yard. Truly a home of quality and comfort. Shown by appointment only.

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WEEK END

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# INCENTIVE AWARDS

## SUGGESTIONS

Walter T. Clark, Army Missile Support Command, \$15 award.  
 Ray E. Bailey, Jr., Army Missile Support Command, \$100 award.  
 Joseph M. Wilce, Army Missile

Support Command, \$165 award.  
 Robert W. Peterson, Army Missile Support Command, \$100 award.  
 Fayte M. Lasley, Jr., Army Missile Support Command, \$30 award.  
 Jimmy K. Sharp, Army Missile Support Command, \$15 award.  
 Katherine C. Patterson, Army

Missile Support Command, \$15 award.  
 Leonard E. Jones, Jr., Army Missile Support Command, \$70 award.  
 David L. Forrester, Army Missile Support Command, \$20 award.  
 John E. Cave, Army Missile Command, \$110 award.  
 Betty A. Larue, Army Missile Command, \$65 award.  
 William H. Klieber, Army Missile Support Command, Letter of Appreciation.  
 Shirley N. Workman, Army Missile Support Command, Letter of Appreciation.

## Key Figures In School Troop Command Named

The School Troop Command at the Army Ordnance Guided Missile School announced five key appointments in personnel this week including the appointment of three new company commanders.  
 First Lt. Peter M. Matteodo was named commander of Headquarters Company, replacing 1st Lt. William D. Powell who is retiring from the Army. Matteodo, a graduate of Stetson University at Deland, Fla., moves over from the Third Enlisted Training Company, which he commanded.  
 First Lt. David M. McClellan will take over the 3d ETC from Lt. Matteodo.

Lt. Franz H. Schubert assumed command of Company "B." He is a graduate of the University of Akron, Ohio.

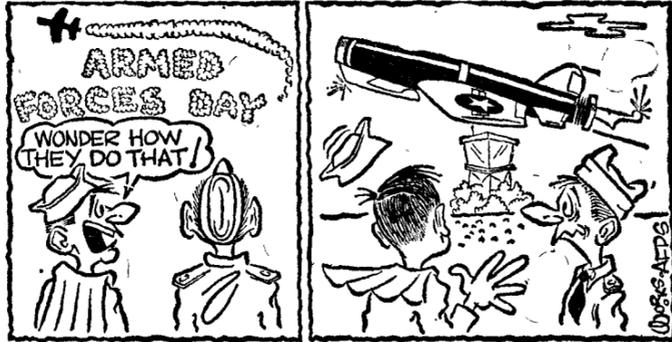
The third new company commander is 1st Lt. Robert B. Green, who was S4 officer is STC. Lt. Green, a graduate of the University of Alabama, was replaced by Lt. Robert H. Polk in the S-4 section.

## Births At Post Hospital

Karen Lee Collum, 4 lbs., 10 3/4 ozs., May 14, daughter of Sp4 and Mrs. Bobby H. Collum.  
 Jacqueline Lynn Clark, 7 lbs., 2 1/2 ozs., May 19, daughter of Pfc and Mrs. Ronald Clark.  
 Denise Renee Little, 7 lbs., 8 ozs., May 20, daughter of SSgt. and Mrs. Henry W. Little.  
 Daniela Christine Pyzalski, 7 lbs., 12 1/4 ozs., May 21, daughter of 1/Lt. and Mrs. Klaus P. Pyzalski.  
 Lisa Michelle Feenev, 5 lbs., 15 1/2 ozs., May 21, daughter of Sp5 and Mrs. John L. Feenev.  
 Sally Lynn Stanners, 8 lbs., 12 ozs., May 22, daughter of Sp6 and Mrs. John H. Stanners.  
 Jeffery Darryl Willis, 5 lbs., 15 1/2 ozs., son of Sp4 and Mrs. Rayburn N. Willis.  
 Charles Alan Smith, 8 lbs., 12 1/2 ozs., May 22, son of Sp6 and Mrs. Charles P. Smith.  
 James Wade Forrest, 9 lbs., 15 3/4 ozs., May 23, son of SSgt. and Mrs. James W. Forrest.  
 Jeanne Lee McCarty, 7 lbs., 1 oz., May 23, daughter of Capt. and Mrs. Billy W. McCarty.  
 Douglas Paul Wolfe, 7 lbs., 15 ozs., May 25, son of 1/Lt. and Mrs. Howard F. Wolfe.  
 Tina Marie Seagroves, 6 lbs., 14 1/2 ozs., May 25, daughter of Sgt. and Mrs. Doyle A. Seagroves.  
 Krystal Willits, 8 lbs., 12 ozs., May 27, daughter of SSgt. and Mrs. John A. Willits.

Some 83,700 superior performance awards were given last year, an increase of 7,000 over the previous year. Measurable benefits from superior performance totaled over \$31 million. Each cash award averaged about \$146.

March 3, 1959—The Army's Juno II launched from Cape Canaveral (now Cape Kennedy) the first made-in-U. S. A satellite of the sun placed in orbit.



## We Are Not Fiddling Around! We Are Selling Cars . . . Make Us An Offer. You'll See!

We have just received a new shipment: 1500 VW—All models Sedans, Variants, Supers, All Colors!

**OUR VOLKSWAGENS ARE GUARANTEED**

1963 VW Sedan, blue	\$1750.00
1963 VW Sedan, blue, radio	\$1795.00
1960 VW Sedan, green	\$1195.00
1962 VW Sedan, sunroof, black	\$1495.00
1963 VW Sedan, sunroof, grey	\$1795.00
1953 VW Sedan, green, like new	\$ Special
1961 VW Sedan, white	\$1295.00
1962 VW Karmann Ghia, blue and white	\$1795.00
1959 VW Karmann Ghia, brown and white	\$1395.00
1963 VW Sedan, grey	\$1695.00
1962 VW Sedan, sunroof, grey, radio	\$1550.00
1963 VW Panel Truck, blue	\$1895.00
1961 VW Pickup, white, rebuilt engine	\$ 895.00

**OTHER TRADE-INS — MAKE US A OFFER**

1961 FORD Conv., white w/red interior	?
1961 FORD Galaxie Hardtop, baby blue	?
1959 CHEVROLET Bel Air V-8, automatic	?
1960 PLYMOUTH 2-door, 6 cylinder	?
1959 CHEVROLET, 6 cyl., straight drive	?
1957 CHEVROLET, 8 cyl., auto., nice	?
1959 PLYMOUTH Fury, 8 cyl.	?
1960 OLDS 98, 4-dr., sd. All power	?
1961 FIAT 2-dr., Convertible	?
1960 FIAT, 1100 Series, clean	?
1961 DKW Sedan, low mileage	?
1955 MERCURY Sedan, clean car.	?
1958 DODGE Lancer, all power	?

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