



INTER-SERVICE HUDDLE—Lt. Col. Stanton Josephson, Director of the Research and Development Directorate, discusses missileery with two of the military representatives who attended the Advanced Planning Briefing for Industry. At left is Capt. J. M. Renfro of the Department of the Navy and at right is Col. George Weinbrinner of the U. S. Air Force. Other photos on page 2.

First Advanced Planning Conference Ends Today

The Army's first Advanced Planning Briefing for Industry got under way at Redstone Arsenal Monday, sponsored by the U. S. Army Missile Command.

A total of more than 300 top leaders from the Nation's aerospace industry have been divided into three groups, each of which has been attending the briefing on one of the three days—Monday, Tuesday and Wednesday. The sessions are classified and attendance is by invitation only.

Maj. Gen. John G. Zierdt, Commanding General of the Army Missile Command, welcomed the visitors and opened the session by outlining the missile programs

and future needs of the Army.

Harry F. Vincent, Project Director of the Command's Directorate of Research and Development, and William L. Allan of the Future Missile System Division, discussed missile development objectives and long range goals for the Army as well as detailed information on the Command's research and development structure and research programs.

John F. McDaniel, Technical Director of R&D, is moderator of a panel of key Missile Command personnel which discusses areas of interest to the industrial leaders. A period was also set up on the program so that Missile Command personnel could field questions from the industrialist audience.

In addition to the invitees from industry, other agencies of the Army and Defense Department were invited to send representatives. The Missile Command program is planned to keep each session at a reasonable size in an attempt to be more responsive to the information needs of individual companies.

The program has been arranged by the Command's Directorate of Research and Development, and is the first sponsored by an Army agency since the briefings were ordered by the Defense Department.

Visitors to the first day's briefing were entertained Sunday night at the Squirrel Hill Officers Club with the Tennessee Valley Chapter of the Association for the United States Army as host. Social events on Monday and Tuesday evenings were to be hosted by the Huntsville Industrial Expansion Committee and Huntsville Chamber of Commerce.

The Redstone Rocket

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VOL. XIII; NO.14

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

AUGUST 12, 1964

Col. McBride To Manage Hawk Office

The Army has named Col. George H. McBride, a veteran officer with more than 10 years missile experience, to head up its Hawk/NATO Hawk air defense missile system Project Office at Redstone Arsenal, Ala.

For the past year Col. McBride has been Assistant Commandant of the Ordnance Guided Missile School at Redstone.

He will assume his new duties Monday.

A native of Birmingham, and a graduate of Auburn University with a BS in Mechanical Engineering, Col. McBride entered the service with a reserve commission in 1942.

He is a graduate of the Special Weapons Officer Course at Sandia Base, N.M.; The Guided Missiles Officers Course at Fort Bliss, Tex.; the Command and General Staff College; and the Air Force War College.

Col. McBride will succeed Lonnie Hightower, the Hawk Deputy Project Manager who has been Acting Project Manager for the past month. Hightower became acting head of the project when Col. Charles Graham, the Project Manager, was assigned as the Army's dean at a new Department of Defense weapons management school at Wright Patterson Air Force Base.

Col. McBride first entered the Army's missile activities at Redstone Arsenal in 1953 when he became Director of Training at the Ordnance Guided Missile School for two years.

Later, in 1956, he was assigned (See COL. McBRIDE on Page 3)



SPREADS MINUTEMAN FLAG—Leonard Twincm displays the Minuteman Flag awarded the Supply and Maintenance Directorate for 91 per cent participation in the U. S. Savings Bond program. Maj. Gen. William C. Haneke, Commanding General of the U. S. Finance Center at Ft. Benjamin Harrison, Ind., made the presentation. Other photos on page 3.

Huntsville Campus Fund Is Growing

Chairman of the University of Alabama's \$750,000 Huntsville Campus Building Fund Campaign hope to reach the \$450,000 mark during the next few days.

M. Bierre Spragins and Will Halsey Jr., who are heading the drive to provide a new undergraduate building and equipment on the campus here, report that a number of area industries are beginning employee solicitations this week.

A donation of \$15,000 by Hayes International Corp. last week raised the fund total to \$430,000, they pointed out.

Twelve large corporate and individual donations have now accounted for \$210,000, they noted.

These include: Brown Engineering and Lockheed, \$30,000 each; First National Bank and one an-

University of Alabama officials stressed this week that both large and small contributions are sought in the current fund raising campaign for the Huntsville campus. Contributions should be mailed to: Huntsville Campus Fund, University of Alabama, P. O. Box 860, Huntsville, Ala.

Maj. Gen. Gravely Will Be Temporary Missileman

Maj. Gen. Louis O. Gravely, Jr. (USAR), has been assigned to the U. S. Army Missile Command for two weeks active duty training.

Gen. Gravely, who is mobilization designee as Special Assistant to the Deputy Chief of Staff for Logistics, will take a look at how the Missile Command "handles the missile business."

An attorney, tax specialist, bank director and citrus grower in his native Florida, Gen. Gravely's specific assignment is the study of "Project Management of Missiles."

His training here will include briefings on many of the Project Managed offices as well as the Missile Command's Directorates of (See GEN. GRAVELY on Page 3)

Merger Adds 300,000 Documents To Library

A functional merger at Redstone Arsenal will add 300,000 microfilm documents to the scientific literature collection managed by the Redstone Scientific Information Center (RSIC), a cooperative effort funded jointly by the Army Missile Command and Marshall Space Flight Center.

Beginning this week, microfilm copies of technical reports and other documents processed by the Defense Documentation Center (DDC) were transferred to RSIC, along with the responsibility for service to DDC users. Through

RSIC, DDC will continue to make microfilm copies of all its newly accession reports available to Army, Navy and Air Force installations, their contractors and grantees in Tennessee, North Carolina, South Carolina, Georgia, Alabama, and Mississippi.

The consolidation was agreed to between the Department of Army and the Defense Supply Agency which is the parent organization of DDC. The transfer of the DDC holdings makes the RSIC collection the largest in the Southeast.

(See LIBRARY on Page 3)



COL. GEORGE H. McBRIDE
Hawk Project Manager

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.

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Rocket Ruminations

Success is counted sweetest by those who ne'er succeed.
—Emily Dickinson

A New First For The Army

The Army brings to a close today at Redstone Arsenal a new concept in briefing American industry.

For three days Missile Command Officials have been briefing a different group of top ranking industrialists each day. In classified briefings, they have tried to give them an idea of what Army rocket and missile needs will be during the 1970's.

The idea of Advanced Planning briefings was originated at Department of Defense level. The Army has led with the first series of briefings and Redstone personnel are honored to have scored another first.

The Missile Command works hand in glove with American industry to assure that American soldiers in the field have the weapon they need when they need it. It seems fitting that we take the lead in this new concept of briefing industry concerning future needs. All who helped make the briefing a success deserve a "well done."



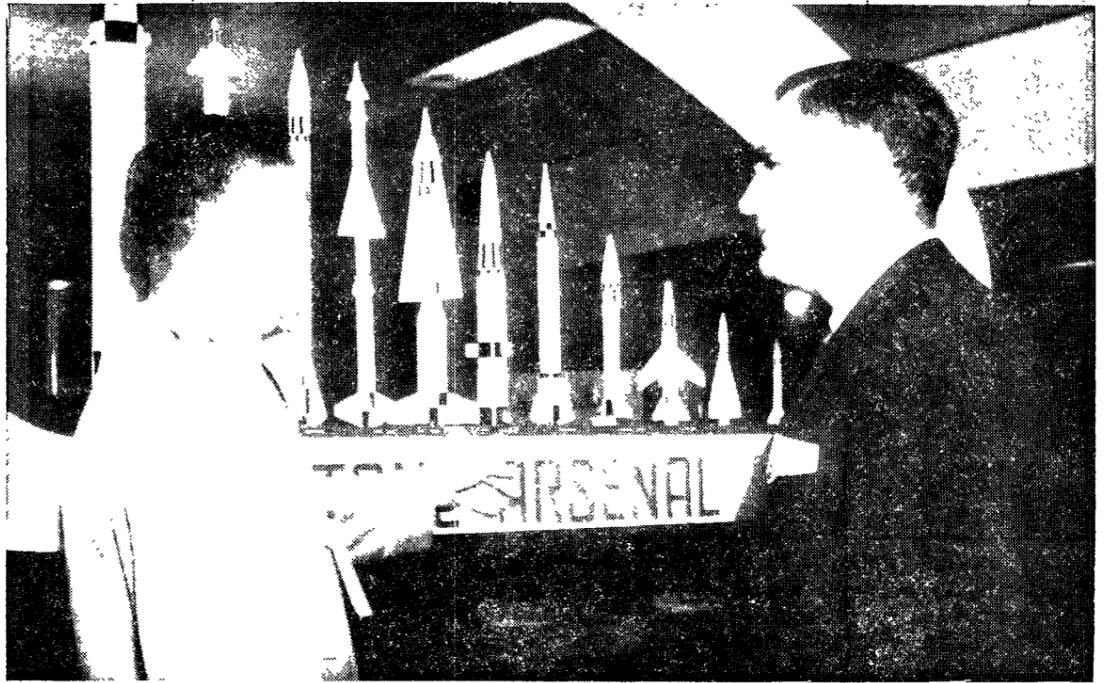
Long May They Wave

Four new banners have proudly waved at Redstone during the past week.

These are the U. S. Treasury Department's Minuteman Flags which signify 90 per cent personnel participation in the Savings Bond program.

Army units at Redstone have recorded good Savings Bond participation in the past but this is the first year the Minuteman Flag has flown.

The Rocket congratulates the Army Ordnance Guided Missile School, the Army Missile Support Command, and the Missile Command's Supply and Maintenance and Procurement and Production Directorates for earning the privilege to fly these flags. May they continue to fly and be joined by the Minuteman Flags of other units at Redstone.



THESE ARE ARMY MISSILES—Among the displays in the lobby of Rocket Auditorium this week is this exhibit of many of the Army's missiles. Col. H. H. Hewitt, Executive Officer the Research and Development Directorate, points out a few of them to Sheldon Smith, Vice-President and General Manager of the Douglas Charlotte Division of Douglas Aircraft Company.



INFORMAL CHAT—Military and industrial leaders had a few moments for informal "bull sessions" this week prior to the opening of the Army Missile Command's Advanced Planning Briefing for Industry. Here Brig. Gen. C. W. Eifler, Deputy Commanding General of Land Combat Systems, chats with T. F. Morrow, Vice-President, Defense Space Group of Chrysler Corporation.

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Civilian Welfare Council Holds Annual Election

Abner C. McNaron was voted another year as chairman of the Civilian Welfare Fund Council last week when the Council met for its annual election of officers.

McNaron, an employee of the Comptroller and Director of Programs Office, made the chairman's report on the activity of the Council during the past year and gave a short briefing on the plans for the coming year.

Joining him as officers of the Council are John F. McNeely, of the Procurement and Production Directorate, vice-chairman, and Michael Foster, of Research and

Dr. Steverding To Present Paper

A scientist from the Army Missile Command will talk about ablation this week at the Ninth Symposium on Ballistic Missiles and Space Technology which will be

Development, who will be the secretary of the Council for the coming year.

Raymond Reynolds was appointed custodian of the Council Funds for another year.

The other members of the Council are: Thomas Childers and Charles Cornelison, of the Support Command; William Callahan, Nike X; Charles Havens, OGMS; Edith Gibbs, Supply and Maintenance; and Cleo Cason, member at-large.

held in San Diego, Calif.

Dr. Bernard J. Steverding, a physicist with the Directorate of Research and Development's Physical Sciences Laboratory, has done considerable research work on the process for cooling nose cones subjected to the heat of re-entry. Ablation is the wearing-away of part of the nose cone material, which carries away heat at the same time.

Title of his presentation is "A Theory for the Ablation of Non-Newtonian Liquids Near the Stagnation Point."

Since coming to Redstone Arsenal in 1958, Steverding has written many technical articles for scientific publications, and has written a reference book titled "Thermodynamic Relaxation in Shock Waves."

Steverding received the PhD degree in theoretical physics from the University of Munster, and the Doctor of Engineering degree from the Institute of Technology in Aachen, both in Germany.

COL. McBRIDE

(Continued From Page 1)

to the Army Ballistic Missile Agency at Redstone as Deputy Director of the Training Division. Following this he was Deputy Director of the Industrial Division and then on special assignment in the Jupiter ballistic missile Project Office.

In other assignments, the new Hawk Project Manager has been in special weapons ordnance, Assistant Ordnance Officer for the XVIII Airborne Corps, Cold Weather Test Officer at Eglin Air Force Base, Commanding Officer,

GEN. GRAVELY

(Continued From Page 1)

Procurement and Production, Research and Development and Supply and Maintenance; the Missile Support Command and Ordnance Guided Missile School.

Post of Cordeal in the Canal Zone, and Chief of the Training Branch, Personnel and Training Division, Office, Chief of Ordnance.

LIBRARY

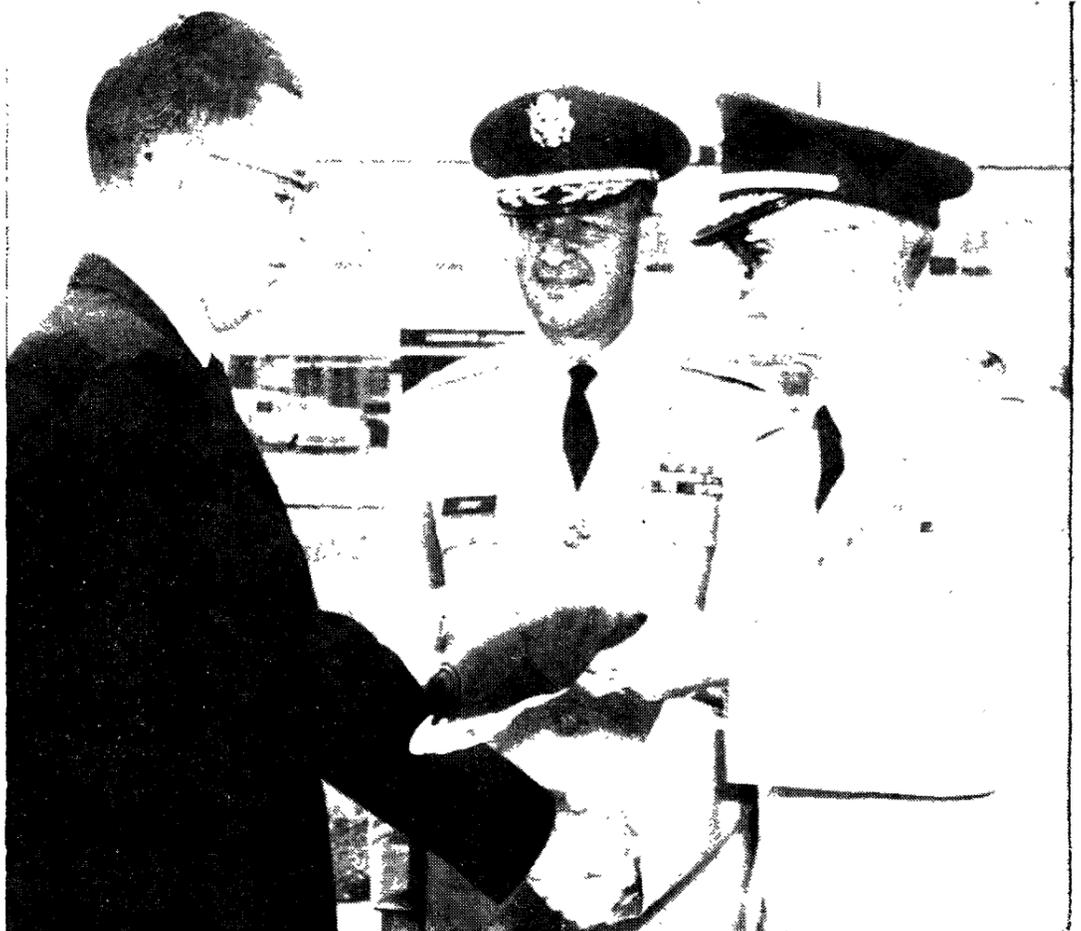
(Continued From Page 1)

The Defense Documentation Center with headquarters at Alexandria, Va., has maintained a field office at Redstone Arsenal for the past 18 months in the same building as RSIC.

Holdings in the Huntsville area were transferred to the Technical Library Branch of RSIC. The organization has a Research Branch with specialists in all technical fields capable of tackling specific problems in any depth desired. A Translation Branch translates needed foreign publications into English and an Information Programs Branch is currently occupied with automating many of the Center's services.



MINUTEMAN FLAG RAISED AT OGMS—At a brief but impressive ceremony the U. S. Army Ordnance Guided Missile School was presented the coveted "blue and white" Minuteman Flag for having better than 90% of the staff and faculty participating in the U. S. Savings Bond program. The presentation was made to Col. William J. Macpherson, commandant by the Hon. W. N. Neal, Assistant Secretary of the Treasury and Maj. Gen. W. C. Haneke, Chief of Finance, U. S. Army.



DIRECTORATE TO FLY FLAG—Paul Schaeppi (left), Acting Director of the Procurement and Production Directorate accepts a Minuteman Flag from Maj. Gen. W. C. Haneke at the fourth ceremony last Wednesday. The Directorate won the right to fly the flag because 90 per cent of the personnel are enrolled in the U. S. Savings Bond program. Center is Maj. Gen. John G. Zierdt, Commanding General of the Army Missile Command.



ACCEPTS FLAG—Col. Thomas W. Cooke (left) Commander of the Army Missile Support Command, accepts a Minute Man Flag from Maj. Gen. William C. Haneke, Commanding General of the U. S. Army Finance Center at Ft. Benjamin Harrison. The Army Missile Support Command has the greatest participation on post in the U. S. Savings Bond program with 92 per cent of the employees enrolled in the payroll deduction plan.

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Blair Elkin Improvised To Build Foundry

He has made his dreams come true. Back in the early 50's when Blair Elkin was just going into the foundry business at Redstone Arsenal, he had to build most of his equipment out of scraps from the Salvage Yard, and hope for better things in the future.

The foundry was established to aid the research engineers who were pioneering the development of Army missiles and rockets.

Today the Post Engineer foundry of the Army Missile Support Command is a flourishing concern giving expert service to Army Missile Command engineers and those from other agencies who seek the foundry's services.

Missile designers bring their drawings and requirements to Elkin in his small office at the foundry with every confidence that they will get what they need, and quickly.

The foundry is part of the Post Engineer Mechanical Division headed by M. H. Adcock.

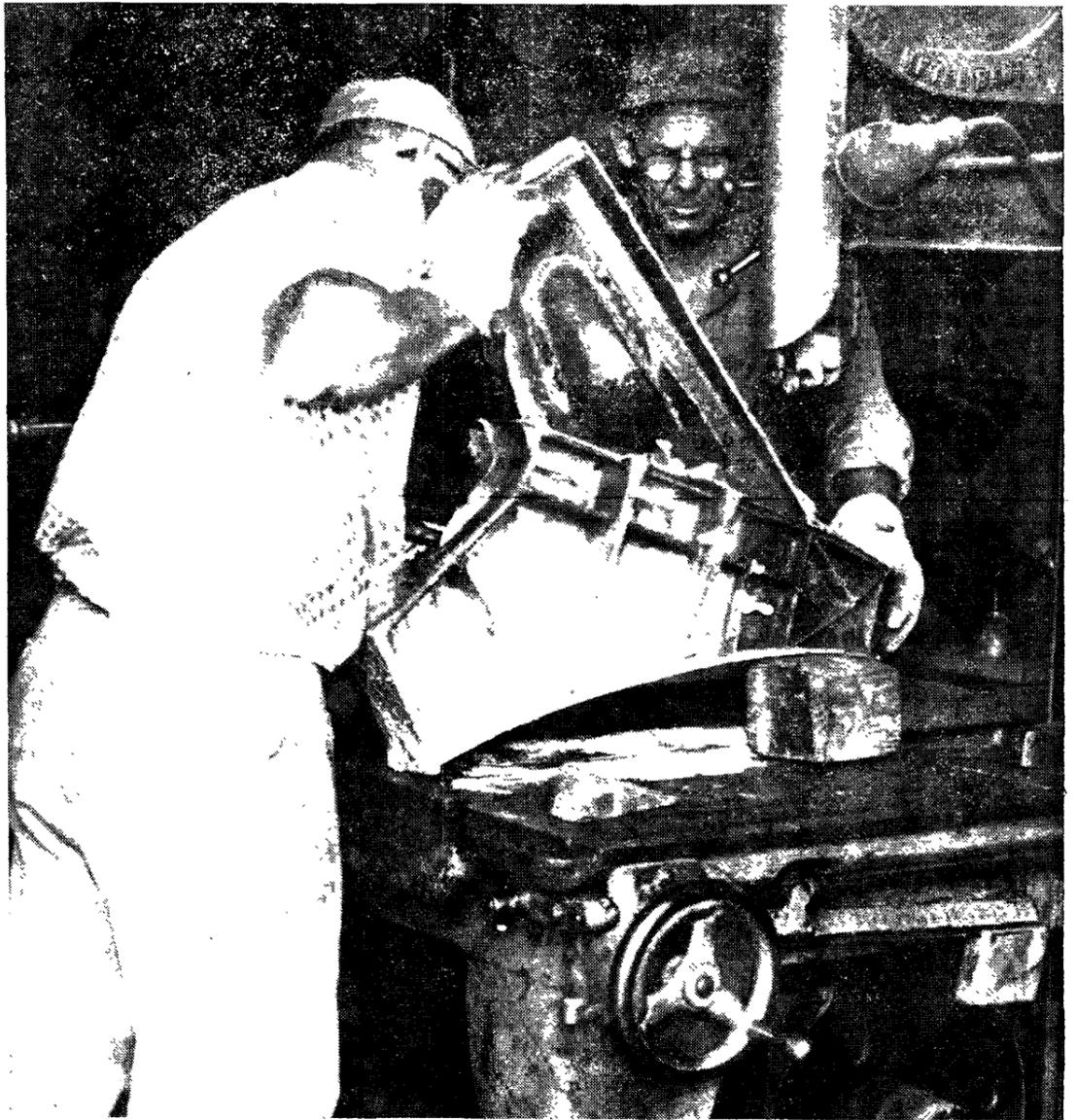
Adcock, who came to work at

Redstone in 1949, says Elkin's people produce the best quality castings in the U. S. They are so good, he said, that industrial missile contractors often request some of Elkin's castings to use until they can get tooled up in their own plants.

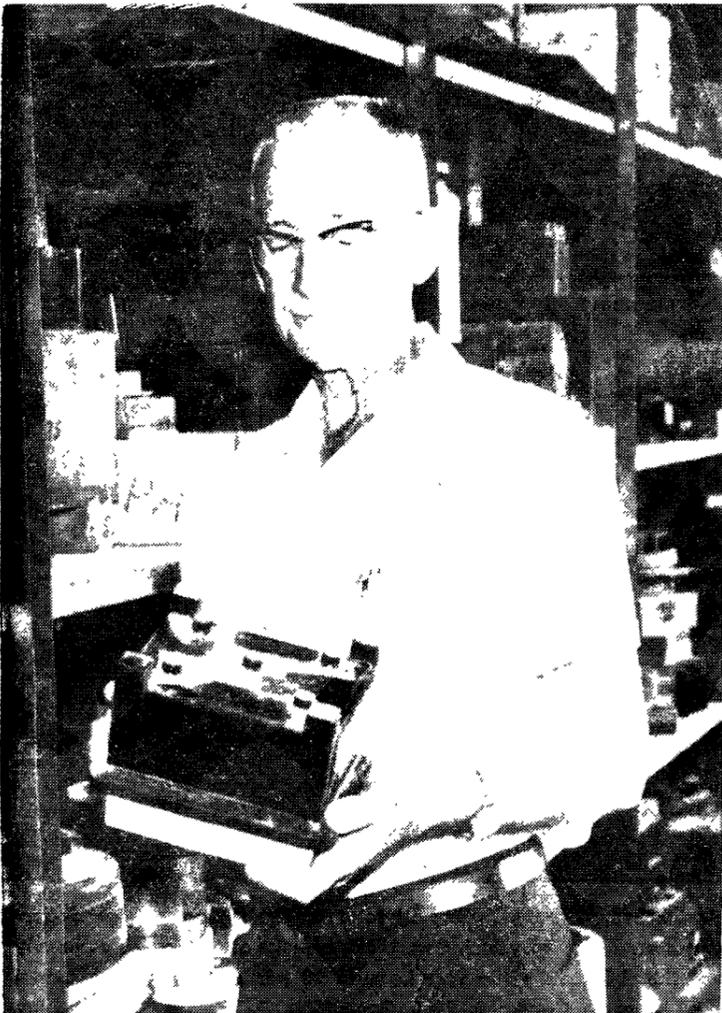
The first small foundry site is still visible from the windows of Adcock's office. There is an outline of the foundation with grass growing where the first homemade crucible furnace once blasted 2800 degree heat.

Since then, the foundry has expanded into three buildings. One is like a reference library filled with shelves holding patterns made in the past. Elkin says he tries to keep the place from overflowing, but he doesn't dare throw away anything until he has consulted the engineers to find out whether they will ever need it again.

Researchers use these old patterns as a basis for comparison when they are designing new mis-



WATCH YOUR FINGERS!—George Meade (left) and Roy Anderson do precision cutting with a high speed saw on a metal casting made in the Post Engineer foundry at the Army Missile Support Command. The foundry was established to provide quick and efficient service for the Army Missile Command's rocket and missile development engineers at Redstone. Most of the equipment they use was either built by the foundrymen or was taken over when it was excess at other government agencies.



ONE OF MANY—Blair Elkin, head of the Post Engineer foundry at the Army Missile Support Command, Redstone Arsenal, examines one of the hundreds of patterns he stores for reference by the engineers who develop the Army's missiles and rockets. Elkin's spirit and ingenuity have made the foundry a valuable contribution to the Army Missile Command's mission.

siles, or improving the ones we have.

A second building holds the wood cutting machinery where patterns are cut, then carefully hand finished by skilled craftsmen.

The third building is a welter of heat coming from the same old furnaces Elkin first built, a new electric furnace, and induction melting equipment for control of high temperatures and impurities. The floor is dotted with piles of sand, a brown variety that comes from New York state, and some snow white sand as fine as sugar purchased from a source in Arkansas.

Through his genius, Elkin has "made do" with metal scraps when there was no other way to get equipment. For a vacuum chamber, he borrowed drawings from some friends at the Naval Research Lab, and built his own. These chambers are now available commercially, but they weren't when Elkin first needed one.

The vacuum chamber is a device where molten metal is placed, then a vacuum attached to draw off all the gases that get into the metal while it is being melted. If there is any gas left in metal, imperfect castings result.

In order to thoroughly examine the castings for imperfections, they are put through an X-ray machine.

Elkin, a small, modest gentle-

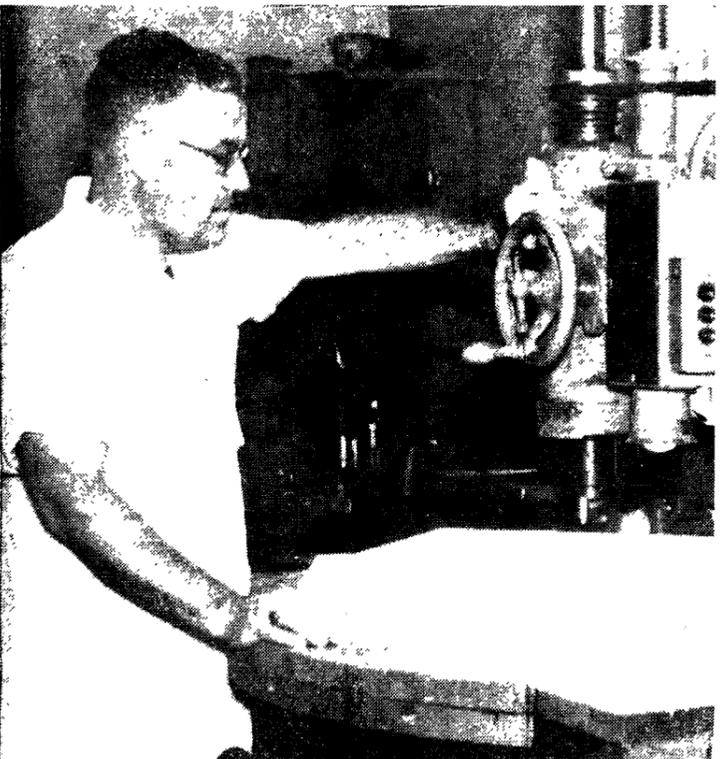
man, is a self-made artisan. Books on foundry work are scarce and vague. He started learning his trade in 1914 in his native state of Maine, then worked his way South until he reached Huntsville where he had a foundry of his own before literally building the one at Redstone.

His genius is not limited to building his own equipment. Through years of experience he has perfected methods of combining metals to fit specific needs. It isn't always possible to go into industry and get the same results. Besides, it would take much longer if engineers had to order their castings from outside sources.

Where once the foundry had to use whatever metal scrap was available from the Salvage Yard to make their castings, they now

buy copper, iron, aluminum, nickel, lead, tin, magnesium, and many alloys or combinations such as stainless Monell metal and other special alloys. There was a time when Elkin mixed metals to get the alloys they used. Now they can buy high purity alloys of aluminum and magnesium. They still mix metals to get bronze and brass.

Not only have Elkin's dreams resulted in a valuable contribution to the Army missile field, but also in developing a facility unique on Army posts. In addition, most commercial or industrial foundries are limited to one kind of metal. It's easy to see how the mission would slow down if every order had to be divided among several companies.



MOLDS IN THE MAKING—Kay Kennedy, a mold maker at the Army Missile Support Command's Post Engineer foundry is set to cut lumber for final hand finishing of one of the many molds he makes for castings. The molds he fashions must be exact in size for the Army Missile Command's engineers who develop missiles and rockets at Redstone Arsenal.

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SCHOOL RECEIVES 20 NEW OFFICERS

New arrivals at the Ordnance Guided Missile School this July included 20 Army officers; 11 of the 20 were assigned to the School's Department of Individual Training, Col. William J. McPherson, commandant, said.

In addition to the DIT assignments, the Office of Operations and Security gained four of the newly arrived officers; the Office of Logistics gained three officers, and a chief warrant officer was assigned to the 184th Ordnance Detachment.

Officers assigned to the DIT include Capt. Coleman D. Wilkinson, Joseph J. Hayden, Gary F. Dunn, Gerald R. Wetzell; CWO Charles D. Swick; Lts. Richard R. Rice, John K. Sterrett, John P. Kovac, Raymond G. Ayoub, John E. Merz and Clemmie G. Taylor.

Assigned to the office of Operations and Security are Capt. Wesley L. Taylor, Lt. Donald J. Stamps, and CWOs Rudolph S. Stout and I. T. Merritt.

CWO William L. Anthony was assigned to the 184th Ordnance Detachment. Department of Individual Training divisions involved in the assignments include the Air Defense Missile, Missile Components, New Missile and Literature, Artillery Missile and Officer Training and the Academic Operations divisions.

Post Library

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Librarian

NON-FICTION

Baker, Samm Sinclair, "Your Key to Creative Thinking."

Bray, William G., "Russian Frontiers."

Chidsey, Donald Barr, "The Birth of the Constitution."

Ditzen, Lowell Russell, "Jesus and our Human Needs."

Foot, Michael, "The Pen & the Sword."

Humphrey, Hubert H., "Integration vs Segregation."

Kilpatrick, James Jackson, "The Southern Case for School Segregation."

Ropke, Wilhelm, "Economics of the Free Society."

Roymond, Jack, "Power at the Pentagon."

Schorer, Mark, "Sinclair Lewis."

BIOGRAPHY

Andrews, Robert Douglas, "A Corner of Chicago."

Bourke-White, Margaret, "Portrait of Myself."

Huie, William Bradford, "The Hiroshima Pilot."

Hutch, Alden, "A Man Named John."

Johnson, Jack, "Black Champion."

Mary, Jeremy, "Scholars and Mystics."

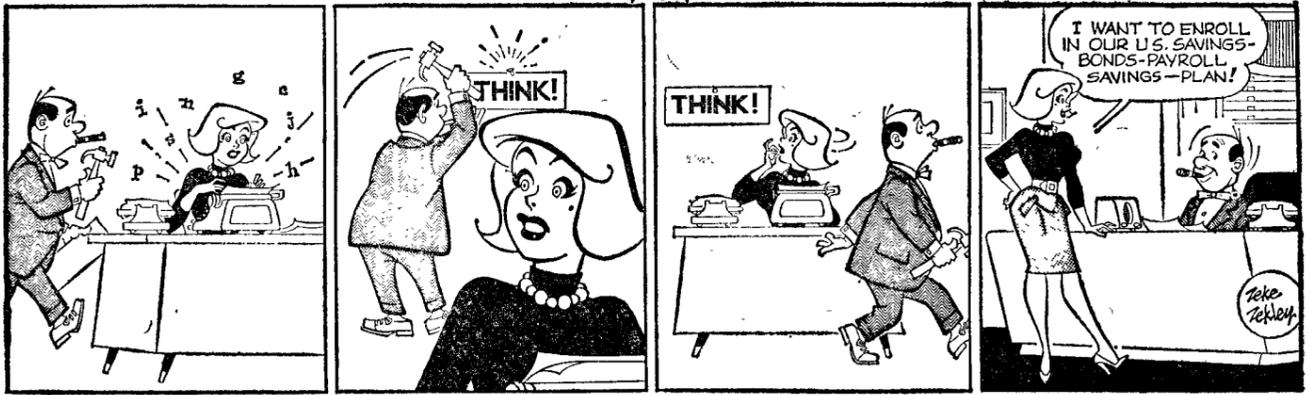
Musial, Stan, "Stan Musial."

Smith, Page, "John Adams. v. 1."

Smith, Page, "John Adams. v. 2."

Spencer, Sue, "African Creeks I Have Been Up."

Peachie Keen by Zeke Zekley



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Doctors Share Hazards With Arsenal Workers

Even without an Arctic seal's bark or fragrance of tropic flowers, doctors with the Army Missile Support Command's Occupational Health Service know how it feels weatherwise.

Missilemen continually test missile components in environmental chambers simulating such conditions. While the missilemen observe what happens to the missile parts, the doctors observe what happens to the missilemen.

There are three doctors, Dr. Burton S. Shook, Sr., the chief; Dr. Irene Roan in the dispensary on Rideout road near the Marshall Space Flight Center Industrial area; and Dr. David Migdoll, in the dispensary behind the Support Command headquarters.

The doctors observe potential patients on test towers and in tunnels. In the words of Dr. Shook, "I might make more money somewhere else, but every day is a new challenge that I wouldn't find anywhere else."

All Occupational Health activities at Redstone Arsenal, whether the employees belong to the Army or the National Aeronautics and Space Administration are the responsibility of the Army's Occupational Health Services staff. This extends to the NASA offices in the Huntsville Industrial Center.

Last October the operation of the Occupational Health Services was streamlined to attain greater efficiency with fewer people. All of the records were placed in one administrative branch under Dr. Shook with Stephen A. Pukl, administrative assistant, in charge of most of the administrative details. His offices are in Bldg. 7110 behind Post Headquarters where one of two dispensaries is maintained. The other is on Rideout road near the Marshall Space Flight Center's industrial plants. Dr. Migdoll handles most of the emergencies in the Headquarters area dispensary and Dr. Roan has her offices on Rideout road.

A third aid station is maintained in the Huntsville Industrial Center building with Mrs. Clarice Still on duty as the nurse in charge, and Claborn Crabtree stands by with an ambulance.

Ambulance service on post is furnished by the U. S. Army Hospital which also does the laboratory work and the X-rays for the Occupational Health Service.

All Federal employees undergo a pre-employment examination before they are put on the payroll.

Dr. Shook is proud of the amount of service his dispensaries can give. Two of four programs in addition to dispensary service would qualify the Occupational Health pro-

gram under the regulations, but his equipment and staff can handle all four; Hearing Conservation; Occupational Vision; Mental Health (Psychological); and Industrial Hygiene. Employees coming to work here are tested in a soundproof booth with audiometers and with a telebinocular machine to measure hearing and vision.

Later tests would show any lessening of the accuracy of either during the period of employment. This is insurance for everybody, but particularly for such occupations as chauffeurs where the individual could endanger not only himself but others if inefficient hearing or sight were not corrected.

The chief nurse for the operation is Mrs. Eleanor Brandon. On duty in 7110 with her is Mrs. Cherie Tyler. They handle audio and visual tests, immunizations and other nursing services. The two nurses on Dr. Roan's staff are Mrs. Grace Bonney and Mrs. Cora T. Sams.

This is one of the most diversified Occupational Health Services in the Army with a very small staff. The realignment is according to Civil Service changes published in 1963, the Army's regulations in 1964. Generally, the statistics for clinical services have not vacillated and the staff expects to see at least 30,000 individuals—more if the annual flu inoculation is administered in the Fall.

If an accident happens after normal duty hours on post, the Army Hospital takes care of the emergency. However, the Occupational Health Service emphasizes preventive medicine—not patching up. They work hand-in-glove with safety experts.

Some of the preventive medicine aspects fall into the area of mental health. Dr. Bartley B. Bess is the staff psychologist. His interest is seeing that his employees are psychologically suited to the work and environment in which they are assigned as well as assuring that they maintain mental well-being during their government service.

Richard D. Graeser is the staff industrial hygienist. His activities are centered in the worker's occupational environment where he makes frequent surveys to assure that the people are in a safe, wholesome and hygienic working area. Specifically he analyzes such things as air, water, light, noise and other factors that could affect the health of the individual or group.

A list of consultants is kept by the Chief of the Service. He is a specialist in such things as toxic poisoning—an always present hazard in some shops where they handle toxic metals and gases. In

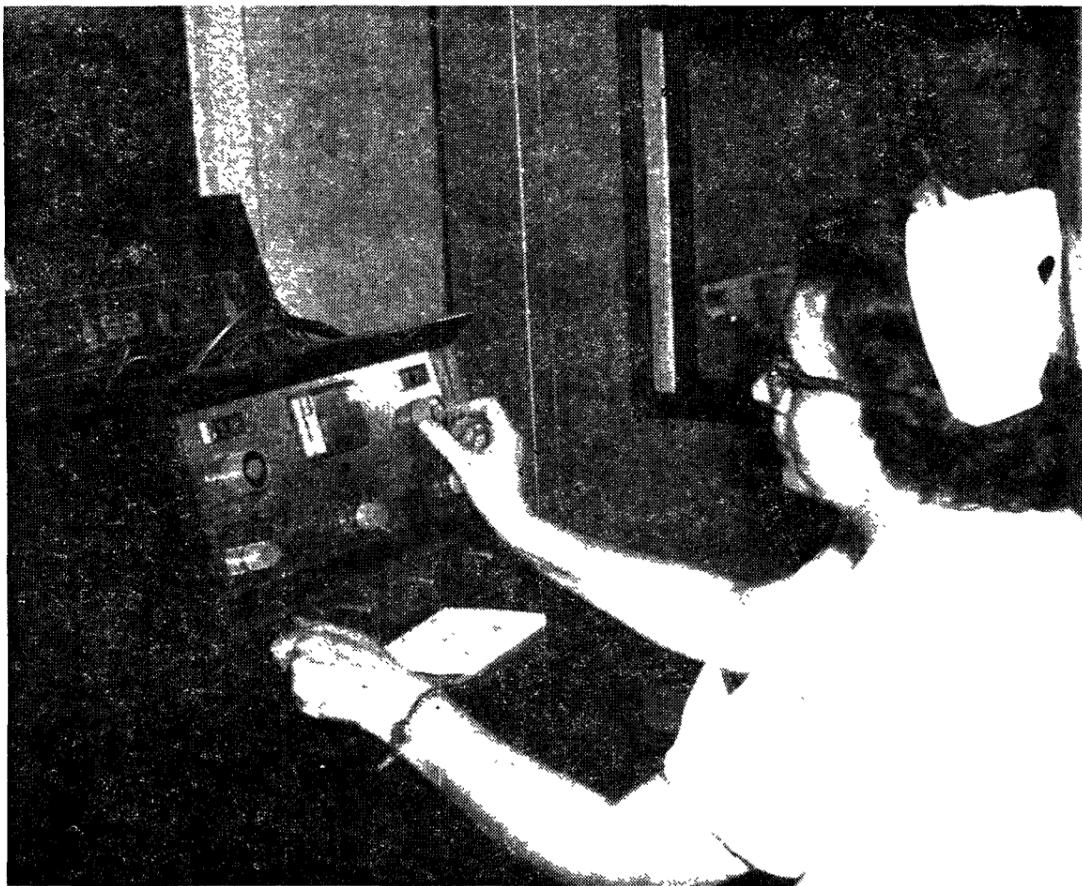
this area and for bone injuries, internal medicine and allergies, the Occupational Health Service staff serves as specialists. However, if it is deemed medically more appropriate, a list of local physicians and specialists in the surrounding community is on file, and the patient may be referred to one of these.

Even the healthy need doctors to stay that way. Missilemen and Space Men can be found on business almost anywhere on earth. They can't travel without immunization from the known diseases ram-

pant in many faraway places. So they are given immunizations in accordance with the standards of the Surgeon General, Department of the Army, and go about their business in comparative safety.



VIDEO TEST—Donald Brown tests the vision of Virginia Braziel during a pre-employment physical examination. She is working in Data Processing.



AUDIO EXAM—Stephen A. Pukl sits in a soundproof booth while Nurse Evelyn Steele gives him a hearing examination. He is chief of the Occupational Health Service Administrative Branch.



THE DOCTOR—Dr. Irene Roan is one of three M.D.'s on the Occupational Health Service Staff. She often may be found outside the dispensary during missile tests sharing the hazards under which the test men work.



BLOOD PRESSURE—Joan Chandler, secretary in the Electrical Utilities Branch of the Post Engineer, has her blood pressure checked by Nurse Cora Mae Sams.



HOW TO BEAT THE HEAT—There were some hot days last month, but Eldridge Malone of the Post Engineers found a way to beat the heat. While working at the corner of Mills and Martin Roads he gathered a bunch of sassafras leaves from a nearby wood and made himself the headdress shown here. Wherever Malone went his shade went with him.

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16	282.45	220.36	159.26	100	3000.00	2556.53	1596.33

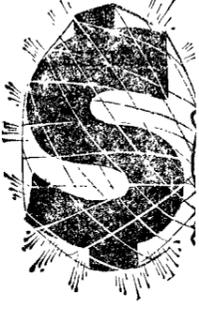
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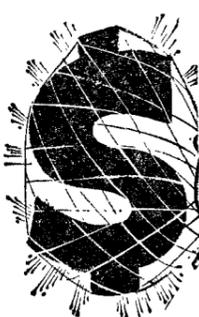
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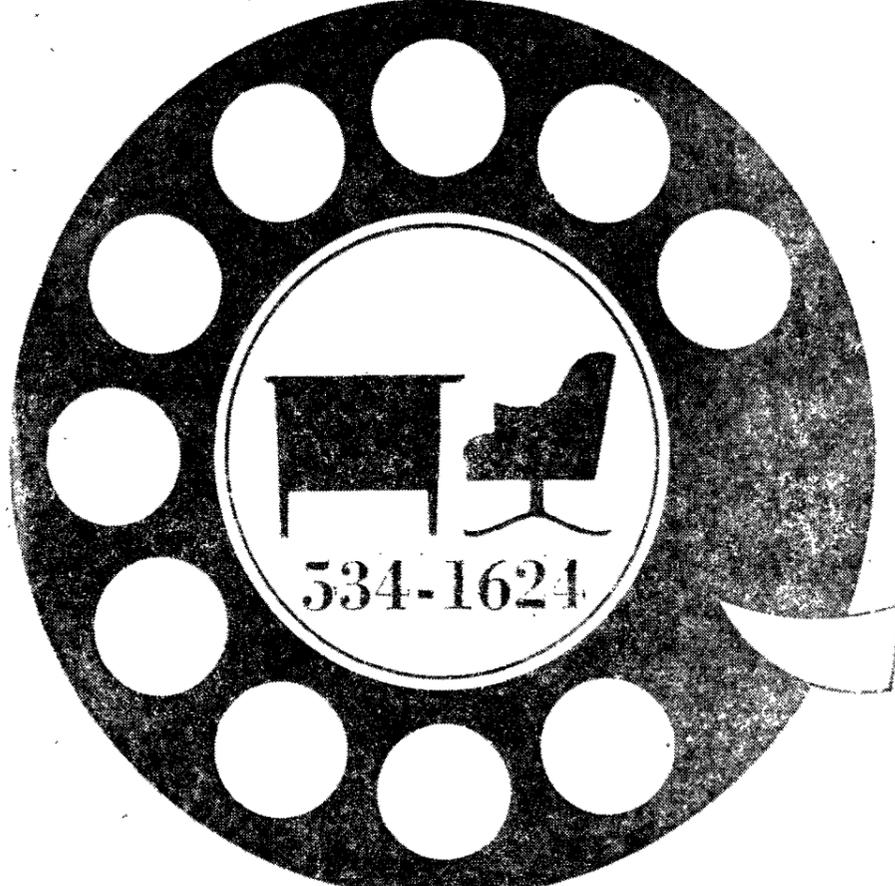
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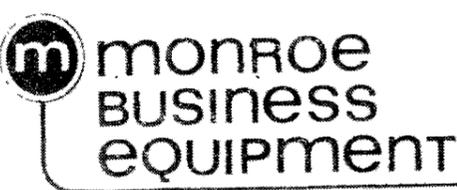
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SOCIAL ^{and} CLUB EVENTS

MONDAY BRIDGE WINNERS NAMED

At Monday night bridge last week, Maj. D. L. Cunningham and Mrs. John N. Crawford were high for the men and women respectively.

Runnersup were Charles Payne and Mrs. C. W. Hartman. Seven tables were in play.

The Group meets each Monday night at the Squirrel Hill Officers Club.

August reservations are being handled by Mrs. Crawford, 877-5763.

Fantasy Begins Drive

Fantasy Playhouse has opened its annual membership drive, offering family members season tickets at a discount until Sept. 12.

The Teen Guild of Fantasy opens the season at the Civic Arts Center on Aug. 26-29 with a production of "Stage Door".

Plays scheduled for presentation are "Mystery at the Old Fort," Oct. 17-18; Humperdinck's original "Hansel and Gretel", Dec. 5-6; and "Miracle Workers", Apr. 17-18.

Births At Post Hospital

Brenda Gay McLain, 6 lbs. 10½ ozs., July 28, daughter of Sfc and Mrs. Roy Herbert McLain.

Timothy Lee Alba, 7 lbs. 5 ozs., July 29, son of Pfc and Mrs. Vincent Lee Albs.

Linda Evon Read, 2 lbs. 11¾ ozs., Aug. 3, daughter of Sp4 and Mrs. Larry C. Read.

Cynthia Diane Lochli, 6 lbs. 12 ozs., Aug. 3, daughter of Sp5 and Mrs. Albert Lochli.

Dennis Victor Witthuhn, Jr., 6 lbs., 12¾ ozs., Aug. 3, son of Sp5 and Mrs. Dennis Victor Witthuhn.

Dance Classes Resume

Mrs. Betty Graham has returned from a visit to England and is resuming her "Ballet In Education" classes at Squirrel Hill Officers Club.

Ballet classes are held on Mondays and Fridays.

A beginners class for adults will be held on Mondays at 7:00 p.m.

For enrollment, ring 877-4632 before noon.



THREE OF A KIND—Mr. and Mrs. Collins Hess and 7-year-old daughter Cindy, admire the triplets born to Mrs. Hess a month ago. The triplets, all boys, changed the family balance so that the four girls are now outnumbered by one. From left the babies are: Gregory Walter, Collins Charles and Shaun Michael. And already they are uncles of Mark Demetrious Elms, born to the oldest Hess daughter five months ago.

Triplets Are Christened

Triplets Collins Charles, Gregory Walter and Shaun Michael, born July 9 to Mrs. Collins Hess at the Huntsville Hospital were christened recently.

Their father is a program analyst in the Technical Programs Control Office of the Research and

Development Directorate.

Mr. and Mrs. Hess have six other children, Mrs. Charles P. Elms whose son, Mark Demetrious is four and one-half months old; Linda Lee, a student at Auburn; Nicholis Anthony, 12; Douglas Collins, 9; Cynthia Lynn known to family and friends as Cindy, 7½; and Janice Lee, 5.

The arrival of the triplets has increased the tempo of family life at the Hess home by three. They are the first to be born in Huntsville since 1962 and they are probably the most-photographed babies in the area at present. A local TV station has followed their progress from arrival at the hospital, to going home, and christening.

To be sure one doesn't lose out at meal time, the Hess's carefully mark the schedule when the one who demands food has received his meal.

The older children are eager to help take care of the new arrivals. Mrs. Hess expressed surprise that her 12-year-old son, Nicholis proved a willing hand at bathing the babies. Cindy would like to treat them like dolls and is growing proficient at baby care.

The Hess family moved to Huntsville from Lima, Ohio in 1959.

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Movie Schedule

WEDNESDAY, 12 August "Johnny Cool" (M)

THURSDAY-FRIDAY, 13-14 Aug. "The New Interns" (M)

SATURDAY, 15 August "It Happened at the World's Fair" (F)

SUNDAY-MONDAY, 16-17 August "Wild and Wonderful" (M-YP)

TUESDAY, 18 August "Station Six-Sahara" (M) Two shows nightly at 6:00 and 8:30 p.m. Saturday matinee at 1:00 p.m., and Sunday matinee at 2:00 p.m.

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LEGION OF MERIT AWARDED—With members of his family looking on, Col. Edward D. Mohlere, new Chief of Staff of the U. S. Army Missile Command, was awarded the Legion of Merit in recognition of outstanding service during his tour of duty in Vietnam. Maj. Gen. John C. Zierdt, Commanding General of the Missile Command, made the presentation. From left are daughter Melinda, Col. Mohlere, Mrs. Mohlere, Gen. Zierdt and Col. Mohlere's youngest son, Michael.



PICKLE PLANNING—When Missile Command employees lock their safes for the day, they have a number of ways to relax. One of the most popular in summertime is gardening. Security Specialist Doris Ellett (right) shows Secretary Ann Lay three cucumbers from her home garden. Both are employed by the Operating Services Office, Directorate of Research and Development.

At The Service Club
By Brenda Hanson

We have one month left of the "good ole Summer", and I urge you to enjoy all of the summer sports available to you. At the Service Club, we plan to take advantage of the hot weather as the week's schedule illustrates.

After 6 tonight request your

favorite classical and light classical pieces. Checker fans, we scheduled a contest at 8 p.m. to-night.

The bridge club meets tomorrow night in the small lounge. We would like to collect a few more players. So if you're interested in bridge, come by and join us. You don't need to be an expert.

A shuffleboard contest will be held August 14 at 8 p.m.,

Do you think your musical ability extends to identifying the popular tunes of the day? If so come to the club on August 15 and play "Name That Tune". Prizes will be given to the winners.

Sunday, coffee and donuts are served from the kitchen at 9 a.m.

At 3 p.m., we have scheduled "Frenchie & Woodie", a folk singing duo from Kent State, Kent, Ohio. A Record Dance begins at 8 p.m. The dance theme is "Swing and Sway". We invite you to attend. Art Hertter will spin top labels for you.

August 17 is game night. Come over and take a free shot at the prizes, at 8 p.m.

MISCELLANEOUS:

Winner of the recently held pool contest was James E. Stewart, of 1st ETC. James displayed a remarkable array of control of the cue and came out the winner. Congratulations James!

August is by no means dead and done with. We have a host of "Fun" activities in store, including a post-wide ping-pong contest and a Ship Wreck Dance.

Brenda

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Rockets Split A Card

After winning six out of eight encounters on the home diamond, the Redstone Rockets took to the road to split a pair of games with Ft. McPherson in Atlanta.

The Rockets absorbed a 11-1 trouncing doled out by McPherson in a Saturday afternoon game and then came back to edge out a 7-6 win in the second game of the set on Sunday afternoon.

The Rockets had captured another 7-6 win on Tuesday shading the American Legion Post 351 nine of Huntsville.

In both of the winning efforts the Rockets were forced to come from behind to chalk up their victories.

Against the Legion team the home team trailed until the last of the ninth when they came up with a pair of markers to send the game into extra innings. The Rockets won it in the 11th with an-

other pair of scores.

Art Cole, the hard-hitting Rocket outfielder had a hand in both the rallies. In the ninth his double following a walk to Mel Anderson put the tying runs in scoring position. Anderson came home on a single by Jim Wollrab and Cole counted on a sacrifice fly hit by Irv Lyles.

In the eleventh Cole singled, took second on a sacrifice and scored on a bunt by Wollrab together with an overthrow at first.

The first game at Atlanta was all Ft. McPherson as the Rockets were forced to be content with a single second inning run. The Georgians got to Rocket right-hander Tony Cerna for eight runs in the first five innings to put the game out of reach.

Dan Walker carried the lone Rocket run home when he singled, took third on another base hit by Pete Carruthers' bunt.

A pair of eighth inning runs provided the winning margin in the Sunday game. The Rockets had taken an early 5-2 lead but fell behind when McPherson rallied in the middle frames.

Walker led off the winning rally with a single and stole second. Carruthers singled Walker home with the tying run and after two outs, Mel Anderson doubled to the right field wall to send Carruthers home with important run.

Cole was responsible for the early Rocket lead with a long home run over the left field fence with two mates aboard.

Dan Durant was credited with the win after going eight innings. He allowed all six of the McPherson runs on eight hits.



AND STILL THE BOSS—Col. Mort Loomis was in quite a predicament recently when it came time to award trophies to the winners of the Sergeant Project Office golf tournament. As Project Manager, it was his duty to make the presentations, and as a golfer, he was the recipient of the championship trophy. The Project Manager teamed with Lt. Col. Forrest Spiva to take the second flight title and later the Loomis-Spiva duo added the playoff title to their laurels by defeating the winners of the other two flights. Pictured above are the flight winners of the tournament. They are, (left to right), Lt. Col. Spiva, John Hall, John Ross, Col. Loomis, Herb Nagle and Troy Faulkner. Hall and Ross were the winners in the third flight while Nagle and Faulkner took the first flight crown.

SWF SOFTBALL

Standings—End of First Half

	Won	Lost
Pershing	8	0
Pro & Prod	7	2
NASA	6	2
Fin & Acct	5	3
Communications	5	4
AMSC	4	5
Comp Ctr	2	6
Sup & Main	2	6
Propulsion Lab	2	7
S & M Lab	1	7
Standings — Second Half		
Pro & Prod	2	0
NASA	2	0
S & M Lab	2	0
Fin & Acct	1	0
Pershing	1	0
AMSC	1	1
Comp Ctr	0	1
Communications	0	2
Sup & Main	0	2
Propulsion Lab	0	2

Games This Week

Friday, Aug. 14
 5:15—P&P vs. Comp Ctr
 5:15—AMSC vs. S&M
 6:45—Pershing vs. Communications

Monday, Aug. 17
 8:15—S&M Lab vs. Fin & Acct

Tuesday, Aug. 18
 5:15—NASA vs. Pershing
 5:15—AMSC vs. Prop Lab
 6:45—Comp Ctr vs. F&A
 8:15—S&M vs. Communications.

All-Stars Shutout Huntsville

The Redstone All-Stars for their seasonal play underway last week with a pair of shutout victories over teams from Huntsville. The team was formed at the conclusion of the regular league season.

The All-Stars opened play with a 9-0 lashing of the Northrop team on Tuesday and followed it up with a 1-0 victory over Brown En-

gineering the following night.

A pair of pitchers worked each night with Bill Huber starting against Northrop and coming on to finish the game with Brown. Eugene Ames tossed part of the opener and Charley Gunn was the starter in the second game.

Tony Novak and Wayne Koopman, who handle the third base and shortstop assignments respectively for the All-Stars, were the big men with the bats in the open-

ing win. Novak contributed a pair of singles while Koopman had a double and a single driving in four runs.

The game with Brown Engineering developed into one of the finest softball exhibitions seen at the Arsenal in several years.

Gunn and John Noy were locked in a scoreless duel through five frames when Huber came on to carry the duel through another

inning.

In the bottom of the sixth Earl Dunn bunted safely and raced to second on a passed ball. Manny Flores sacrificed Dunn to third and then Jim Ricketts delivered the only run of the game with a line single into left.

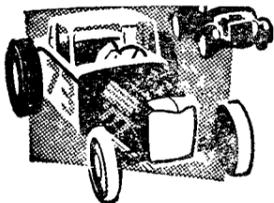
The All-Stars were only able to collect three hits off of Noy while Brown was being limited to two by Gunn and Huber.

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A-410-A	1961	CHEVROLET	Convertible	\$1595	A-80-C	1957	FORD	Panel Truck	475
A-4	1957	CHEVROLET	2-Door	975	R-50-A	1960	OLDSMOBILE	4 Dr. Hardtop	1375
R-60	1958	CHEVROLET	Wagon	875	A-50-B	1959	OLDSMOBILE	4-Door	1175
A-80-B	1957	CHEVROLET	Wagon	450	A-292-C	1957	PLYMOUTH	4-Door	300
A-418-A	1955	CHEVROLET	Wagon	375	A-325-A	1959	PONTIAC	4-Dr. Hardtop	1075
R-65-A	1954	CHEVROLET	2-Dr.	300	A-309-A	1955	PONTIAC		125
A-141-B	1954	CHEVROLET	2-Door	475	U-73	1963	AMERICAN	2-Door	1575
U-75-A	1955	DODGE	Co. pe	375	R-70	1963	RAMBLER	2-Door	1475
U-78	1962	FORD	Pickup Truck	1375	A-470-A	1963	RAMBLER	4-Door	1575
U-79	1962	FORD	Pickup Truck	1375	A-206-B	1963	RAMBLER	2-Door	1775
U-76	1961	FORD	Pickup Truck	1275	U-81	1963	RAMBLER	4 Dr. Wagon	1775
U-77	1961	FORD	Pickup Truck	1575	A-462-A	1963	RAMBLER	2-Door	1575
U-80	1961	FORD	Pickup Truck	1275	A-436-A	1961	RAMBLER	4-Door	975
A-422-A	1961	THUNDERBIRD		2275	A-149-A	1963	RAMBLER	2-Door	1675
A-413-A	1961	FALCON	2-Door	875	A-412-B	1960	RAMBLER	Wagon	575
A-244-A	1960	THUNDERBIRD		1875	A-145-A	1958	RAMBLER	Ambassador	475
A-430-A	1959	FORD	Wagon	925	A-173-A	1959	RAMBLER	Wagon	675
A-135-A	1958	FORD	4-Door	625	A-513-A	1959	STUDEBAKER	Wagon	375
U-70-A	1959	THUNDERBIRD		1275	A-409-B	1960	STUDEBAKER	Wagon	875
R-69	1959	FORD	Wagon	475	A-488-A	1963	VOLKSWAGEN	Sedan	1675
A-413-B	1957	FORD	2-Dr. Hardtop	475	R-64-A	1960	ENGLISH	FORD	675
A-432-A	1957	FORD	4-Door	475	A-508-A	1963	VOLKSWAGEN	Bus	1875
					A-421-A	1959	RENAULT	4-Door	275

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Ulloth Minimizes Chance On And Off The Job

Pvt. Dana Ulloth is one soldier who firmly believes Army recruiting posters when they entreat qualified young men to "join the Army for choice — not chance."

Ulloth, not more than six months ago, was a civilian whose big ambition was to play an active part in the missile and space age. Today he is a soldier-physicist with the U. S. Army Missile Command — by his own choosing.

A native of Fletcher, N. C., Ulloth, 22, works in the Propulsion Laboratory of the Research and Development Directorate. A big part of his work is the programming of computers "to determine the best possible missile designs."

Computers can be used to evaluate such things as distortion and combustion processes of spinning or high-acceleration rockets. This is done by feeding the computer

such data as amount of fuel in rocket motors, geometric shape of propellant design and even results of static tests.

The computer, in turn, will show and deviation from a normal burning period which could cause a change in the center of gravity of the missile.

"What it amounts to is a computer report which shows what effect an uneven burning rate has on guidance," Ulloth said. "This, of course, determines the shape or design of the missile."

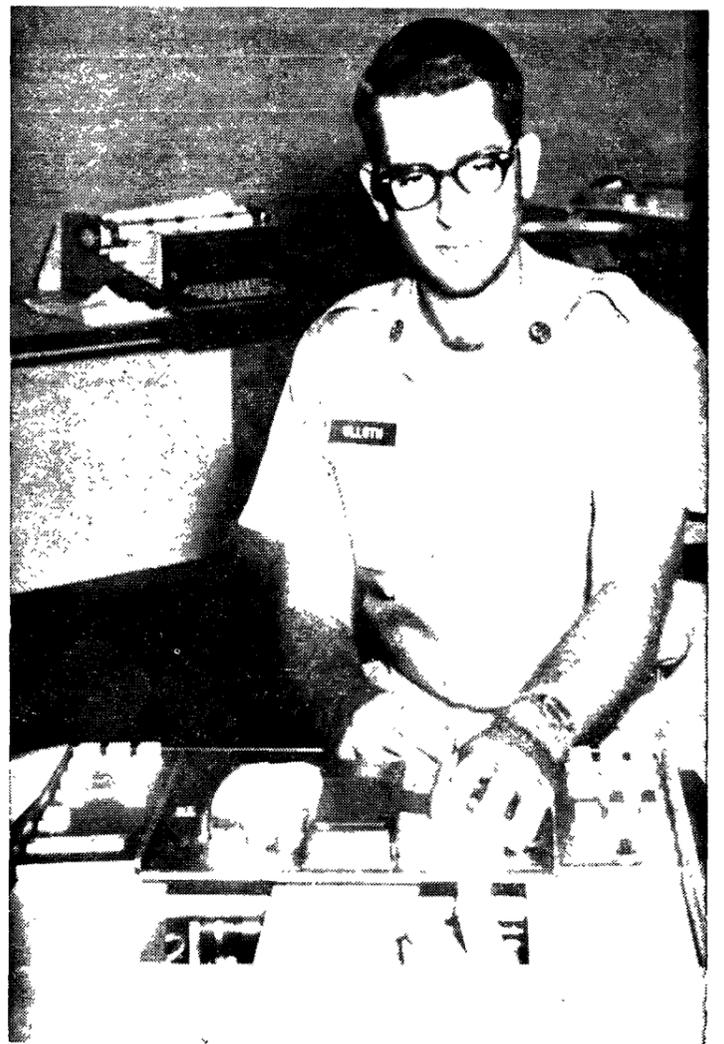
"Many of the programs that I write for computers take data from rocket firings and describe, in detail, how the inside of a motor looks and is acting at any given time. The computer analyzes what it sees and gives its answers on a typewritten page."

Another phase of Ulloth's work is the evaluation of missile failures.

"A motor that has exploded, or failed, for instance, provides us some data in the few seconds of its burning rate before failure," he said. "This, along with the same data that was used for the actual test, is fed into the computer. From this, we can determine how, or why, the motor failed."

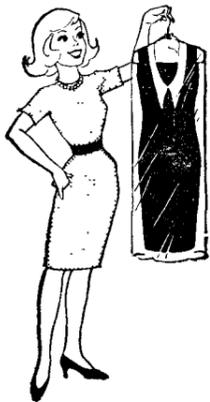
A bachelor, Ulloth says "I like the work quite well — especially working with computers."

Ulloth, who received his Bachelor of Arts degree in Physics from Southern Missionary College, near Chattanooga, has been at Redstone Arsenal for about three months.



SOLDIER AT WORK—Pvt. Dana Ulloth, a soldier-physicist with the Army Missile Command, is programming a computer which helps determine Army missile designs. Ulloth works in the Propulsion Laboratory of the Research and Development Directorate.

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The Redstone Rocket — August 12, 1964 Page 11

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With an HFC Traveloan you can take your leave wherever you wish—and leave your money worries behind. Household Finance will provide cash for transportation, lodging, clothing—every travel need. And you can repay HFC sensibly and conveniently when you return.

HFC's military loan specialists answer the special money needs of more than 100,000 servicemen every year. May we help you?

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Cash You Get	MONTHLY PAYMENT PLANS			
	6 Payments	12 Payments	18 Payments	24 Payments
\$ 50	\$ 9.23	\$ 5.02		
75	13.84	7.53	\$ 5.45	
100	18.46	10.05	7.27	\$ 5.90
200	36.92	20.09	14.54	11.81
300	55.09	29.87	21.54	17.42

Above payments include principal and interest. Life Insurance is available at group rates on loans above \$100.

Cash You Get	MONTHLY PAYMENT PLANS		
	12 Payments	24 Payments	30 Payments
\$500	\$46.81	\$24.78	
700	64.92	34.30	
1000	92.30	48.76	\$40.05
1500	137.80	72.80	59.80
2000	181.96	96.13	78.96

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

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Corporations

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HUNTSVILLE OFFICE
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Hours: Mon., Tues., Wed., Fri. 9:30 to 5:30—Thurs. 11 to 8 P.M.
Loans made to residents within a 100 mile radius

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Shaughnessy Recognized By Professional Society

The board of directors of the American Society of Traffic and Transportation announces the election to certified membership of Richard J. Shaughnessy, 1703 Wakefield Drive, N. E., Huntsville.

Shaughnessy is employed as a transportation specialist at the Army Missile Command.

He was elected after taking the society's professional transportation examination which was established by the transportation industry in 1948.

The objectives of the society are to establish standards of know-

Gen. Eifler To Speak

The Northeast Alabama Chapter of the Alabama Society of Pro-

fessional Engineers will meet on Thursday, at the HIC Cafeteria. The social hour begins at 6:30 p.m. with dinner at 7:30 p.m.

Guest speaker will be Brig. Gen. Charles W. Eifler, Deputy Commanding General, Land Combat Systems, at the Army Missile Command. General Eifler's topic will be Financial Irresponsibility.

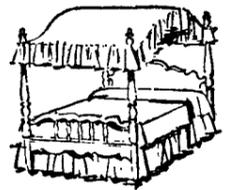
ledge, technical training, experience, conduct, and ethics and to encourage the attainment of high standards of education and technical training requisite to the proper performance of the various functions of transportation.

U. S. Series E Savings Bonds offer a distinct tax advantage to bond-holders, particularly those planning for retirement, in that the interest earned each year need not be reported as income until bonds reach maturity. And if the E Bonds are exchanged—as they mature—for H Bonds, the income tax on accumulated interest is further deferred until the H Bonds reach maturity.

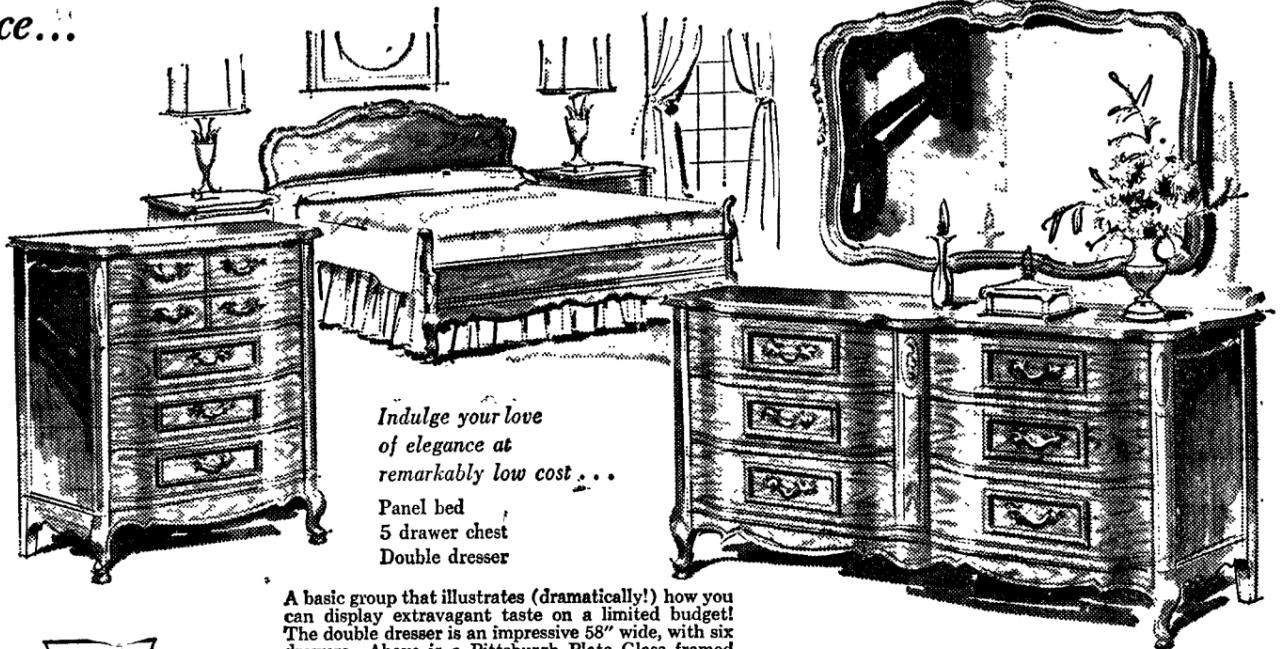
Barbizon

A new group by famous Bassett that captures the mood and elan of la belle France...

❖ Barbizon . . . a village near Fontaine Bleau . . . was the source for this inspired collection by the international designer, Leo Jiranek. Here — in abundance — are the pure French Provincial pieces that find their origin in the era of Louis XV. Hand selected cherry veneers, exquisite detailing . . . and proportioned in the grand manner. Also available in Lorenthian White, an antiquated finish that is prized among decorators. Isn't it astonishing how little you need pay for this luxurious furniture?



Poster Bed! Canopy Frame.



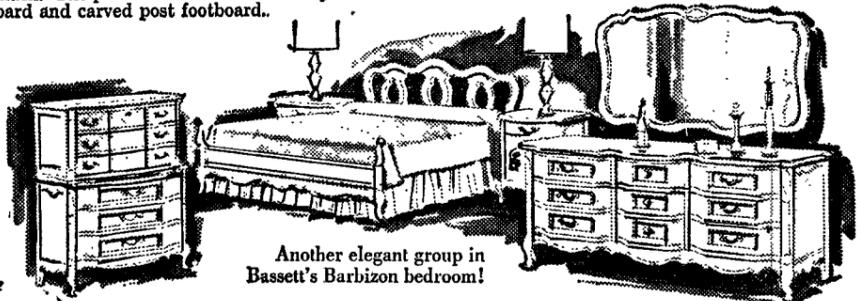
Indulge your love of elegance at remarkably low cost . . .

Panel bed
5 drawer chest
Double dresser

A basic group that illustrates (dramatically!) how you can display extravagant taste on a limited budget! The double dresser is an impressive 58" wide, with six drawers. Above is a Pittsburgh Plate Glass framed mirror 42"x30". At left is a 5 drawer chest that has storage space that you may never fill! All drawers with no-sag Permasheen interiors. Grand Rapids Guardsman® finish. The panel bed has an elaborately shaped headboard and carved post footboard.

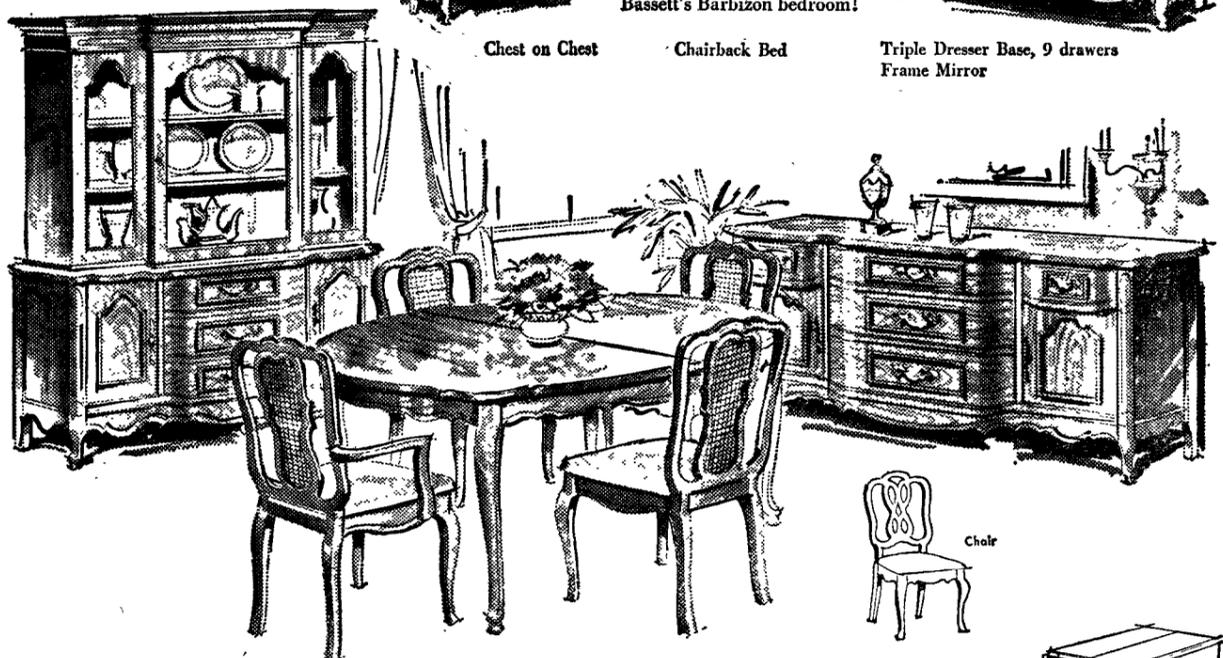


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Another elegant group in Bassett's Barbizon bedroom!

Chest on Chest Chairback Bed Triple Dresser Base, 9 drawers Frame Mirror



Sterling silver, damask, and Barbizon!

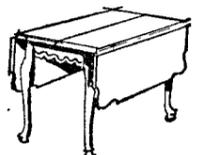
Don't be surprised if this magnificent group changes your way of living! You'll want your best china, your loveliest silver, your finest linens gracing this dining room (even during family dinners, when there are no guests to impress!)

China, 3 drawers, 3 doors
Buffet, 5 drawers, 2 doors
Oval Table
Arm Chair (cane back)
Side Chair (cane back)



Chair

Drop Leaf Table



China Hutch, 4 doors (Bross Grills)
China Base, 2 drawers, 2 doors

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NEW OFFICERS—New officers for the Huntsville Chapter of the Society for Personnel Administration are (left to right): Marian Hocker, Missile Support Command, secretary; Roy Hollihan, Redstone Federal Credit Union, president; John Hinkle, Missile Support Command, vice president; and Jimmy Temple, Marshall Space Flight Center, treasurer.

Zero Defects Workshop Explains Army Program

The first in a series of workshops to explain the Army Materiel Command's new Zero De-

fects Program, was conducted at the Army Missile Command Aug. 5-6.

Attending the two-day session were 40 key personnel from AMC

commands and procurement districts.

The keynote address—outlining Zero Defects policy—was given by K. E. Joy, chief, Quality and Reliability Management Office, Army Missile Command. Chairman of the ZD Workshop was W. T. Anderson, special assistant to Mr. Joy.

Two highlights of the workshop were presentations by Martin Company personnel on the over-all ZD philosophy and methods for meas-

Two Scholars Earn AUSA Coat Of Arms

Two students from Michigan and New Jersey Friday received one of the Army's highest academic honors at the Ordnance Guided Missile School.

The coat of arms of the Association of the U. S. Army was awarded 1st Lt. Malcolm R. O'Neill, son of Mr. and Mrs. James C. O'Neill of 1446 Rosemont Ave., Chicago, for an average of 96.8 in the field artillery missile course for officers and to Pvt. Andrew Haisor Jr. of 25 Summer St., Passaic, N. J., for a score of 96.5 in a guided missile repair course.

They were among 30 graduates from Greece and the United States who received diplomas.

Lt. Col. Stanley W. Tyler of the Army Missile Command warned the missile graduates that they must possess more loyalty, skill, ingenuity and technical knowledge than is available to 75 percent of the nation's population.

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NO. PARKWAY BRANCH OFFICE 539-8865

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PARKWAY CITY BRANCH OFFICE 539-5172

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9:00 A.M. to 5:00 P.M. Saturdays

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Page 14 The Redstone Rocket — August 12, 1964

1. For Rent

FOR RENT—TV's portables, UHF-VHF, by day, week or month. 1964 models. Phone 536-9761. Central TV and Stereo Co., Inc., corner Governors Drive and Parkway. Open 8 a.m. to 7 p.m. daily. Phone 534-8689. tfc

FURNISHED—1 or 2 bedroom apartments on dead-end street away from noise, yet very convenient to Gates 1, 8 and 9. Call 536-0775. tfc

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 of office space, second floor Quick Building. Available July 1. 117 Greene St., Downtown Huntsville. Phone 534-5127 or 534-4551. tfc

2. Cars For Sale

1964 FORD GALAXIE 500XL — 2-door hardtop. 390 Thunderbird engine, 4-speed transmission. Warranty goes with car. Pho 837-0522. ttc

FOR SALE—1960 Olds Fiesta 9 pass. wagon, factory air condition. For sale by original owner. Call Hayes, 876-1987 or 539-3203. ttc

3. Miscellaneous

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. ttc

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. ttc

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Phone 536-9761

WANTED to keep small girl around 3 years in my home for working mother. Phone 852-1406. ttc

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. ttc

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

WANTED TO BUY—Matched pair of Stereo speakers. Call Hollway 876-5510 during duty hours or Arab 586-3319 ttc

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5. Houses, Lots - Sale

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. ttc

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GETS EAGLES—Col. Curtis Ferrell (center) Chief of Supply Management for the Army Missile Command's Directorate of Supply and Maintenance receives the silver eagles of his new rank. Pinning on the insignia are Maj. Gen. John G. Zierdt, Commanding General of the Missile Command (left) and Brig. Gen. Howard P. Persons, Deputy Commanding General, Air Defense Systems.

Supply Management Chief Promoted To Full Colonel

The Chief of Supply Management for the Army Missile Command's Directorate of Supply and Maintenance has been promoted to the rank of full Colonel.

He is Col. Curtis L. Ferrell, Jr., who received the Colonel's eagles insignia Friday from Maj. Gen. John G. Zierdt, Commanding Officer of the Missile Command.

Col. Ferrell entered Army Service in 1940 as an enlisted man and was commissioned a second lieutenant in 1942 on graduation from Officers Candidate School.

A native of Hattiesburg, Miss., he later moved to Tuscaloosa Ala., and attended high school there. Col. Ferrell also attended the American School of Design in New York City.

He participated in the Army campaigns of World War II in Northern France, Normandy, Rhineland, and Korea.

Col. Ferrell has been assigned to Redstone Arsenal on one previous assignment in 1957-59. He began his current assignment here in August, 1962.

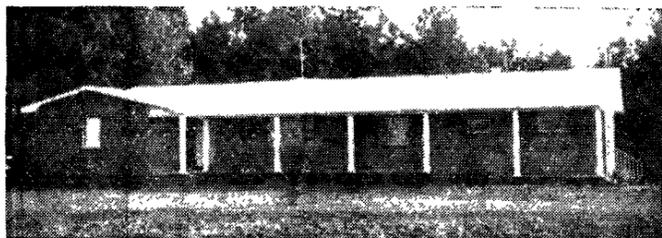


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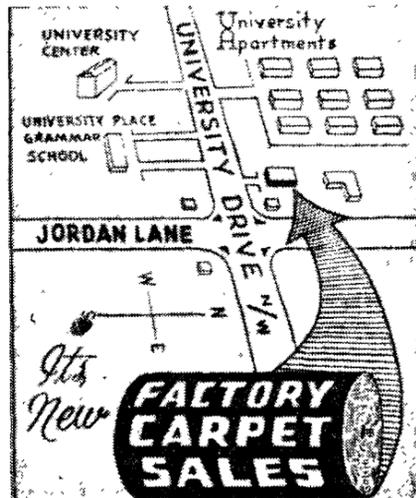
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Welcome Mat

The ROCKET extends a welcome to the following named military personnel who have recently been assigned to Redstone Arsenal organizations.

Col. Edward D. Mohlere, MCOM Chief of Staff; Col. Milton H. Clark, (duty station as Vandenberg AFB) and Capt. Charles R. Cranford, Jr., both assigned to the DCG, Air Defense Systems;

Capt. Al Smith Medlock, Capt. Frederick H. Niedermeyer CWO Alan P. Patterson and CWO Bobbie D. Traylor, all assigned to the Hercules Project Office; Col. Arthur W. Reed, Redeye Project Office; CWO Don Geouge, Sergeant Project Office;

Maj. Robert H. Newell, Directorate of Procurement and Production; 1st Lt. Thomas L. Page, Missile Intelligence;

Lt. Col. Raymond J. Astor and Maj. William Smith, both assigned to the Directorate of Research and Development; Col. Robert H. Bull, Lt. Col. John D. Vickers and 2nd Lt. David W. Oliver, all assigned to the Nike X Project Office; Col. George E. Meaders, AMSC Assistant for Logistics; and Maj. Dale Hamilton, Jr., Provost Marshal.

Former S and M Director Awarded Legion Of Merit

The Legion of Merit has been awarded to Col. Robert W. Van Wert, former Director of the Supply and Maintenance Directorate of the Army Missile Command.

Nomination for the Department of Army Award was made on the basis of his services at Redstone Arsenal. In part, the citation reads as follows:

"Col. Robert Wayne Van Wert distinguished himself by exceptionally meritorious conduct in the performance of outstanding service . . . as Director, Supply and Maintenance Directorate of the U. S. Army Missile Command. In these assignments, Col. Van Wert faced a succession of problems and events unique in their complexity and importance . . . the sound judgment and professional skill reflected in his management decisions made a vital and priceless contribution to the advancement of the U. S. Army missile programs and to the defense posture of the nation and its allies.

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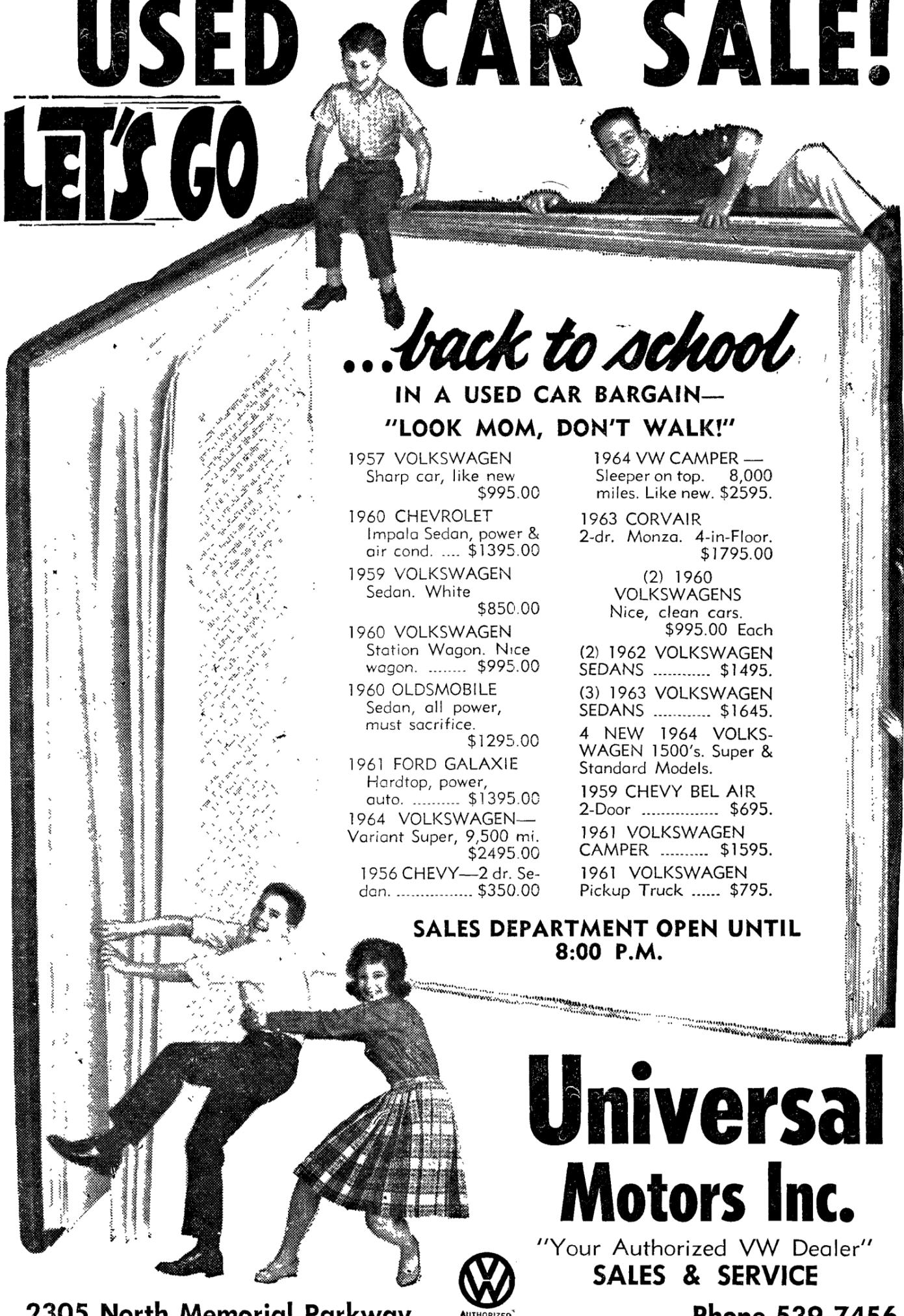


COURTESY AND SERVICE—Tommy Jones Jr., Louis Brown, Athonia Glover, Opal Gunter, and Ann Dutton have been selected by the Exchange Award Committee to receive a certificate and a \$25.00 Bond in recognition of superior courtesy to customers for the quarter beginning January 1964 and ending April 1964. In addition to the bond awards, their names will be affixed to the Customer Courtesy Honor Roll plaque on display in the exchange

main store. Tommy Jones Jr. is a service station attendant at the Post Service Station. Louis Brown works in cafeteria number twelve as a cart attendant. Athonia Glover works in the staff dining room in Bldg. 4488. Opal Gunter and Ann Dutton are both from the main PX. Opal is the Senior Sales Clerk in the Ladies Wear Department, and Ann heads the Housewares Department.

USED CAR SALE!

LET'S GO



...back to school
IN A USED CAR BARGAIN—
"LOOK MOM, DON'T WALK!"

- | | |
|--|---|
| 1957 VOLKSWAGEN
Sharp car, like new
\$995.00 | 1964 VW CAMPER —
Sleeper on top. 8,000
miles. Like new. \$2595. |
| 1960 CHEVROLET
Impala Sedan, power &
air cond. \$1395.00 | 1963 CORVAIR
2-dr. Monza. 4-in-Floor.
\$1795.00 |
| 1959 VOLKSWAGEN
Sedan. White
\$850.00 | (2) 1960
VOLKSWAGENS
Nice, clean cars.
\$995.00 Each |
| 1960 VOLKSWAGEN
Station Wagon. Nice
wagon. \$995.00 | (2) 1962 VOLKSWAGEN
SEDANS \$1495. |
| 1960 OLDSMOBILE
Sedan, all power,
must sacrifice.
\$1295.00 | (3) 1963 VOLKSWAGEN
SEDANS \$1645. |
| 1961 FORD GALAXIE
Hardtop, power,
auto. \$1395.00 | 4 NEW 1964 VOLKS-
WAGEN 1500's. Super &
Standard Models. |
| 1964 VOLKSWAGEN—
Variant Super, 9,500 mi.
\$2495.00 | 1959 CHEVY BEL AIR
2-Door \$695. |
| 1956 CHEVY—2 dr. Se-
dan. \$350.00 | 1961 VOLKSWAGEN
CAMPER \$1595. |
| | 1961 VOLKSWAGEN
Pickup Truck \$795. |

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