

Arsenal-Wide

Spot News

Dial 112

The Redstone Rocket

Published by Jack W. Hoffhaus, Hartselle, Ala., a private individual in no way connected with the Department of the Army. Opinions expressed by the publishers and writers herein are their own and are not to be considered an official expression by the Department of the Army. The appearance of advertisements in this publication does not constitute an endorsement by the Department of the Army of the products or services advertised.

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REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

NOVEMBER 25, 1964

DEFENSE ANNOUNCES BASES TO CLOSE

Nike Ajax Is Permanent Display At Smithsonian

A second missile developed at Redstone Arsenal by the Army has found its way into the Smithsonian Institution in Washington as a permanent display.

Smithsonian officials Wednesday accepted a Nike Ajax missile in a formal ceremony. The Nike Ajax was this country's first air defense missile.

The Smithsonian Ajax, one of the last to be taken off active duty, will join a Jupiter C rocket—another Redstone product—now standing at the Institution's Arts and Industries Building. Atop the Jupiter C is a replica of Explorer I, the Free World's first satellite, which the Army put into orbit in January, 1958.

From its early days the Nike development, maintenance and management program has been directed from Redstone.

Ajax missile no. 12062 which went into the Smithsonian was one of more than 14,000 Ajax missiles manufactured during the 1950s.

Fittingly enough, the missile was once employed in defense of the

Washington area where it now stands on display. Shipped from the Douglas Aircraft Co. manufacturing plant in Santa Monica, Calif., in 1956, it was installed on site in the Washington area early the following year.

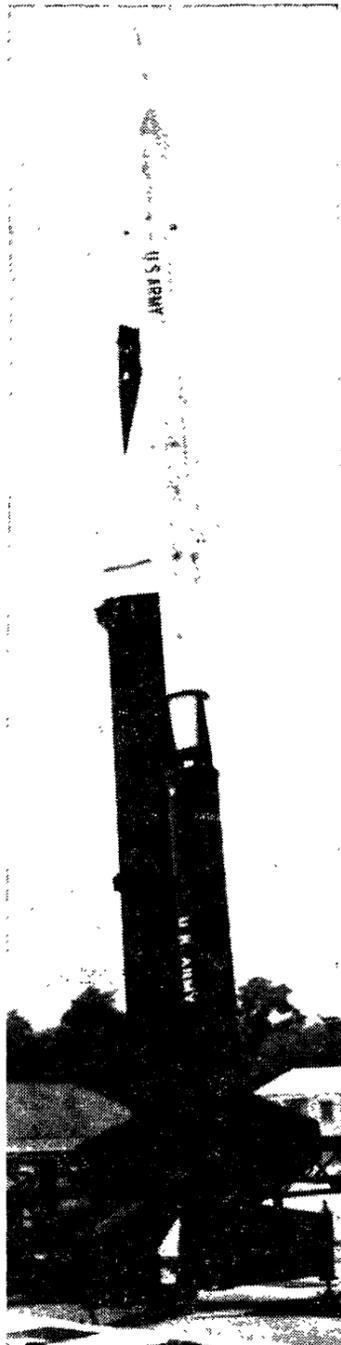
After a 1959 trip to the Eric Army Depot for rebuilding, it was returned to duty in 1960 in the Cleveland, Ohio, defense area. Following a second rebuild, missile 12062 was shipped to Ft. Monroe, Va., where it became part of the Norfolk defense network. It was retired in May of this year.

After eight years in the field, service at three Nike sites and two complete rebuilds the missile still gleamed like new when presented to the Smithsonian.

Designed to kill high altitude jet aircraft, it, ironically, is displayed beneath a 1912 Curtiss airplane, one of the very first airplanes used for military purposes.

Lt. Gen. Charles B. Duff, Commanding General of the Army Air Defense Command, presented the missile to the Installation. His Com

(See AJAX on Page 6)



THE NIKE AJAX — Army's first air defense missile now in Smithsonian.

PINYERD KEEPS MEMENTO OF PROJECT SUCCESS

The small but heavy jet vane from a Pershing ballistic missile on the desk of Carl A. Pinyerd, Jr., at the Army Missile Command is symbolic of the Army's most ambitious and successful development projects. He keeps it as a reminder of what he considers to be keys to success in rocket projects. Now that he has received the 1964 Holger N. Toftoy Award, the jet vane takes on added meaning.

Pinyerd, Deputy Pershing Project Manager, received the award in Huntsville Wednesday night from the Alabama Section of the American Institute of Aeronautics and Astronautics. This is the second year the award has been presented in recognition of outstanding leadership, management and technical judgment in aeronautics and astronautic programs. The 1963 winner is W. A. Davis, Jr., also an Army Missile Command engineer. He made the 1964 presentation to Pinyerd.

Pinyerd has been associated continuously with top man- (See PINYERD on Page 6)

Secretary of Defense Robert S. McNamara last week announced 95 actions to consolidate, reduce or discontinue Department of Defense activities in the United States and overseas. 80 of these actions affect military activities in 33 states and the District of Columbia. The remaining 15 affect overseas activities.

When completed, the actions will produce annual savings of \$477 million and reduce personnel by 63,400, without in any way reducing military effectiveness. A total of 376,720 acres of land will also be released for non-defense use.

The actions announced today resulted from comprehensive studies of major Defense installations initiated last December.

The 95 actions continue to place emphasis on condition of related activities and joint use among the Military Departments and the Defense Supply Agency. The principal actions are as follows:

A comprehensive "Study of Naval Requirements for Shipyard Capacity" has been completed and a summary is included as an attachment to this release. The study reports the unanimous recommendations of the Shipyards Policy Board, headed by the Secretary of the Navy, and composed of key military and civilian policy officials of the Department of Defense. The recommendations of the Board, which have been approved by the Secretary of Defense, call for (1) the merger of the Mare Island and San Francisco Naval Shipyards in California under a single commander during FY 1965; (2) the closure of the New York Naval Shipyard in Brooklyn; and (3) the gradual phase-out of the Portsmouth Naval Shipyard, Portsmouth, New Hampshire, prior to FY 1975. Ultimate savings to result from these three actions are \$42.8 million.

In the case of the Portsmouth Naval Shipyard, the Board recommended a 10-year phase-out period. Senators Muskie, McIntyre and Smith all questioned the decision to close the yard, but stated that if it were to be closed, the action should be gradual and extend over a 10-year period, because the yard's economic importance to the com-

Thanksgiving Worship Services Scheduled

The Post Chaplain, Lt. Col. Donald Carter, announced special Thanksgiving Services at Redstone Arsenal.

At Redstone Park tonight at 7:30 worship services will be held in the chapel.

Tomorrow morning at 9 a.m. Catholic Mass will be said in the Post Chapel.

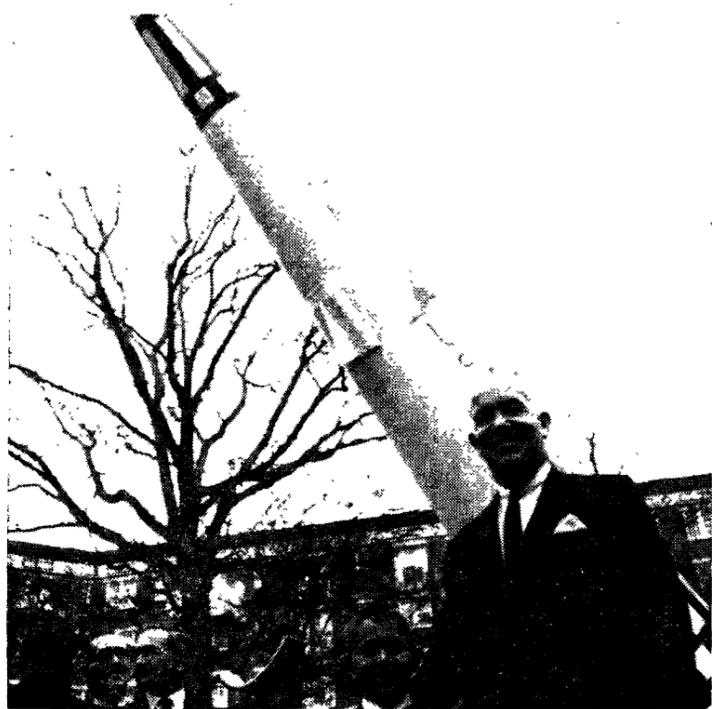
At 10 a.m. all Protestant chaplains on the staff will participate in the worship service at the Post Chapel.

David Hutchinson will play for the service which will include choir music with three choirs participating.

munity was far greater than that of any other East Coast shipyard. This will enable the community to adjust in a more orderly manner to the closing.

Second, it is planned to adjust the base structure of Strategic Air Command bombers to provide optimum strategic deployment along with maximum utilization of major permanent installations. B-52 bombers and their supporting KC-135 tankers will be relocated from Dow Air Force Base, Me., Glasgow AFB, Montana; Amarillo AFB, Texas; and Larson AFB, Wash., to other SAC bases during the next 3½ years. In addition, Schilling AFB, Kan. and Lincoln AFB, Neb. will not receive replacement missions following the phase-out of

(See BASES on Page 2)



SECRETARY SEES SPRINT — Secretary of the Army Stephen Ailes was among the thousands of people who were on hand when the Army's Sprint was revealed to the public at the meeting of the Association of the United States Army last week in Washington. The Sprint, being developed under the direction of the Nike-X Project Office at Redstone, was a highlight of the meeting. The full-scale model of the Sprint, shown behind Secretary Ailes, was provided by the Nike-X Project Office and the Demonstration Laboratory of the Missile Support Command.

Local AUSA Chapter Is Given Outstanding Award

Redstone Arsenal personnel and products received national attention at the 10th annual convention of the Association of the U.S. Army held last week in Washington, D.C.

Maj. Gen. John A. Barclay (U.S.A. Ret.), president of the Tennessee Valley Chapter of AUSA, and John E. Hatch Jr., immediate past president, headed a delegation of 20 civilian and military representatives of the Missile Command, Missile Support Command and Ord-

nance Guided Missile School who attended the three-day sessions at the Sheraton-Park Hotel.

Delegations from 88 of the association's 110 domestic and overseas chapters were represented among some 3,000 persons sitting in on the various presentations.

Visitors checking into the huge hotel were first greeted by sight of Redstone Arsenal's displays on the Sprint missile and the Lance field artillery ballistic missile. These

(See AUSA on Page 11)



CARL PINYERD—Recipient: Holger N. Toftoy Award.

The Redstone Rocket

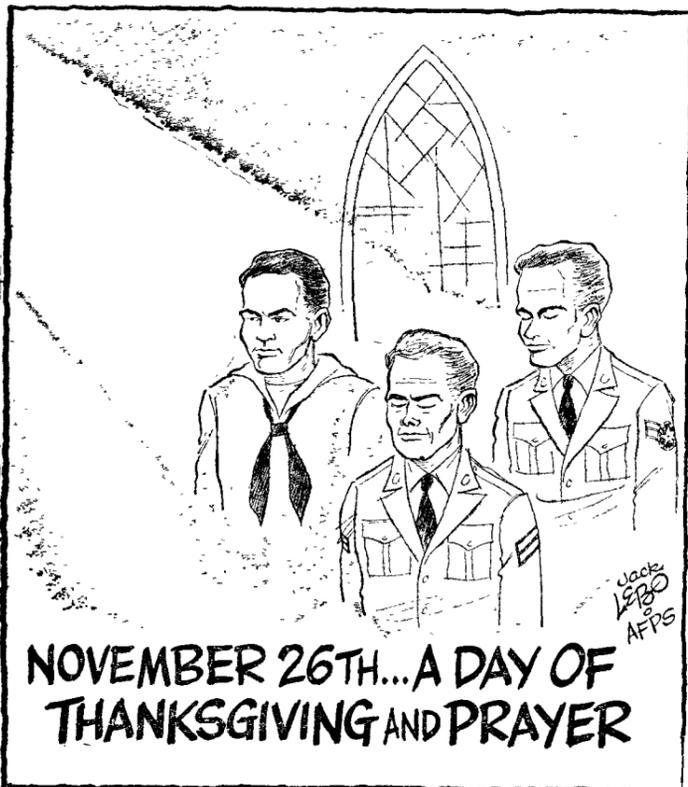
The Redstone Rocket is published weekly, on Wednesdays. The publisher will receive editorial content for publication in the Rocket only through the Information Office, Army Missile Command, Redstone Arsenal, Ala., Bldg. 5250, Room A-136, Extension 876-1400 or 876-1300.

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Rocket Ruminations

Virtue is the performance of pleasant actions.
—James Stephens



**NOVEMBER 26TH...A DAY OF
THANKSGIVING AND PRAYER**

General Zierdt's Thanksgiving Message

Tomorrow is a National Holiday and most of us at Redstone Arsenal will be celebrating Thanksgiving away from our daily jobs.

It is my sincere hope that all of us will have a pleasant day observed in the way we choose, whether it be at home with the family, at a ballgame, out hunting, or some other favorite recreation which suits our liking.

Thanksgiving is a day with religious meaning inherited from the Nation's founders who set aside a day to give thanks for a bountiful harvest. It's still a time for counting blessings, both personal and national.

Above all, I hope the Holiday weekend will be a safe one for us. Holiday activities seem to create more hazards in the home, on the road and elsewhere than exist normally. We should be more careful than usual to help avoid accidents which would mar our Holidays.

JOHN G. ZIERDT
Major General, USA
Commanding

BASES TO CLOSE

(Continued From Page 1)

B-47's and Atlas missiles. Residual missions at these 6 major bases will be relocated to other installations and all will be closed, resulting in annual savings of \$73.5 million.

Third, Atlas E, Atlas F and Titan I missile installations are being inactivated as a result of our now sizable inventory of Titan II and Minuteman missiles which have far greater capabilities and can be operated and maintained at a fraction of the cost of the earlier models. Annual savings of \$116.9 million will be realized from these inactivations.

Fourth, a study of all military ocean terminals reveals that an excess capacity to both peace and mobilization needs exists, and that consolidation will permit annual savings of \$14.1 million. In addition, at the recommendation of the Joint Chiefs of Staff, the Secretaries of the Military Departments and the Director of the Defense Supply Agency, a new "Military Traffic Management and Terminal Service" is being established to consolidate the management and operation of military traffic, land transportation and common user ocean terminals in the Continental U.S., under the Secretary of the Army as a single manager. Accordingly, it has been decided (1) to close the Brooklyn Army Terminal and consolidate its operations with those of the Navy at the Naval Supply Depot in Bayonne, New Jersey; (2) to close the Hampton Roads Army Terminal in Virginia and transfer its workload to the Naval Supply Center, Norfolk, and to commercial piers; and (3) to close the New Orleans Army Terminal and place this workload with commercial piers in the area.

Fifth, the Army has further examined its Arsenal System and identified additional excess capacity that is no longer needed. Consequently, the Springfield Armory in Massachusetts will be closed and the facility reported to the General Services Administration by April 1968. The Elwood unit of the Joliet Arsenal, Ill., will also be closed in July 1965. Annual savings of \$6.4 million will result from these two actions.

Sixth, the Air Force has a comprehensive study of its major depots and finds excess capacity in both the overhaul and repair and the supply areas. During the next 4½ years, capacity will be brought into line with requirements by closing out all logistical operations at Brookley AFB, Mobile; Olmsted AFB, Middletown, Penn.; and Norton AFB, San Bernardino, Calif. The administrative activities at Norton AFB will remain, and additional Air Force activities will be consolidated at this installation. Annual savings of \$86 million are anticipated.

Seventh, analysis of Inactive Training Bases by the Army has shown that 4 are no longer required. These are Camp Parks, Calif.; Camp San Luis Obispo, Calif.; Camp Atterbury, Ind.; and Fort Custer, Mich. The principal importance of these actions will be the release of 75,000 acres of real estate for use by either Government agencies or disposal to private parties. In addition, annual savings of \$1.5 million will result.

Eighth, the Army has reviewed its numbered continental Armies and developed a plan to consolidate the First and Second Armies, with Headquarters at Fort George Meade, Md. This will permit the closure of Fort Jay, N.Y., by July 1966, with resulting annual savings of \$14.1 million.

Ninth, the Defense Supply Agency will realign its field activities responsible for inventory control, machine tool storage and surplus property management, with annual savings of \$11.3 million.

Tenth, other major actions in the Continental U.S. will produce annual savings of \$72.4 million. Among these are: (1) closure of Hunter AFB, Ga, as the result of realigning Military Air Transport Service missions on fewer East Coast bases; (2) closure of James C. Connally AFB, Texas, by consolidating navigator training at Mather AFB, Calif., and relocating a pilot instructor training course to Randolph AFB, Texas; (3) closure of Truax Field, Wis., as a re-

sult of a realignment in Air Defense forces; (4) closure of Stead AFB, Nev., except for a communications detachment, as a result of relocating its training missions to other bases; and (5) inactivation of 16 Air Defense Command radar stations. While Air Force missions at Orlando AFB will be phased out by July 1967, they will be replaced concurrently by Navy missions.

Eleventh, the 15 overseas actions will not be announced until a later date, after the Governments of the countries concerned have been consulted. The areas concerned are in Europe and the Western Hemisphere. When completed, these actions will produce annual savings of \$37.9 million. The actions reflect base consolidations—no significant movements of military forces are involved.

In order to minimize the impact on employees and communities, the actions will be phased over a period of years. All career employees whose jobs are eliminated by any of these actions will be offered another job opportunity. If the new job requires a move to another location, the moving expenses involved will be borne by the Government. The Department of Defense program of personnel adjustment will go into immediate effect to insure employee placement in a wide variety of new jobs. Retraining programs will be established where necessary at Government expense. The services of the Department of Defense Office of Economic Adjustment will be made available to communities affected.

The installations affected by State, and the action to be taken in each instance follows:

INSTALLATION CLOSURES, REDUCTIONS, AND CONSOLIDATIONS

ALABAMA — 1. Mobile: All functions of the Mobile Air Materiel Area (Brookley AFB) will be phased out and transferred to other Air Force logistical bases by July 1969.

CALIFORNIA — 2. Livermore: The major portions of Camp Parks, an inactive Army training camp, will be declared excess and reported to the General Services Administration by April 1965. A small tract will be retained for Reserve Training.

3. Lompac: The radar site at Lompac Air Force Station will be inactivated and reported to General Services Administration by July 1967.

4. Los Angeles: The photographic mission at Lookout Mountain Air Force Station will be transferred to Norton AFB and Lookout Mountain will be reported to GSA by July 1967.

5. Madera: The radar site at Madera Air Force Station will be inactivated and reported to GSA by July 1967.

6. Marysville: The Titan I Missile Squadron at Beale AFB will be inactivated by April 1965. Other activities at Beale will continue.

7. Mill Valley (near San Francisco): The radar site at Mill Valley Air Force Station will be inactivated and reported to GSA by July 1966.

8. Monterey: Airfield support activities at the Naval Air Facility will be consolidated with the Postgraduate School, and the Naval Air Facility will be reduced to an Auxiliary Field by July 1965.

9. Oakland: The cargo movement and control functions of the Air Force Logistical Control Group at the Oakland Army Terminal will be reduced in scope by July 1965.

10. Palmdale: The storage of machine tools at the Defense Industrial Plant Equipment Facility at Palmdale will be terminated by July 1966, and this function will be assigned to the Defense Depot, Tracy, California.

11. San Bernardino: All functions of the San Bernardino Air Materiel Area at Norton AFB will be phased out and transferred to other Air Force logistical bases by July 1969. Other activities at Norton AFB will continue. Additionally, the photographic missions from Lookout Mountain Air Force Station, Calif., and Orlando, Florida, will be transferred to Norton by July 1967.

12. San Francisco: The Naval Shipyard, Mare Island and the Naval Shipyard, San Francisco will be

merged under a single commander during FY 1965. (See attached "Study of Naval Requirements for Shipyard Capacity.")

13. San Luis Obispo: The major portion of Camp San Luis Obispo, an inactive Army training base, will be reported to GSA by April 1965. A small tract will be retained for Reserve Training.

14. Sausalito: There are 577 acres of land no longer required for military operations at Forts Barry, Baker and Chronkhitte. 257 acres will be transferred to Coast Guard and the remaining 320 acres will be reported to GSA by April 1965.

COLORADO — 15. Denver: The two TITAN I Squadrons at Lowry AFB will be inactivated by July 1965. By July 1966, flying activities at Lowry AFB will cease, and the airfield portion of Lowry will be closed. Flight activities now at Lowry will thereafter be carried out at Buckley Air National Guard Base, and at Peterson Field, Colorado. Non-flying activities at Lowry will continue. Additionally, a portion of the technical training at Amarillo AFB, Texas, will be transferred to Lowry by July 1968.

16. Leadville: The inactive Army facility at Camp Hale will be reported to GSA by July 1965.

DISTRICT OF COLUMBIA—17. Washington: Certain Inventory Control of Navy Bureaus will be consolidated with similar functions at locations outside the District of Columbia.

FLORIDA — 18. Orlando: Air Force activities at Orlando AFB will be relocated or phased out by July 1967. They will be replaced concurrently by Navy missions.

GEORGIA — 19. Macon: The Naval Ordnance Plant will be made available for sale to private industry for continued support of Navy requirements while expanding and diversifying its operation.

20. Savannah: MATS activities at Hunter AFB will be consolidated with other MATS units at Charleston AFB, South Carolina; Dover AFB, Delaware; McGuire AFB, New Jersey; and Ramey AFB, Puerto Rico. Hunter will be closed and reported to GSA by July 1967, except for a small portion supporting a radar squadron.

IDAHO — 21. Cottonwood: The radar site at Cottonwood Air Force Station will be inactivated and reported to GSA by July 1965.

22. Mt. Home: The TITAN I Missile sites at Mt. Home AFB will be inactivated by July 1965. Mt. Home will continue to be used by the Air Force.

ILLINOIS — 23. Chicago: Relocate the DSA Subsistence Supply Headquarters from Chicago to Philadelphia and consolidate its functions with other DSA supply functions in Philadelphia by July 1965. Regional buying activity remains in Chicago.

24. Great Lakes: Disestablish the Naval Supply Depot, Great Lakes, by July 1966.

25. Joliet: The Elwood unit of the Joliet Arsenal will be closed by July 1965 and retained in stand-by status. (Four other ammunition loading plants remain in active status.)

INDIANA — 26. Edinburg: The inactive Army training installation at Camp Atterbury will be reported to GSA for disposal by July 1965. A small tract will be retained for Reserve Training.

27. Rockville: The radar site at Rockville Air Force Station will be inactivated and reported to GSA by July 1966.

28. Terre Haute: The storage of machine tools at the Defense Industrial Plant Equipment Facility at Terre Haute will be terminated by July 1966, and this function will be consolidated at the DSA Center in Columbus, Ohio.

KANSAS — 29. Salina: The B-47 aircraft at Schilling AFB are scheduled for phase-out by April 1965. By July 1965 the refueling aircraft

(Continued on Page 3)

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at Schilling will be transferred to Walker AFB, New Mexico; and Bunker Hill AFB, Indiana. By July 1965, the ATLAS F Squadron at Schilling will be inactivated, and the base will be closed and reported to GSA.

30. Topeka: The ATLAS E Squadron at Forbes AFB will be inactivated by April 1965. Forbes will continue to be used by the Air Force.

LOUISIANA — 31. New Orleans: The New Orleans Army Terminal will be closed by July 1965, and shipping operations performed commercially thereafter. The administrative facilities will be retained for other defense purposes.

32. New Orleans: The Air Force Logistical Control Group at the New Orleans Army Terminal will be disestablished and its procurement functions transferred to the Defense Supply Agency by July 1965.

MAINE — 33. Bangor: The Strategic Air Command mission at Dow AFB will be consolidated at Barksdale AFB, Louisiana by July 1968. The Air Defense Command Fighter Interceptor Squadron will relocate to Otis AFB, Massachusetts by July 1968. Air National Guard use of Dow will continue.

34. Brunswick: The radar site at Brunswick Air Force Station will be inactivated and reported to GSA by July 1965.

MASSACHUSETTS — 35. Springfield: All production activities at Springfield Armory will be phased out by April 1968 and the facility will be closed and reported to GSA. The Springfield R&D mission will be reassigned to the Rock Island Arsenal, Illinois.

MICHIGAN — 36. Augusta: The off-base radar site at Custer Air Force Station will be inactivated and reported to GSA by July 1965.

37. Battle Creek: The major portions of Fort Custer, an inactive Army training installation, will be reported to GSA by July 1965. A small tract will be retained for Reserve Training.

MONTANA — 38. Cut Bank: The radar site at Cut Bank Air Force Station will be inactivated and reported to GSA by July 1965.

39. Glasgow: The missions at Glasgow AFB will be consolidated at March AFB, California; Ellsworth AFB, South Dakota; and Plattsburgh AFB, New York; by July 1968 — and Glasgow AFB will be reported to GSA.

40. Miles City: The radar site at Miles City Air Force Station will be inactivated and reported to GSA by July 1967.

NEBRASKA — 41. Lincoln: By July 1965 the ATLAS F Squadron will be inactivated at Lincoln AFB. By July 1966, the B-47 mission will be phased out, and operation of the runway will be transferred to the City of Lincoln at that time. The Air National Guard mission will remain.

NEVADA — 42. Fallon: Navy Aerial Gunnery will be consolidated at other available ranges and the Sahvave Gunnery Range will be closed by January 1966.

43. Reno: All activities at Stead AFB, except a communications detachment, will be terminated by July 1966 and the unused portion reported to GSA.

44. Winnemucca: The radar site at Winnemucca Air Force Station will be inactivated and reported to GSA by July 1967.

NEW HAMPSHIRE — 45. Manchester: Air National Guard activities at Grenier Field will be relocated to Pease AFB, New Hampshire by July 1966, and the Field will revert to civil control. The Air Force Instrumentation Squadron will remain at Grenier.

46. Portsmouth: The Portsmouth Naval Shipyard will be gradually phased out prior to FY 1975. (See attached "Study of Naval Requirements for Shipyard Capacity".)

NEW JERSEY 47. Newark: The Air National Guard Group will be relocated from Newark to McGuire AFB, New Jersey, by July 1965, and military activities terminated at Newark Airport.

48. Highlands: The radar site at Highlands Air Force Station will be inactivated and reported to GSA by July 1966.

NEW MEXICO 49. Roswell: The ATLAS F Squadron at Walker AFB will be inactivated by April 1965. Other activities at Walker continue. Additionally, ten SAC jet air refueling aircraft from Schilling AFB will be transferred to Walker by July 1965.

NEW YORK 50. Brooklyn: The Air Force Logistical Control Group at Brooklyn Army Terminal will be disestablished and its procurement functions assumed by the Defense Supply Agency.

51. Brooklyn: Relocate ocean terminal operations from Brooklyn Army Terminal to the Naval Supply Depot at Bayonne, New Jersey; close Brooklyn Army Terminal by January 1967 and report the property to GSA.

52. Brooklyn: Close New York Naval Shipyard except for the Applied Science Laboratory. (See attached "Study of Naval Requirements for Shipyard Capacity".)

53. Brooklyn: Relocate the DSA Medical Supply Center from Brooklyn to Philadelphia and consolidate its functions with other DSA supply activities in Philadelphia, Pennsylvania, by July 1965.

54. New York: First and Second Army Headquarters will be consolidated at Fort Meade, Maryland. Fort Jay then be closed and reported to GSA by July 1966.

55. Plattsburg: The ATLAS F Missile Squadron at Plattsburg AFB will be inactivated by July 1965. Plattsburg will continue to be used by the Air Force. Additionally, five SAC refueling aircraft from Glasgow AFB and a B-52 Squadron from Loring AFB will be assigned to Plattsburg.

56. Port Washington: Navy Training Devices Center, previously announced for relocation to the GSA Federal Center, Mitchell Field, New York, will instead be relocated to Orlando AFB, Florida by July 1967.

NORTH DAKOTA — 57. Dickinson: The radar site at Dickinson Air Force Station will be inactivated and reported to GSA by July 1965.

OHIO — 58. Columbus: Relocate DSA Subsistence Supply Center inventory control functions from the Columbus Depot to Philadelphia and consolidate these functions with other DSA supply

activities in Philadelphia by July 1965.

59. Warren: Tool storage at Lordstown Military Reservation will be removed to other installations, and Lordstown will be closed by July 1966. The facility will be reported to GSA except for portions retained to support Reserve and maintenance activities.

OKLAHOMA — 60. Altus: The ATLAS F Squadron at Altus AFB will be inactivated by April 1965. Other activities at Altus will continue.

61. Muskogee: The Air Reserve Squadron at Davis Field will be inactivated by July 1967 and Air Force flight activities terminated.

OREGON — 62. Baker: The Radar site at Baker AFS will be inactivated and reported to GSA by July 1967.

PENNSYLVANIA — 63. Middletown: All functions of the Middletown Air Materiel Area (Olmsted AFB) will be phased out and transferred to other Air Force logistical bases by July 1969.

SOUTH DAKOTA — 64. Rapid City: The TITAN I Squadron at Ellsworth AFB will be inactivated by April 1965. Other activities at Ellsworth will continue. Additionally, five SAC refueling aircraft and a fighter interceptor squadron from Glasgow AFB will be assigned to Ellsworth by July 1968.

TEXAS — 65. Abilene: The ATLAS F Squadron at Dyess AFB will be inactivated by April 1965. Other activities at Dyess will continue.

66. Amarillo: By June 1966, all SAC aircraft will be relocated from Amarillo AFB to Pease AFB, New Hampshire. By July 1968, all Air Force technical training activities will be relocated to other major permanent installations, and Amarillo AFB will be reported to GSA.

67. Fort Worth: Relocate Army Aircraft Overhaul and Repair operations from Eagle Mountain Station and consolidate at the Army aircraft overhaul facility at Corpus Christi, Texas, by October 1965.

68. Waco: Navigator training at James Connally AFB will be consolidated with similar training at Mather AFB, California and pilot instructor training will be consolidated at Randolph AFB, Texas. James Connally AFB will be reported to GSA by July 1966.

UTAH — 69. Clearfield: The Naval Oceanographic Office will be relocated from the GSA Supply Depot at Clearfield to the Defense Depot, Ogden, by October 1967.

70. Salt Lake City: Except for Reserve and National Guard activities, all defense missions will be relocated from Fort Douglas to other Defense installations, mainly in the area, by July 1967. The major portion of this base will then be reported to GSA.

VIRGINIA — 71. Alexandria: Consolidate the DSA Fuel Supply Center's inventory control functions with other DSA supply functions at Richmond, Virginia, by April 1965.

72. Manassas: The radar site at Manassas Air Force Station will be inactivated and reported to GSA by July 1965.

73. Norfolk: Shipping operations at Hampton Roads Army Terminal will be relocated to Norfolk Naval

Supply Center and local commercial facilities. The Army Terminal will be returned to the Maritime Commission by July 1965.

WASHINGTON 74. Moses Lake: The TITAN I Squadron at Larson AFB will be inactivated by April 1965. By July 1966, SAC aircraft will be relocated from Larson AFB to March AFB, California and Larson will be reported to GSA.

75. Nasselle: The radar site at Nasselle Air Force Station will be inactivated and reported to GSA by July 1966.

76. Spokane: The ATLAS E Squadron at Fairchild AFB will be inactivated by July 1965. Other activities at Fairchild will continue.

77. Tacoma: Contract operations at the Tacoma POL Storage Annex will be terminated by January 1965, and the facility reported to GSA.

WEST VIRGINIA — 78. Guthrie: The radar site at Guthrie Air Force Station will be inactivated and reported to GSA by July 1967.

WYOMING — 79. Cheyenne: The ATLAS E Missile Squadron at

Sept. 26, 1945—The first missile was tested at White Sands Missile Range (then known as "Proving Ground"), an installation now under U. S. Army Test and Evaluation Command, one of AMC's seven sub-commands. It was a wartime "Tiny Tim" modified to simulate the WAC Corporal, a sounding rocket being developed to probe the upper atmosphere.

Francis E. Warren AFB will be inactivated by April 1965. Other activities at Warren will continue.

WISCONSIN — 80. Madison: Air defense activities will be phased out at Truax AFB by July 1963. Air National Guard Squadron remains.

OTHER — Various locations: Realignments with minor base and personnel implications: Surplus property holding activities will be eliminated at 56 separate locations and consolidated at nearby installations. Also, 3 small helium redistribution facilities will be discontinued and this service procured from commercial sources.

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AUCTION

Saturday, November 28 at 10:05 1/2 A.M.
69 1/2 ACRE FARM

Six room house with grade A dairy barn, with household furnishings and farming equipment belonging to Mrs. Ada Phillips, located 10 miles southwest of Pulaski, Tennessee, and one and a half miles north of Minor Hill, Tennessee just north of Cottrell's Store on Highway 11. The farm consisting of 69 1/2 acres, a nice six room home, a nearly new dairy barn, large feed barn, one of the finest cave springs you will find on any farm in Giles County. Has little Shoal Creek running through the entire farm, has two other springs and is blessed with everlasting water, and has new pump in spring and water in house. This farm has 40 acres in bottom land, 10 acres level ridgeland, approximately 10 acres in hardwood timber and the balance in hill land. It is one of the finest farms you will find on Highway 11. There is not but very little waste land and is well watered and has some of the richest strongest land that you will find on any farm. This land has been well taken care of, well fenced and is just an ideal place to live. With a little money spent on this home it would be one of the finest country homes that money could buy.

TRACT NO. 1

Consisting of 28 1/2 acres, the grade A dairy barn, 6 room house and feed barn, large spring, has approximately 20 acres in bottom land, the balance in hill land with some ridge land. This is one of the finest small farms that you will find with large highway frontage on blacktop road ideally located, close to churches, schools and one of the fine communities of Giles County. Be sure and look this tract over and be there for the sale on November 28th.

TRACT NO. 2

Consisting of 20 acres, more or less, across Highway No. 11 in front of Tract No. 1, is all level and creek bottom land, having several wonderful home sites, has little Shoal Creek through the entire farm with large highway frontage on Highway 11. This is a honey of a small tract.

TRACT NO. 3

Joins tract no. 1, consisting of 21 acres, a 4 room house, large spring, approximately 10 acres of level ridge land and the balance has approximately 4 acres of bottom land, the balance being hill land. Buy 1, 2, 3 of these tracts, each one is well located just off of the blacktop road. This entire 69 1/2 acre farm is one of the finest and well balanced farms you will find up and down Highway 11. It will grow any kind of row crops. It is all in pasture now, has none in the soil bank and all of it for immediate use. It is blessed with an abundance of water and is well fenced with approximately 10 acres of hardwood timber. If you are interested in a small farm building sites or home sites or level creek bottom land be sure and attend the sale on November 28th. Buy one or all of these tracts and have a wonderful farm.

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| 1 Stone jar (12 gallons) | 1 Cotton Basket |
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| 1 Dormeyer Electric Mixer | All kinds of garden tools |
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| Pictures and stone churn | 1 Double Unit milking machine |
| 1 Vanity Dresser with plate glass mirror and stool | 1-6 Can cooler |
| 1 Bedstead and springs | 1-10 ft. wash vat |
| Dresser | 30 gal. glass water heater |
| 1 Night Stand | 8 Can Rack |
| 1 Bed Stead and springs | 3 Milk Cans |
| 1 Spool Bedstead | 1 Strainer, Buckets, Milk Stools |
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This farm will be sold in three tracts, then as a whole, the highest price determining sale.
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REDEYE SESSION—Army and Marine Corps gunners are shown during a familiarization course, qualifying to fire the Army's Redeye guided missile. These are simulators and do not fire actual missiles. Redeye is a joint development of the Army and Marine

Corps and both will issue the weapon to combat units when it becomes operational. The Army Missile Command manages the Redeye program under Col. A. W. Reed, Project Manager.

Soldier Can Fire Redeye With Minimum Training

No squat or stoop—that is, no stopping to set up—is required to shoot the world's smallest guided missile.

This much Army and Marine Corps gunners found out as they qualified to fire the Army's man-portable Redeye Missile, designed for frontline defense against low flying enemy aircraft.

The first class of Army and Marine Corps enlisted men recently completed a three-week familiarization program on the Redeye at Ft. Bliss, Tex. The men are being trained for engineering-service tests to be conducted later on the Fort Bliss Range.

Since Redeye is a joint development of the two services, both will participate in the testing program and both will issue Redeye to combat units as the system becomes operational.

The Army Missile Command at Redstone Arsenal, Ala., manages the Redeye system for both the Army and Marine Corps. Col. A. W. Reed is Project Manager.

The Air Defense Board—an element of the Army's Test and Evaluation Command, Army Materiel Command—supported by General Dynamics of Pomona, Calif., prime contractor for the Redeye is conducting the training course.

The program is designed to train men in handling and operating the Redeye to a degree of proficiency necessary for rapid and effective engagement of enemy aircraft in combat. This means knowing mechanics and capabilities of the weapon system as well as instruction in aircraft identification.

In addition, Redeye gunners must be adept at selecting suitable firing sites with regard to terrain, background and camouflage.

Part of the instruction included lectures and training films on range safety, emergency firefighting and missile recovery, given by experts in each particular field.

In practical training, troops developed a "feel" of the missile launcher from handling and operating it. No actual missiles were used in the training. Instead, the men sighted, tracked and fired a simulated weapon — electronic trainer — and a lead-launch simulator equipped with camera and automatic tracker.

Cameras recorded the action of each individual showing any errors, weak or strong points.

Although Army officials make no claims on the REDEYE being a wonder-weapon, even a novice recognizes it as one of the most unique in America's missile arsenal. Not only is it the smallest

known guided missile—4 feet long and 2.75 inches in diameter —

but it is the only system that can be slung over the shoulder and carried any place a man can carry a rifle. The Army and Marine Corps have other operational air defense guided missile systems that are mobile and can move on the battlefield, but those systems must squat to shoot that is, they must stop and set up—and can-

not get to areas accessible to the foot soldier.

Compared to other guided missiles, the REDEYE is the epitome of simplicity and requires very little of the soldier in combat. However, that soldier must do the work in his head that is done by com-

puters for other systems. REDEYE's missile and launcher constitute the complete system. The gunner has only to aim it, flip two switches, and press the trigger to fire it. Its fiberglass launcher, which also serves as the missile's carrying case, is expendable and can be discarded as soon as the missile is fired.

REDEYE's guidance system is completely self-contained. A heat-seeker in the missile's nose detects infrared energy generated by the hot exhaust of the target-aircraft's engine. This enables the missile to lock-on to the target and home-in for the kill.

A general concept for utilization of REDEYE in combat is to assign two-man teams to company-sized units within a forward battle area. The overlapping field of fire from adjoining firing teams will increase the kill-capability over the "one missile against one aircraft" concept.

The Army initiated the REDEYE program with General Dynamics Pomona in 1959. Production rounds are under tests at China Lake, California. In preliminary firings, the two-stage solid fueled REDEYE has successfully intercepted a variety of drone aircraft.

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SEAL OF HEALTH—Christmas Seals are entering the mail as Madison County Tuberculosis Association gets underway in its 1964 Sales Program. Performing a little direct selling of seal sheets to Col. Thomas W. Cooke is A. A. (Tony) Demetriou, Christmas Seal Campaign Chairman. Col. Cooke, Commander of Army Missile Support Command, speaking for the Army complex complimented the Association's efforts to control Tuberculosis. Funds received as a result of Christmas Seals mailed to individuals are used to combat Tuberculosis in local areas.

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Nov. 21, 1963 — U. S. Army Cold Regions Research and Engineering Laboratory, one of the unique Research and Development installations of the Army Materiel Command, was dedicated at Hanover, New Hampshire.



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**Explosives Men
Recover Souvenir
Left In Motel**

Two members of the 13th Explosive Ordnance Detachment at the U.S. Army Ordnance Guided Missile School recently recovered a "souvenir" from a Huntsville motel room at the request of the manager.

The souvenir turned out to be a projectile that apparently had been picked up from the firing range of an armed forces installation—possibly from Redstone Arsenal.

Lt. Vincent F. Villani, commander of the 13th EOD, and Specialist Clay D. Ellison were called in by the military police after the motel manager had notified the MP desk sergeant that some sort of projectile had been left in the room by the last occupant.

Lt. Villani and Ellison immediately investigated. They found an inert 2.75 practice rocket head. Lt. Villani pointed out that although this was a practice shell and normally would be harmless, such items could contain an explosive charge or a spotting charge that could have gone off and injured the person who tampered with it.

The commander of the 13th, which is a unit specially trained to handle or disarm explosive items, said that this should be a warning to anyone entering military installations and that those persons should not pick up, kick, or tamper in any way with any item that appears to be an explosive of some kind. He said that such items should be reported to either the 13th EOD or the military police.

On Redstone Arsenal, he said, there are still many practice shells and potentially explosive items lying around that were left over from practice firings or war games. He said that hunters and others at Redstone should be especially careful and should immediately report questionable items.

MacGowan Writes Paper

Roger A. MacGowan of the Army Missile Command Computation Center has an article in the October issue of Data Processing magazine.

Called "Modular Programming," it emphasizes the advantages of preparing independent computer program modules, based on relatively independent major functions to solve complex problems. When program modules or sub-routines are made up of general mathematical methods, the long range savings in money and development time may be appreciable.

MacGowan published three other computer articles this year.

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Maintenance Essential To Combat Readiness

Deploying U. S. missiles at the enemy would have about as much affect as "the ancients throwing rocks at each other" if it were not for the maintenance men presently keeping the weapons in constant combat readiness.

This was the message delivered Friday by Lt. Col. Joe G. Waterman, Army Air Defense Liaison officer at Redstone Arsenal, who spoke to a graduating class of 91 U. S. and foreign missile maintenance students at the Ordnance Guided Missile School.

Col. Waterman, assigned to the Army Missile Command, traced the history of the great wars to show that although the new weapons of the era were credited with victory,

it took the "unsung heroes of maintenance crews to keep the weapons in shape. Whether it was a craftsman who repaired bows and arrows or artillery maintenance men, it was these unsung workers who deserve a good portion of the glory," he said.

The speaker told the group that they are responsible to assure that modern day missiles are not reduced to expensive "rocks" by failing to explode on contact. "A loose bolt or a faulty wire could render the missile harmless no matter who fires it," he said.

The formal graduation exercise was highlighted by the presentation of the Association of the U. S. Army Plaque to SFC Harrell C. Parker of Hot Springs, Ark. He was high man in his Ballistic Missile Inertial Guidance and Control Repair course, having maintained a grade point level average of 96.1 per cent. The plaque was presented to Parker by Lt. Col. Robert A. Robinson Jr., executive officer at the Missile School.

Seven of the 91 graduates received honor student diplomas at the ceremony.

Honor graduates included Sp/6 Dale R. Laufer of Piedmont, Kan., SFC Roland S. Cole of Cox's Mills, W. Va., SFC Jack M. Reece of Shady Valley, Tenn., Beverly L. Ross of Vanceboro, N. C., M/Sgt. Andre E. Dohet of Robertville, Belgium, CWO Wilbus S. Pence of Louisville, Ky., and Pvt. Gerald Rupprecht of Pontiac, Mich.

PINYERD

(Continued From Page 1)

agement of the Pershing since its birth in 1958, acquiring progressively greater responsibility until his present position of Deputy Manager.

The Toftoy Award winner said he accepted the award in the spirit that Pershing is a team effort. "There is no Mr. Pershing," he added.

Pinyerd is a native of suburban Chicago, attended high school in Harvey, Ill., and in 1951 received a bachelor's degree in industrial management from Auburn University. He also attended the University of Alabama and the University of Illinois.

In 1953, Pinyerd came to Redstone Arsenal as an industrial engineer and joined the old Army Ballistic Missile Agency in 1956 as Special Assistant to the Technical Director.

He is married to the former Warean May of Sawyerville, Ala. They have four children, Carl III, 15; Mark, 9; John, 7; and Emily Jane, 16 months.

The award honors Maj. Gen. H. N. Toftoy, former Commanding General of Redstone Arsenal, for his work in the early days of rocket and guided missile development by the Army. Pinyerd knew the General when he was at Redstone, and said he would cherish the award more because of the acquaintance.

The Alabama Section of AIAA presented two other awards at the Wednesday night banquet at the American Aquatic Club in Huntsville. Max W. Stone of the AS-TRAN Division of Space Craft, Inc., received the Martin Shilling Award for outstanding service to the Alabama Section. The Herman Oberth Award for outstanding contributions to astronautics was presented posthumously to Hugh M. Taylor, Jr. He was with NASA's Marshall Space Flight Center when killed July 9, 1964 in an air crash near Newport, Tenn.

AJAX

(Continued From Page 1)

mand is responsible for providing air defense for the nation. This defense includes the Nike Hercules, the bigger and longer range successor of the Ajax.

Commenting on the circumstances which brought about development of the Ajax by the Army, Gen. Duff said, "Toward the end of the conflict in Europe (WW II), high performance bombers were stretching the capabilities of ground-based anti-aircraft guns to their limit." He subsequently said "Future threats to our security will be even greater than those this generation has experienced . . .

let us hope and pray, however, that this Nike Ajax missile, which the Army is presenting to the Smithsonian Institution today, will remain as a reminder that a fearsome challenge can be met successfully when squarely faced."

The missile was accepted by James C. Bradley, Assistant Secretary of the Institution.

Beside the Ajax and Redstone, other modern missiles on display at the Smithsonian include an Air Force Atlas, and the Navy's Polaris and Vanguard.

Ajax was the first guided missile to successfully down an airplane. The Ajax missile was operational for a full ten years from May, 1954, until May of this year.

Now replaced by Nike Hercules



DEMONSTRATION—As a part of American Education Week activities the Army Missile Support Command's Civilian Personnel Office presented a demonstration of Reading Improvement Training for faculty members of the Lakeside High School of Decatur, Ala. Pictured at left is Larry Williams, Training and Development Division of Civilian Personnel Office; demonstrating the reading accelerator. Looking on (left to right) are Miss Olivia Moore and Lorenzo Jackson of the Lakeside High School faculty, and Dr. Matthew H. Hall, Decatur Assistant Superintendent of Education.

missiles on air defense sites, the Ajax can lay claim as a forerunner of the anti-ICBM and IRBM Nikes.

The Nike-X missile defense system, now in advanced development by the Nike-X Project Office at Redstone, makes use of the command guidance principle de-

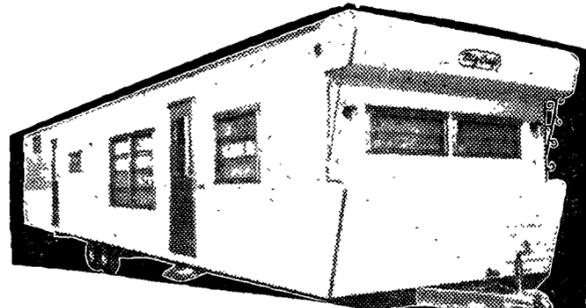
veloped for Nike Ajax. However, the principle is about the only thing the systems have in common.

Development of the Ajax was begun in 1944. On Nov. 27, 1951, in a test at White Sands Missile Range, N.M., a slender Ajax guided by ground-based radars and

computers intercepted a drone World War II B-27. It was the first missile intercept of an airplane.

The coming of the Ajax spelled doom for the Army's anti-aircraft artillery which at one time had numbered more than 1000 big guns.

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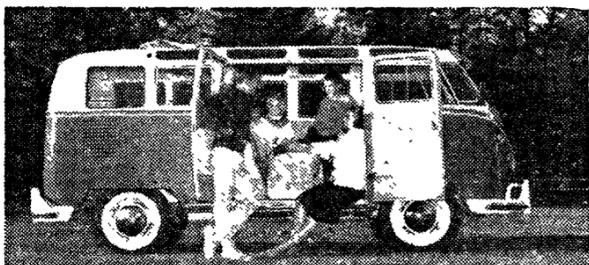
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Killer Whale Guns Used To Recover Data

Somewhere in the waters off Alaska the past summer, the halibut schooner "Harmony" of the U.S. Fish and Wildlife Service sought to bring disharmony to the killer-whale population. On its deck to do the job was mounted a 600-pound harpoon gun, which, in the name of research, also has made a contribution distinctly its own to The Boeing Company in Seattle.

Events which ultimately would have engineers poring over test results gathered with a scaled-down cannon began with a requirement in the HiBEX program being conducted by the company's Aero-Space Division. Boeing in January received a \$15½ million contract with the Army Missile Command to develop a high acceleration booster for the Advanced Research Projects Agency of the Department of Defense.

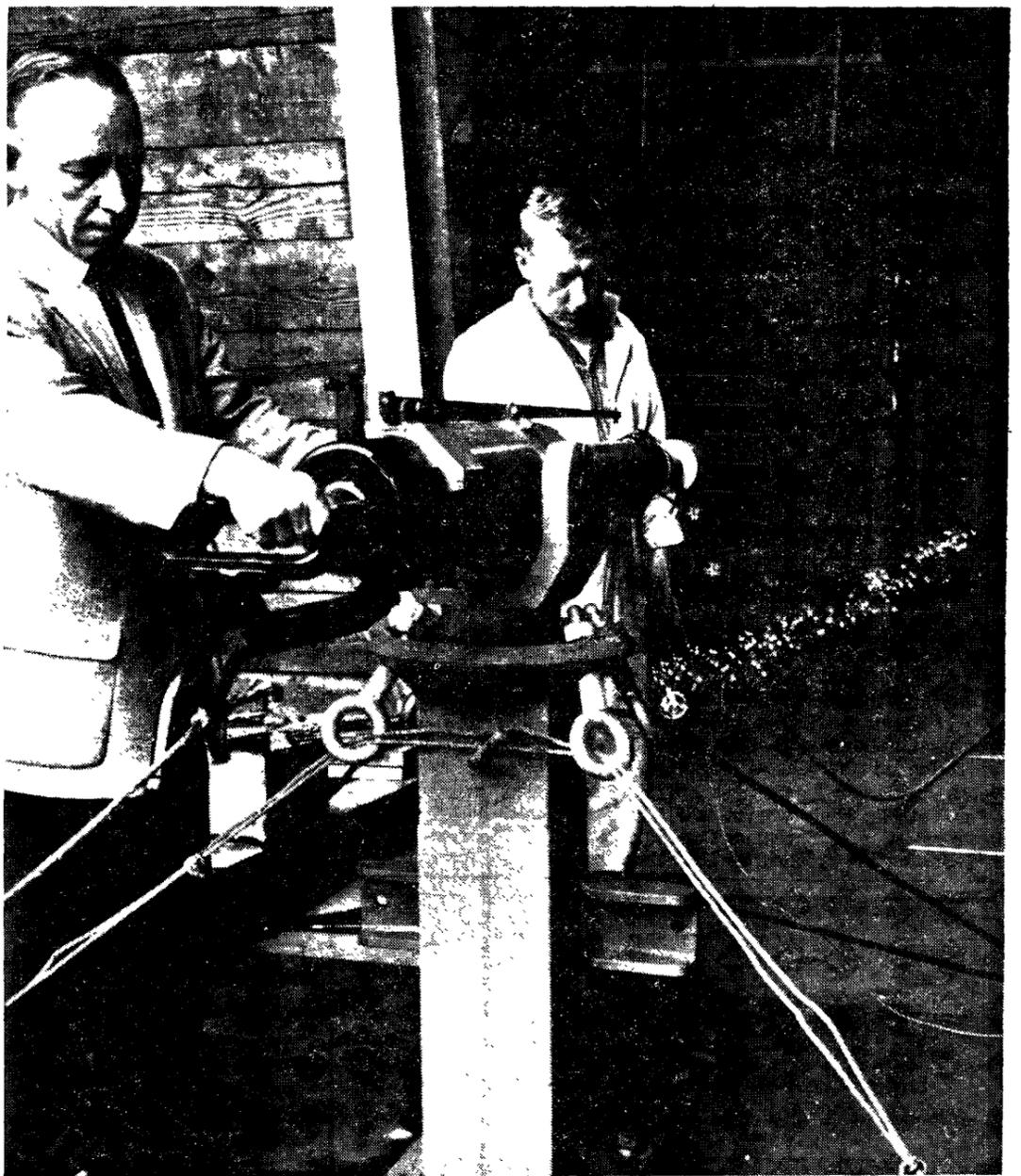
One requirement is for a data-reporting system to be used only during the first few moments of flight. This system replaces regular telemetry on some flights, reporting its information via an external cable attached to the vehicle and a ground point.

Engineers of the data systems design organization needed to know not only the best kind of cable to use and how to attach it to a fast-moving carrier, but also how the cable would react to abrupt, terrific acceleration.

"We realized quite early we would need some sort of a gun," said Ken Prestrud, project engineer. "We asked around and were told that the Fish and Wildlife Service might be of help. It turned out that they had an almost new Norwegian harpoon gun which they were willing to lend to us, and we knew right away that part of our problem was solved."

The gun proved to be a 50-millimeter rig that Bureau of Fisheries scientists had used on killer-whale hunts off California, Washington and Alaska. To prepare for the tests, Boeing machinists fashioned a blunt-nosed harpoon-like projectile to which the cable for testing would be attached.

Finding a place to fire the gun and obtaining the people who were qualified to do so were the easiest parts of the preparations. The Aero-Space Division has an operational site for hazardous testing at



BOEING COMPANY engineers inspect 50-millimeter harpoon gun prior to start of cable-acceleration tests. In background is target, with strobe lights for high-speed motion pictures lining the route.

Tulalip, Washington, and is constructing similar facilities for more extensive testing near Boardman, Oregon. It was not necessary to use either location. An ASD ordnance laboratory at Boeing Field in Seattle offered an ideal site—a massive revetment formerly used to test the 50 caliber and 20 mm guns carried by the B-52 Stratofortress.

Four shots were fired during the cable-test series, one to check out the operation of the gun and three to find out what the engineers wanted to know. High-speed movies were made of each instrumented shot. As the projectile flashed from the gun towing the cable, it was not unlike a new version of "crack the whip."

Although the projectile had a large, blunt nose, it still penetrated a stack of sandbags and buried itself 1½ feet deep into the revetment's timbered wall. Gordon Rowe, ordnance lab supervisor, said, however, that even if the projectile had made it through the timbers, it still would have faced four feet of sand and an additional six feet of concrete.

Boeing had the harpoon gun for three weeks and returned it to the Fish and Wildlife Service in time for its killer-whale expedition into Alaskan waters. By now the whales probably wish that Boeing had kept the gun.

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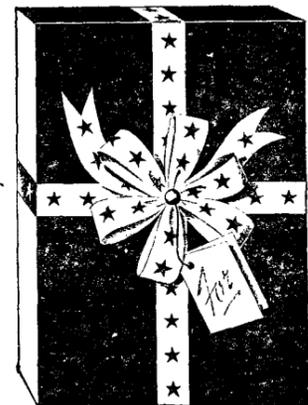
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SOCIAL ^{and} CLUB EVENTS

Mrs. Cobban, Col. Clark Win At Bridge

Mrs. A. Cobban and Col. Sam J. Clark were winners at Monday night bridge last week at the Squirrel Hill Officers Club.

Second were Mrs. J. Sieber for the women and Lt. A. Shimoyama for the men.

Nine tables were in play during the evening. Reservations are handled by Mrs. R. U. Scott, 772-3273.

Social Scheduled

Redstone Arsenal Catholic Women's Sodality will meet after Mass at 9 a.m. Dec. 4.

Following the Mass, the Sodality will greet the Ladies of the Protestant Fellowship at 10 a.m. for coffee in the Chapel social rooms.

The Catholic choir women will sing a selection of Christmas Carols following the greeting by Mrs.

TOOL ENGINEERS TO MEET HERE

The American Society of Tool and Manufacturing Engineers will meet Dec. 1 at the Squirrel Hill Officers Club.

A social hour will start at 6 p.m. dinner at 6:30 p.m. and the technical session at 8:00 p.m.

Arthur E. Moxley, staff engineer in the Manufacturing Engineering Division for IBM, will speak on "Special Electronics Test Equipment and Its Relationship to Mechanical Tooling."

Moxley received his bachelor of science degree in electrical engineering from the University of Connecticut in 1950. He went to IBM in 1955 as test equipment project engineer.

Guests and prospective members are invited.

E. F. Otto, Sodality president.

Co-chairmen of the event are Mrs. D. E. Burnett and Mrs. R. M. Field. Sodality members are asked to phone guest reservations to Mrs. D. C. Smith at 877-4560. The Rocket nursery will be free for those attending the coffee.

Welcome Mat

The ROCKET extends a welcome to the following named civilian personnel who have recently begun employment with Army organizations at Redstone.

ARMY MISSILE COMMAND
Supply & Maintenance: Joe B. Collier, Howard W. Cooper, Gail V. Decker, Mary S. Greene, Rachel H. Hougom, Walter W. Matthews, William W. Milton, Charles D. Nelson, John J. Schmersey, Douglas L. Segars, William W. Seward, Jr., Russell W. Toop and Albert J. Williams.

Research & Development: James R. Burt, Jr., Aaron Ellis, and Paul Wanko.

Procurement & Production: Helen O. Hoogewind, Linda J. Page, Patricia A. Slaton and James A. Thompson.

Others: Howard Crocker, Inst & Svs; Judith P. Gepford, and Sherry D. McElroy, Hercules Project Office; George A. Henderson, Quality & Reliability; Raymond F. Martin, Personnel & Training; Janice G. Neely, Missile Intelligence; Shelby W. Smithey, Information Office; and Russell E. Speake, ADFC/DSO.

NIKE X PROJECT OFFICE

Boyd C. Wooton, Jr.

ARMY MISSILE SUPPORT COMMAND

Finance & Accounting: Elliott Agee, Frances R. Avriette, Larry C. Cooper, Nellow F. Frost, Jimmie D. Landers, Wima F. Markham, Wanda S. McGarth, Hannah B. Orr, Betty R. Sartin, Sara S. Wells and Dorothy H. Wolin.

Provost Marshal: Betty K. Amacher and William E. Pocus.

Civilian Personnel: Mary C. Hannah and Margaret D. Leopard.

Assistant for Communications: Patricia H. Haynes and Linda F. Taylor.

Others: Fannie E. Clark, Control Office; Kenneth G. Cox, Safety Division; William F. Cuddington, III, Consolidated Supply; Edward O. Johnson, Post Engineer; Mildred M. McAllister, Surgeon; and Sigrid J. Wasson, Purchasing & Contracting

ORDNANCE GUIDED MISSILE SCHOOL

John A. Carriger and May D. Pierce.

AWARDS & DECORATIONS

Army Commendation Medals have been presented to:

Lt. Col. L. J. Julian, Hawk Field Office, Andover, Mass;

Maj. Edward E. Edmiston, Director of Supply and Maintenance;

SFC WILLIAM A. Laynor, Hercules Project Managers Office;

S/Sgt. Robert Bolvin, U.S. Army Hospital;

SFC Edward L. Taber, Patrick Air Force Base, Fla.;

CWO Erwin V. McFarland, Hawk project Manager Officer;

SFC Charles C. Prevatte, Pershing Project Manager Office.



VISIT OF GENERAL SCHERMERHORN—During a recent day of briefings at the Army Missile Command, Brig. Gen. John G. Schermerhorn, right, of Washington, takes time out to meet Brig. Gen. H. P. Persons, Jr., Deputy Commanding General, Air Defense Systems. Gen. Schermerhorn is Director of Materiel Readiness of the Army Materiel Command. He was briefed on various areas of the Directorate of Supply and Maintenance while at Redstone Arsenal.

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RECEIVE CERTIFICATES AND CAPS—Last week the largest class of Red Cross Volunteers to graduate, according to the records at Redstone Arsenal, received pins, caps and certificates after completing novitiate services in classroom, hospital, clinic and Bloodmobile stations. The candlelight ceremony was held at the Redstone Arsenal Post Chapel.

Gray Ladies Receive Caps In Chapel Ceremony

Nov. 1, 1964 — First class of 16 officers convened at the Army War College, Washington, D. C.

Thirty-four Red Cross Volunteers received Gray Lady caps in a candlelight ceremony at the Redstone Arsenal Post Chapel last week (Nov. 16)—the largest class of volunteers to train at the Arsenal.

Maj. Hazel L. Evans, Chief nurse at the U. S. Army Hospital, capped

the volunteers while Mrs. Roy Hammond, Gray Lady Chairman, presented them with pins and Col. Thomas W. Cooke, Post Commander, handed out certificates.

Mrs. Hammond then administered the oath and A. G. Scarborough, Red Cross Field Director, made the presentation of the class to

the Post Hospital.

Lt. Col. J. C. Higgins, Post Surgeon, delivered an acceptance speech. Chaplain W. T. Condon gave the invocation, Chaplain D. F. Carter, Post Chaplain the benediction.

Mrs. C. R. Richards was at the organ, playing for the procession and the recessional.

A social half hour for families and friends of the volunteers followed the ceremony.

Newly accepted Gray Ladies who have completed the training classes and served at the various stations manned by the Gray Ladies in the Hospital, the Dental Clinic, and the Red Cross Bloodmobile include: Mrs. Raymond J. Astor, Mrs. Ira D. Barnes, Mrs. Charles O. Bradley, Mrs. R. B. Braid, Mrs. Dan G. Brewer, Mrs. James E. Brown, Mrs. R. H. Bull, Mrs. Carvert Bussey, Mrs. K. D. Cobb III, Mrs. R. M. Colquitt, Jr., Mrs. James Denk, Mrs. E. I. Donley, Mrs. Robert Duggan;

Mrs. Edward Ferguson, Mrs. Arthur L. Green, Miss Meccia Gregg, Mrs. R. W. Grote, Mrs. James W. Harris, Mrs. George C. Harrison, Mrs. H. H. Hewitt, Mrs. George P. Higdon, Mrs. Frank L. Howell, Mrs. S. K. Josephson, Mrs. Manfred Kaeser, Mrs. Norman J. Kasser, Mrs. William D. Kathelli, Mrs. James M. MacDonnell, Mrs. John F. Pierce, Mrs. Eugene Quinn, Mrs. Stanley C. Tyler, Mrs. Francis H. Wilson, Jr., and Mrs. George P. Noble III.

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Closely Contested Series Opens Basketball Season

Unit level basketball got off to a flying start last week with 13 quintets vying for the loop championship. And after the conclusion of three triple headers, it appears as though any one of the teams entered has a chance to take all of the marbles.

MICOM and the 4th ETC each came out on top of a pair of encounters while four other teams have yet to taste defeat in what promises to be one of the most interesting and hardest fought campaigns ever contested at the Arsenal.

Play started on Friday the 13th but the traditional hoodoo had little effect on the players of the six teams involved. Three close contests were played with C Company, the Officers and A Company taking the measure of AMSC, the 2nd ETC and the Marines, respectively.

Harvey Spencer and Ed Logan carried the brunt of the scoring load for C Company in leading their mates to a 46-30 win over AMSC. Spencer flipped in 18 points and Logan added 15. Sam Price and Mel Anderson combined for 24 points for the Support Command.

The second game turned into a nip and tuck affair with the Officers putting on a late rally to claim a 35-27 win, after trailing 21-13 at the half.

Jim Wollrab was the leading point-maker for the Officers with 13 while Al Whisenhut had one less for the 2nd ETC.

It was A Company all the way in the final game of the opening session as they raced to a 46-18 win over the Marines.

All but one of the A Company cagers broke into the scoring column with Dick Huber setting the pace with 14 points. Al Leverton led the Marine scoring with 7 points.

MICOM made their first a winning effort when they took the measure of B Company for a 33-26 decision. Joe Schenk contributed 18 points to the winning attack while Dave Rumore led B Company with 8 points.

A well balanced attack proved superior to a one-man show in the battle between two ETC fives when the 4th took the 1st 57-45.

Paul Erskine had 15, Ken Ille, 14

and Dick MacMillian 13 to set the pace for the winners while Frank McMillan was the whole show for the 1st when he poured 29 counters through the hoop.

The MPs broke a close battle with Headquarters, STC, open with a fourth quarter flurry that provided them with a 55-44 win. Bill Watkins set the pace for the MPs with 18 points, Mike Stuart added 12 and Ron Percifield collected 10. Lonnie Underwood flipped in 27 for STC.

The Headquarters crew evened their slate in Wednesday night's firing when they took an overtime decision over 1st ETC. The regulation time ended with the teams deadlocked in a 52-52 tie. In the overtime period Headquarters outscored ETC, 11 to 4, for a 63-56 victory.

Dick Kettler, Jerry Warden and Underwood led the winning attack

tively. Frank McMillan continued his hot hand with 27 points and Larry Lewallan added 17 more for the losers.

The 4th ETC five made it two in a row when they waltzed to a 60-43 win over B Company in the middle game of last Wednesday's card.

Earl Dunn took scoring honors for the 4th with 15 points while Dave Rumore was once more high for B Company with an even dozen.

MICOM forged a tie for the top spot in the night's finale when they outpointed the Marines to the tune of 47-19. Joe Schenk tossed in 16 and Dick Bell added 13 for MICOM while Al Leverton was high man in the Marine cause with 14 points.

Sept. 2, 1945 — V-J Day. Victory over Japan. Formal terms of surrender signed by Japanese envoys on board the U.S.S. Missouri anchored in Tokyo Bay, Japan.

Sept. 29, 1956 — Development contract was awarded for the first militarized (FIELDATA) computer (MOBIDIC).

Sportsmen Retain Slate Of Officers

The Redstone Arsenal Sportsmen Club elected the same officers to serve in 1965 at their meeting last week in the Teen Club building.

The officers are: SFC Eugene Pettinger, president; SP James E. Stinson, secretary; Sgt. Joseph Cormier, treasurer, Capt. Estel

Hobbs, first vice president; Lt. Frederick Pinkerton, second vice president, and Gunnery Sgt. Irving Latham, third vice president.

The organization announced that approximately 175 people competed in the shotgun turkey shoot sponsored by the club.

The next project is cleaning and restocking the ponds in the Finance and Accounting area on Post with game fish.

They also voted to meet at 7 p. m. on the second Monday of each month.

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ARMY MISSILES AT AUSA—Several missiles developed at Redstone Arsenal were on display in Washington last week at the convention of the Association of the United States Army in Washington. Two shown here are the Lance (left) and Sprint. The Sprint, being developed as an ICBM interceptor by the Nike-X Project Office, was first shown to the public at the meeting. The Missile Command was represented by people as well as missiles. Shown here discussing the meeting are, left to right: Sergeant Major Roland Martin and Capt. Carl W. Nelson of the Lance Project Office.

North American Aviation Gets Roadrunner Contract

The U. S. Army today announced the award of a contract in the amount of \$2,138,000 to North American Aviation, Inc., for industrial engineering services on the Roadrunner Target Missile System. In making the announcement, the Army Missile Command said work on the cost plus incentive fee contract will be done at the company's Columbus, Ohio, plant. Roadrunner is the Army's multi-function target missile which is

used for training missile crews and for testing intercept capabilities. The Roadrunner can simulate high performance aircraft as well as missiles.

The contract was negotiated by the Missile Command's Systems Contracts Division A of the Directorate of Procurement and Production.

Col. Richard Irvin, Jr., Commodity Manager of the Air Defense Commodity Office, directs the Roadrunner program from the Missile Command at Redstone Arsenal, Ala.

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AUSA

(Continued From Page 1)

were on the drive before the main entrance.

At a luncheon on the second day of the meeting, the Tennessee Valley Chapter received an outstanding chapter award for the best overall publicity program during 1963-64. The award was accepted by John E. Hatch, Jr. and Reavis O'Neal Jr., publicity chairman, in the presence of Secretary of the Army Stephen Ailes, Gen. Harold K. Johnson, Chief of Staff, and the commanding generals of the Continental Army Command and all six U.S.-based armies.

The Tennessee Valley Chapter also won runner-up honors in two other categories. It placed second

to the Columbus-Phenix City-Ft. Benning Chapter for the largest membership June 30. The local group has 3,503 members on that date compared to 1,200 a year before.

The local chapter took second place in the Best Overall Chapter class where top honors were copied by the Dallas, Texas, Chapter.

A daily newspaper published during the three days of the convention by the AUSA in cooperation with Ling-Temco-Vought, Inc. gave front-page play to the Redstone Arsenal's Sprint and Lance displays and carried a feature story on the OGMS training program.

The Sprint display was featured on network and Washington television news programs on the opening day of the convention.

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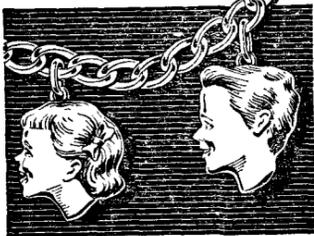


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Welch Is One-Of-A-Kind: Diver-Cyclist-MP

A small, silver deep sea diver's helmet on the breast of his Army uniform sets Cpl. Jimmie D. Welch apart from the long line of olive drab at Redstone Arsenal. He's the only motorcycle-riding ex-Navy deep sea diver at Redstone serving as an MP.

Since he left his hometown in the central Oklahoma Indian country 10 years ago, life has been interesting — and sometimes dangerous—for this 27-year-old husky soldier.

In 1955, with four months of high school to go before graduation, wanderlust took Welch to the Navy Recruiting Officer. There was boot camp at Great Lakes, Ill., a six-month hitch on the minesweeper USS Direct, a year on LST 209 and then to the fleet oiler USS Severin.

Welch applied for diver's school three times and got in on the last try. Back on the Severin after weeks of intensive training in Washington, D.C., his adventures under the sea began. He brought with him a certificate stating that he is "... qualified to disport himself among the denizens of the deep, mermaids, and other inhabitants of the realm of Neptune."

"All my time under the water I looked for one (a mermaid), but never had any luck," Welch mused.

One of the first jobs was to untangle a three-inch hawser from one of the oiler's twin screws. Anchored off Roosevelt Roads in Puerto Rico, sailors fishing over the side of the ship with a baited meat hook on the end of the line caught a shark they couldn't and didn't want to pull aboard. The shark wrapped the hawser around the screw and before the

ship could get underway, Welch had to go down and undo what had been done. "Thank goodness it (the shark) was gone when I got down there," he said.

During this time, Welch trained with one of the Navy's crack Underwater Demolition Teams. He never did run into any problems with creatures of the sea, but "played with a few sand sharks and did manage to corral a couple of octopuses."

Welch was discharged in 1959, his four-year hitch over.

Three years and eight months out of the Navy, and the Oklahoman was ready for another tour of military duty, but this time it wasn't in the sea-going service.

Welch enlisted in the Army in 1962, and went through basic again—this time at Ft. Polk, La. This was followed by a year in Korea. He finished MP school at Ft. Gordon, Ga., in April, 1964, and was assigned to the 291st Military Police Company at Redstone, where he works for Col. R. M. Allgeier, Assistant for Operations and Security of the Army Missile Support Command.

Being an MP isn't Welch's first taste of police work. In the period between his Navy and Army service, he was on the Roswell, N.M. police force; then to the small Oklahoma farming community of Erick, where he served as city marshal.

Welch was born in Anadarko, Okla., a farming town of 7,000 where road signs greeting visitors proclaim it the Indian Capitol of the Nation."

He is married to the former Betty Jean Mears, also of Anadarko, and his high school sweetheart.

Since coming to Huntsville, Welch has become an avid motor-



DIVING CORPORAL IN THE SADDLE—During many of his off-duty hours as a Military Policeman at Redstone Arsenal, Cpl. Jimmie D. Welch works with teenage motorcyclists in the Rocket Riders. Here, the Oklahoma native takes off with a group of the Huntsville youths on a ride to demonstrate how to safely handle a two-wheeler on city streets. A silver diving bell worn on his uniform puts Welch in an exclusive class of soldiers. He formerly was in the Navy and qualified as a deep sea diver.

cyclist, and rides between the Arsenal and his home in downtown Huntsville. He recently organized Rocket Riders, a group of about 50 local youths who plan to motorcycle and hold field events.

Welch said he is happy in police

work, and when he gets out of the Army next year plans to go to California and work with young people. "To make a good citizen, you've got to make a good kid," he said.

Not many soldiers wear a Navy

deep sea diver's insignia on their Army uniforms. CPL Jimmie D. Welch does. At 27 he has already had a full life. But he says, "I've just started."

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'Zero Defects' Seminar At Bethesda Is Success

The first of two Department of Defense sponsored seminars designed to encourage "Zero Defects" Programs in Industry was successfully completed the past week in Bethesda, Md. Attending were top executives of industry located throughout the country east of the Mississippi River.

A second Zero Defects Seminar is set for Dec. 8 at the U. S. Naval Training Center, San Diego, Calif., with invitations going to major industries from the Mississippi River to the West Coast.

Purpose of the seminars is to encourage industry to organize programs at their plants with an eye to motivating all workers to reduce to a minimum errors in the design, development and production of military materiel.

The two national seminars are follow-ons to three localized meetings conducted earlier. The first of these was sponsored by the Army Missile Command for missile and rocket oriented industries. The Air Force conducted a similar program for industries working on that service's programs, and the Detroit Procurement District was in charge of the third such program for the automotive industry.

Under the DOD sponsored seminars, the Office of the Secretary of Defense is joined by the Army, Navy, Air Force and Defense Supply Agency in issuing invitations to about 1000 industrial executives and Military leaders and in making presentations.

The Zero Defect seminar in Bethesda and the one to be held in San Diego, give emphasis to the need for top to bottom motivation on developing these programs in industry.

Taking part on the programs are executives of some of the nation's top industries which have zero Defect or similar programs. In addition, labor's interest in and appreciation of the program was expressed by Wise W. Stone, assistant director, Aerospace Department, of the United Automobile, Aerospace, and Agriculture Implement Workers of America.

Keynote of the Bethesda seminar was set by Gen. Frank S. Besson, Jr., Commanding General, U. S. Army Materiel Command, Washington, D. C. He pointed out that zero Defects is a program aimed at motivating "... members of the military and the industrial complex (to be) more quality conscious, dedicated to the goal of doing every job right the first time, and toward preventing defects and opposed to costly detection and rework."

Discussing the program from industry were G. T. Willey, vice president, Martin Company, Orlando, Fla.; Edward Woll, general manager, Small Aircraft Engine Dept., General Electric Co.; F. W. O'Green, president, Guidance and Control Systems Div., Litton Industries; A. L. Malcarney, executive vice president, Radio Corporation of America.

George E. Fouch, Deputy Assis-

tant Secretary of Defense (Equipment Maintenance and Readiness) emphasized the importance placed on the Zero Defects Program by the Office of the Secretary of Defense.

"... Considerations of economy as well as quality dictate the need for meticulous workmanship and proper control of engineering and manufacturing operations," he pointed out.

In motivating workers to raise standards of excellence, he said, "... we need to instill a pride in workmanship that is akin to that of the old world watchmaker or diamond cutter."

He told the industrial executives that "anything to improve your performance will not only assist the Department of Defense, but will enhance your own competi-

tive posture and position."

Vice Adm. J. M. Lyle, Director, Defense Supply Agency, and Lt. Gen. R. D. Meyer, Director for Logistics, Joint Staff, Joint Chiefs of Staff.

K. E. Joy, Chief, Quality & Management Office, U. S. Army Missile Command, is serving as executive director of the DOD Zero Defects Seminars. Moderator is M. R. Hardenburgh also of the Missile Command's Quality and Reliability Management Office.

The seminar to be held at San Diego next month will be addressed by Fouch, Gen. Meyer, Adm. Lyle, Woll and Willey. In addition, Lt. Gen. T. P. Gerrity, Deputy Chief of Staff, Systems and Logistics, Headquarters, U. S. Air Force, will make the Keynote address. Other industry leaders to participate will be J. R. Dempsey, president, Astronautics Division, General Dynamics Corp.; R. F. Hurt, president, Lockheed Propulsion Co., Lockheed Aircraft Corp.

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Sept. 27, 1944 — First Legion of Merit Medal awarded a WAAC member was presented to Lt. Col.

W. B. Boyce for outstanding services in the North African Theater of Operations.

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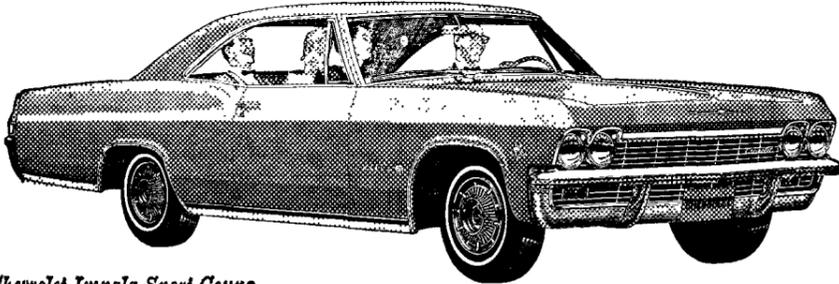
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More on the way every day! Thanks for waiting!

Your wait for one of these new 1965 Chevrolets is about over—and we want to thank you for your patience. Come see us now. When you get behind the wheel, you'll be glad you waited!



'65 Chevrolet Impala Sport Coupe

'65 Chevrolet Impala It's longer, lower, wider—with comforts that'll have many expensive cars feeling a bit envious.



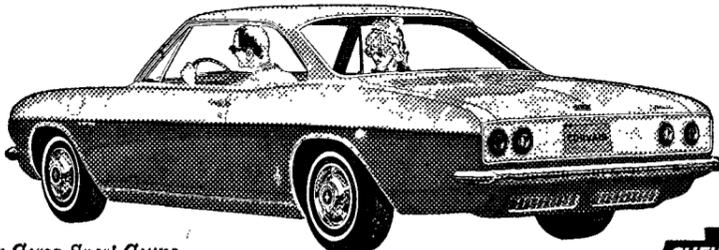
'65 Chevelle Malibu Super Sport Coupe

'65 Chevelle Malibu It's smoother, quieter—with V8's available that come on up to 350 hp strong. That's right—350.



'65 Chevy II Nova 4-Door Sedan

'65 Chevy II Nova It's the liveliest, handsomest thing that ever happened to thrift. V8's available with up to 300 hp.



New Corvair Corsa Sport Coupe



'65 Corvair Corsa It's racier, it's roomier—it's a Corvair revolution all over again. With more rear-engine power.

More to see, more to try in the cars more people buy

Buy a new Chevrolet, Chevelle, Chevy II, Corvair or Corvette now at Hill Chevrolet!

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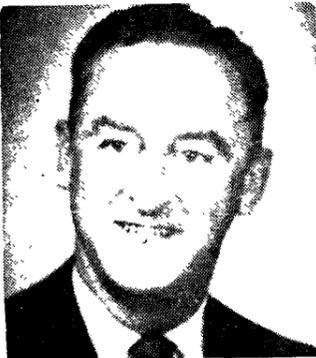
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Page 14 Redstone Rocket — November 25, 1964

1. For Rent

FOR RENT—Trailer space on Guntersville Lake 11 miles northeast Guntersville Highway 79. Call Guntersville 582-4792 or write Tanglewood Acres, Route 3, Scottsboro, Ala. for information. tfc

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

Glen Park APARTMENTS

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

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• Also All Types of Insurance

GATES

Insurance Agency

303 Terry-Hutchens Bldg.
Office Phone—534-0371
Home Phone—534-6308

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 9 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

2. Cars For Sale

FOR SALE—1962 Rambler Station Wagon excellent condition, price \$1,150.00. Call 881-7117 after 5:00 p.m.

FOR SALE—1957 Ford 2 Dr., Hardtop, Standard Transmission, Continental Kit, Two Tone Blue and White, Excellent Condition, Call 536-9830 after 5:30 p.m. 1p

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

Service men, all ranks and ages, also Civilians

W. E. DICKEY
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PHONE 539-1161

507 Terry Hutchens Bldg.
Huntsville, Alabama

Open Monday, Thursday and
Friday nights from
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WHEEL
ALIGNMENT
\$4.88

(With This Ad)
Reg. \$6.50 Value)
Fast Service - Expert Wheel
Mechanic
All Work Fully Guaranteed
U. S. TIRE SERVICE
Across From Butler High
DIAL 539-3482
Open 7 a.m. to 6 p.m.

3. Miscellaneous

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

PARTY DECORATIONS FOR RENT OR SALE—Home or office parties. "We do the decorating, you enjoy the party." See our lovely selection of Christmas decorations. Phone Juanita Money-maker, 539-2904. 1tc

BARGAIN SHOE CENTER—New shipment men and women's, first quality loafers, flats, several styles women's boots. Some fur lined. Located 4 miles west of Arab on Hwy 69 at Standard Service Station. Joppa. Open Sunday. 12-2p

FOR SALE—Stuart pecans; 1 electric range; 1 gas range; good variety nursery stock. S. S. FRANCIS, Rt. 4, Box 67, Hartselle, Ala. 4 miles east of Hartselle on Highway 36. Phone 773-7652. 12-1c

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 & Daves Beauty College, 539-2461 or come by Governors Drive across from Butler High School. tfc

OPENING FOR BEGINNERS or advanced Violin student, Private lessons in my home, a Conservatory Graduate, experienced teacher and musician. Call 852-1834 1tc

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TRUCKS AVAILABLE
MOVE YOURSELF

SPORTS CARS

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MOST POPULAR & BEST
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U. S. A.

- M.G.B. Prices start at \$2658. P.O.E.
- Austin Healey 3000 MK3
- Austin Healey Sprites
- M.G. Midgets
- M.G. 1100 Sedans

See Them At

STOCKTON
Motor Co.

511 MERIDIAN ST., NO.
PHONE 539-6587

THE PARKWAY COUNTRY CLUB wants small combo with or with out singer. Call for audition 881-1845. Jim Thompson mgr. 12-2c

BUY OLD COINS—Canadians, U. S. Coins, Proofsets, gold, complete collections. Darrell Sanders, Grand News Stand, Clinton Avenue, Phone 534-5412. tffc

PIANO REPAIRING, tuning and refinishing over 12 years experience. Parris Piano Service. 907 Meridian St., Phone 539-2906 tfc

AUTO BATTERY SALE—Nov. 24 thru Dec 24th New Factory Guaranteed to fit all model cars. \$6.95 up Also Batteries replaced and reconditioned Batteries for sale 3001 Governors Dr., just behind Auto \$ Save Phone 536-6755 12-23c

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. tffc

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. 1964 models. Open 8 a.m. to 9 p.m. daily.

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Cor. Governors Drive & Parkway
Phone 536-9761

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. tffc

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 9 p.m. daily. Phone 534-8689. tfc



One mark of a good family man is an adequate program of Life Insurance.
CALL or SEE

JESSE ANDERSON, CLU
Provident Life and
Accident Insurance Co.
PHONE 534-7651

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

4. Mobile Homes

FOR A NAME BRAND Mobile Home come to Texas Auto Sales, 1003 Meridian St., next door to Ray-Piermon Mercury. \$2995.00. Payments as low as \$42.67 monthly. tfc

5. Houses, Lots - Sale

410 ACRES located 8 miles south of Arab, 1 mile north of Brooksville. 200 acres in cultivation, 210 acres in timber. Practically new 3 bedroom dwelling, all modern conveniences, large barn, 11,000 capacity chicken house. Priced \$45,000. Owner will finance. E. G. WILLIAMSON, Real Estate Broker, Cullman, Ala., Phone 734-6294. tfc

SAVE \$2,000. on this 3 bedroom brick, den, fireplace, built-in kitchen, 2 C. tile baths, central heat and A. C. Located on large lot in Hartselle. Will consider car, boat, etc. on down payment. \$17,500.00.

403 PINEHURST ST., HARTSELLE, 3 bedrooms, den, built-in kitchen, carport and storage. Will sell equity and assume payment of \$87.50. Immediate possession. \$14,350.00.

122 PROSPECT DR., HARTSELLE, 3 bedrooms, 1 bath, large kitchen, brick and frame construction, hardwood floors and carpet. A. C., 1176' living area, carport and storage. This is a wonderful buy. Located close to Crestline School. \$12,600.00.

400 ACRE CATTLE FARM with 150 head of whiteface cattle, 7000 bales of hay, tractor, truck, jeep and all equipment to operate farm. Approx. \$20,000. will handle deal. Bal. like rent.

75 ACRE FARM 5 miles east of Hartselle. Good house and barn, \$23,900.

RIVER FRONT LOTS Easy Terms
LIST YOUR PROPERTY WITH "THE SELLING PEOPLE"

J. HOWARD PROCTOR REAL ESTATE
1309 6th Ave., SE, Decatur — Phone 353-9300
Melvin Blackwood — 773-7678, Hartselle
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Typewriters APPROX. 300

Phone 881-5510
8:30 to 5:30 tfc

SOUTHEAST \$20,700

Chicamauga Trail in Hillwood Manor. 3 bedrooms, 2 baths, heat pump, dishwasher, range, patio, garage, paneled in Mahogany with overhead storage. Bill Broglan, 837-2113. or

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Allison & Bass Realty

2006 OAKWOOD AVE. — PHONE 536-6696

- Parkwood Estates .. \$16,000 to \$18,900
 - Brookhurst .. \$14,000
 - Lincoya .. \$15,700 & \$19,100
 - Valley Park ● Windsor Manor
- V.A. or F.H.A. —

Mobile Home Lots FOR SALE

PINEHILL MOBILE ESTATES

HURRY! ONLY A FEW CHOICE LOTS LEFT!

1. Located 7 Miles From Redstone Arsenal.
2. Large ¼ Acre Wooded Lots.
3. State Approved Community Water System.
4. Septic Tanks On Each Lot.
5. School Bus Service.
6. Garbage Pickup Available.
7. Beautiful Mountain View.

BUY FOR LESS THAN RENT—

\$150.00 Down

PAYMENTS AS LOW AS \$29.29

DIRECTIONS: Go south on Hwy. 231 past Tenn. river bridge, turn right on Hwy. 36, go 1 mile and turn left on first county road and follow signs.

Call Bob Pritchett

Days — 539-7456

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American — Antiques — Import

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- 3 Bedrooms
- Electric Heat Pump
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Many More Extra Features!

PRICE \$20,950

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QUARTERLY MEETING—Representatives of the Interservice Data Exchange Program spent three days last week at Redstone Arsenal in a Quarterly meeting. With them was a representative for the Canadian Military Electronics Standard Agency, which is considering using the system. IDEP was established to ease the interchange of reliability data between government funded contractors engaged in design, development and production of aero-space systems including missiles. At the meeting (left to right) are: Robert Ives, Marshall Space Flight Center; E. T. Richards, U. S. Navy; Bobby W. Barnett, Missile Command, chairman; John Wilson, Canadian Military Electronics Standards Agency; Capt. Jerry L. Sessions, Air Force; and Martin Barbe, Aerospace Corporation Reliability Department.

WHY KEEP LOOKING? BUY THE FINEST

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UNIVERSITY MEADOWS

3 Bedrooms, 1½ Baths, Attached Garage or Carport.
100% G.I. OR MIN.
DOWN F.H.A.

\$14,550 to \$15,900

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F.H.A. as Little as \$550.00

\$16,700 to \$19,500

● THE BEST IN QUALITY

We sincerely dedicate ourselves to offer the best home for the least possible price. Our homes are regularly inspected at every construction stage by the Veterans Administration and are closely supervised to insure you, the Home-Owner, of a quality home.

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HOME PHONES

Homer Edwards—536-7838 Noble Fowler—536-1867
Jack Ivy—534-5377 Clarence Thrasher—534-2326



TO SPEAK THIS MORNING—89 graduates at the Ordnance Guided Missile School will hear Col. Demetrius Kosteletos, Hellenic Army Military Attache in Washington, D. C. He will speak to missilemen from the U.S., Greece, China, and Belgium at today's graduation ceremony. Col. Kosteletos also serves as attache to Canada.

The original design of the U. S. Savings Stamps was adapted from Daniel Chester French's Minute Man statue at Concord Bridge, "Where once the embattled farmers stood and fired the shot heard 'round the world."

Ready For You . . .



For Sale in Arab

This beautiful three-bedroom brick house is now completed and ready for occupancy. It is located on a large 180' x 185' lot near the new Arab golf course with a paved street in front of the house.

It has three large bedrooms, one and one-half baths, living room, large family room, kitchen, and utility room. The kitchen features Early American cabinets and a built-in Tappan range. There is a built-in desk and bookcase in the family room.

Bedrooms, living room and halls have select oak floors. The family room, kitchen and utility room floors are covered with Armstrong Corlon for beauty and durability.

There are plenty of large closets to solve your storage problems. Central heat and air conditioning guarantee year-round comfort.

No down payment required. Only a small deposit to cover a part of the closing costs. The appraised value of the house is \$20,000 but I will take a lot less!

No trade-in please as I am selling this house for less than my cost.

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\$15,800 TO \$17,600

MOVE IN 10 DAYS

All have 3 bedrooms, 1½ baths, attached garages, glass sliding doors to patios, built-in oven, ranges, vent hoods and vanities in baths.

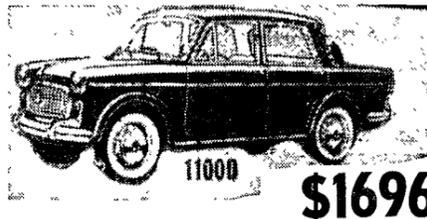
DIRECTIONS—Drive out Pulaski Pike to Mastin Lake Road and turn right to DAVIS HILLS SCHOOL. See our houses across from the school.

CALL JIM ALLEN OR RAY PRINCE

852-3601

**Carl Culverhouse
AND ASSOCIATES**

'65 FIAT



Standard Equipment on These New Fiats

● Assortment of Colors

- White Wall Tires
- Undercoating
- Windshield Wipers
- 4 Speed Floor & Column Shift
- Mirror & Courtesy Lights
- Leatherette Interior
- Bucket Seats (600D)
- Oil Filter

● MANY OTHER OUTSTANDING FEATURES

★ COMPLETE STOCK OF PARTS

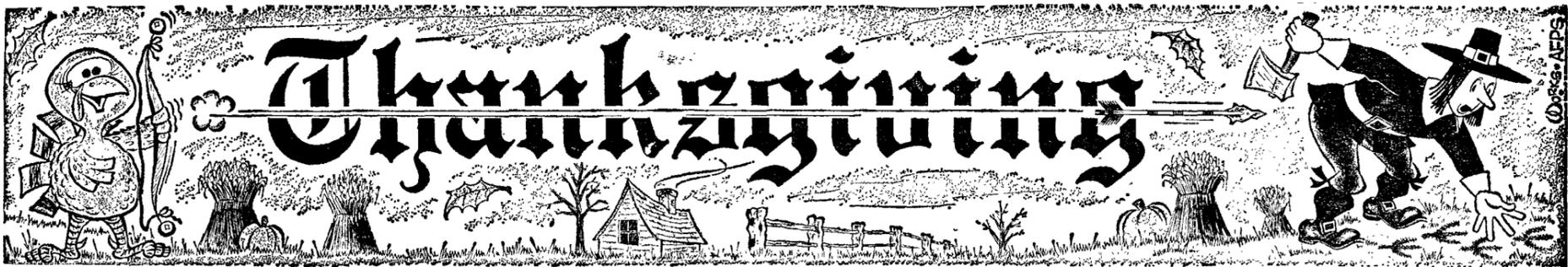
FACTORY TRAINED MECHANICS ★

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Missile Commodity Offices Realigned: Air and Land

Consolidation of individual missile system commodity offices has been announced by the U.S. Army Missile Command.

Under a management realignment, there will now be only two commodity offices—one for Air Defense systems and another for Land Combat Systems.

Col. Cyril D. Sterner has been named to head the Land Combat Commodity Office, reporting to Brig. Gen. Charles W. Eifler, Deputy Commanding General for Land Combat Systems. Col. Richard Irvin, Jr., will manage the Air Defense Commodity Office, reporting to Brig. Gen. Howard P. Persons, Jr., Deputy Commanding General for Air Defense Systems.

The former Honest John/Littlejohn Commodity Office and the Anti-tank Aircraft Armaments Commodity Office have been combined into the Land Combat Commodity Office.

Under his new assignment, Col.

Sterner's responsibilities extend to anti-tank weapons which include the ENTAC and MAW (medium assault anti-tank weapon); the M-22 and XM-3 aircraft weaponization program; and artillery weapons which include the Honest John and Littlejohn.

Lt. Col. C. C. Anderson, who managed the Honest/Littlejohn Commodity Office up to the recent change, has been transferred to the Shillelagh Project Office.

William C. Rotenberry, who has done considerable work in the aircraft weapons area, is Col. Sterner's deputy in the newly established office.

Lt. Col. John Boyes, former Chief of the System Test Division at White Sands Missile Range, N. M., has been assigned to the Land Combat Commodity Office to work in anti-tank developments.

As manager of the Air Defense Commodity Office, Col. Irvin will be responsible for directing the Multi-System Test Equipment, Target Missile and Division Air Defense System Programs.

Maj. Jerome H. Ongies will serve as Col. Irvin's deputy.

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Redstone Rocket

November 25, 1964

NEW TV MONEY

Whether it's a new TV Set... refrigerator... or other appliances you want... get the cash to buy them from

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Command Spends \$1 Million In Area During October

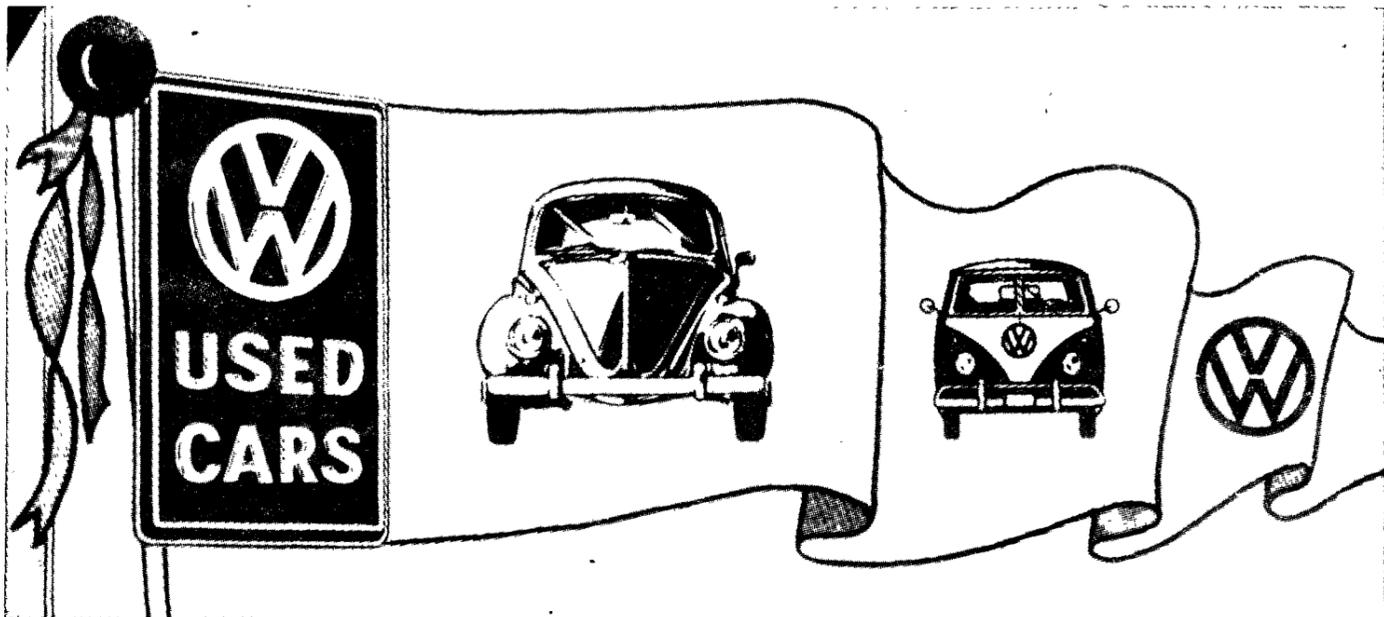
If each one of the 3.3 million people who live in Alabama shared equally in the money spent for small orders and awards by the Army Missile Command during October, each fellow could take home about \$1.

The Command spent approximately \$1 million in the Southeast and \$3 million throughout the rest of the United States and Canada for the goods and services that support the Army rocket and missile missions.

The Purchasing and Contracting Division of the Army Missile Support Command was responsible for placing more than \$800,000 of the local awards; the Missile Command's Procurement and Production Directorate processed the balance.

Huntsville and Birmingham merchants each received more than \$300,000 worth of business; other Alabama towns some \$150,000; and Georgia and Tennessee shared approximately \$155,000.

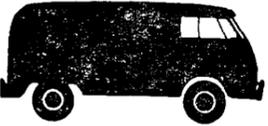
These awards do not include those for a million dollars or more which go to national concerns for the procurement of rockets, missiles and related equipment. The money buys supplies, pays the rental on office machines and covers repair items for equipment and buildings.



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- 
- 1961 COMET**
4 door, radio, heater, auto. **\$995.00**
- 1958 VOLKSWAGEN**
Station Wagon **\$695.00**
- 1961 V.W. KARMANN GHIA**
Sharp! **\$1595.00**
- 
- 1962 FALCON**
Ranchero (P.U.) one owner, low mileage. Ideal for gentleman farmer. ... **\$1195.00**
- 1960 CORVAIR**
Radio, heater, st. shift, 4-dr. **\$895.00**
- 

- 1961 VALIANT**
4 dr., 6 cyl., str. shift. Clean, ready to go. **\$895.00**
- 1962 V.W. SEDAN**
Solid red. **\$1445.00**
- 1962 V.W. SEDAN**
Clean, Solid Black. **\$1445.00**
- 1964 FALCON**
2-dr. Hardtop, radio, heater, stick shift, 6,000 actual miles. Clean as new. **\$1995.00**
- 1963 VOLKSWAGEN SEDAN**
Clean, local car. **\$1595.00**
- 1961 KARMANN GHIA**
Convertible, nice! **\$1595.00**
- 1965 CHEVROLET**
Impala cpe., 3,000 miles, power, radio, heater, air condition. All extras. **SAVE \$ \$ \$**
- 1960 KARMANN GHIA**
Convertible, sharp, local car. **\$1495.00**
- 1963 VOLKSWAGEN SEDAN**
With radio & Whitewalls. **\$1595.00**

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- 1960 SAAB**
Economy at a reasonable price. **\$395.00**
- 1961 FORD CONVERTIBLE**
Std. Shift with Overdrive. Extra nice. See this one. **\$1295.00**
- 1959 VOLKSWAGEN**
Reconditioned Station Wagon. **\$895.00**
- 
- 1955 OLDS 88**
Auto., Air Conditioned, Really clean. **\$495.00**
- 1961 V.W. CAMPER**
New Curtain & Interior. Completely Refinished. New Tires, New Engine. **\$1595.00**
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